



## **Lucia Flamigni**

lucia.flamigni@isof.cnr.it

<http://www.isof.cnr.it/?q=content/flamigni-lucia>

<b>CURRICULUM</b>	<i>p. 2</i>
<i>Dati personali</i>	<i>p. 2</i>
<i>Studi e titoli</i>	<i>p. 2</i>
<i>Esperienza Professionale</i>	<i>p. 2</i>
<i>Responsabilita ed incarichi</i>	<i>p. 2</i>
<i>Didattica e Formazione</i>	<i>p. 3</i>
<i>Seminari e Conferenze</i>	<i>p. 4</i>
<i>Collaborazioni</i>	<i>p. 6</i>
<i>Esperienze di Valutazione</i>	<i>p. 6</i>
<i>Organizzazione Congressi</i>	<i>p. 7</i>
<i>Attivita' Scientifica</i>	<i>p.7</i>
<b>ELENCO DELLE PUBBLICAZIONI</b>	<i>p. 9</i>
<b>ELENCO DELLE COMUNICAZIONI A CONGRESSI</b>	<i>p. 21</i>
<b>ELENCO DEI BREVETTI</b>	<i>p. 32</i>

## Curriculum

### **Dati personali**

- Nata a Meldola (FO) il 5.12.49. Coniugata, due figli nati nel 1987.

### **Studi e titoli**

- **Maturita' Scientifica** al Liceo F. Paolucci de' Calboli (FO) nel 1968.
- **Laurea in Chimica**, Facolta' di Scienze Universita' di Bologna, luglio 1973. 110/110 e lode.
- **Abilitazione all'insegnamento** della Chimica nelle scuole Superiori nel 1976.
- **Abilitazione all'esercizio della professione** di Chimico nel 1977.
- **Abilitazione a ricoprire il ruolo di Professore di Prima Fascia** nel settore 03/B1 "Fondamenti Delle Scienze Chimiche e Sistemi Inorganici" (Abilitazione Scientifica Nazionale MIUR 2012)

### **Esperienza Professionale**

- **Research Associate**, Manchester University nel 1974.
- **Borsista C.N.R.** presso Istituto F.R.A.E. dal 1974 al 1977 e dal 1979 al 1981.
- **Ricercatrice Universitaria**, Istituto di Chimica G. Ciamician (Bologna) A.A. 1981-82.
- **Ricercatrice C.N.R.** presso Istituto FRAE 1982-1999.
- **Research Associate**, University of Texas at Austin, nel 1983 durante un periodo di aspettativa.
- **Prima ricercatrice C.N.R.** presso Istituto F.R.A.E. di Bologna dal 1999
- **Visiting Professor** Universite L. Pasteur, Strasbourg, A.A. 2001- 2002.
- **Dirigente di Ricerca C.N.R.** presso Istituto ISOF dal 31.12.2001
- **Visiting Professor** Universite L. Pasteur, Strasbourg, A.A. 2007- 2008.

### **Responsabilita' ed Incarichi**

La candidata ha svolto attivita' di direzione e coordinamento di ricerca nonche' di gestione dei fondi correlati ai propri progetti (ordinari CNR e/o esterni) ininterrottamente dal 1995, come risulta dalle responsabilita' di progetti di seguito elencati.

- **Responsabile** dei seguenti progetti di ricerca dell'Istituto F.R.A.E:  
"Proprietà fotofisiche e fotochimiche di fotoiniziatori di polimerizzazione" 1985.  
"Fotofisica e fotochimica di specie supramolecolari" 1991-1992.  
"Processi fotoindotti in sistemi supramolecolari organici" 1995-1997;  
"Trasferimento fotoindotto di elettroni in sistemi supramolecolari" 1998-2000  
"Trasferimento fotoindotto di energia ed elettroni in sistemi supramolecolari" dal 2001
- **Responsabile** del Reparto "Dinamica degli stati eccitati di Molecole e Supermolecole" dell'Istituto F.R.A.E. dal 1993-1995 e 2001-2002.
- **Responsabile** Manutenzione e Sviluppo del Laboratorio di Tecniche Fotochimiche Risolte nel Tempo dell'Istituto F.R.A.E. dal 1991. Nell'ambito di questo incarico la candidata ha coordinato nel 1991-92 la progettazione, gli ordini, il montaggio e la messa a punto di un apparato per spettroscopia di emissione ed assorbimento con risoluzione al picosecondo, per un impegno economico complessivo di circa 700 000 000 lire (fondi CNR).
- **Responsabile** del progetto comune di Ricerca CNR/MTA (Ungheria): "Fotoreattività e processi di trasferimento di energia ed elettroni in sistemi supramolecolari." 1995-1997.
- **Responsabile** della Unita' Operativa FRAE partecipante al progetto CNRAgenzia2000- CNRC00B91D. 2001-2003.
- **Membro del Direttivo** del Gruppo Interdivisionale di Fotochimica della Societa' Chimica Italiana 1994-2000.

- **Membro eletto** del Consiglio Scientifico dell'Istituto F.R.A.E. dal 1997 al 2001.
- **Responsabile** di unita' operativa in EUCost Project D31/003/004: "Metal mediated nanoscopic assemblies of chromophores for molecular electronics, light energy conversion and molecular recognition" (2004-2009)"
- **Responsabile** Modulo Attivita' PM-P04.004.002 (Dipartimento Progettazione Molecolare, Progetto 4: "Progettazione di strutture molecolari - supramolecolari - macromolecolari e di sistemi nanoorganizzati con proprietà elettriche, fotoniche o magnetiche ", Commessa: "Componenti molecolari, supramolecolari o macromolecolari con proprietà fotoniche ed optoelettroniche) 2004-2006.
- **Responsabile** Commessa MACOL (PM-P04.010.001) dal 2007: <https://www.isof.cnr.it/?q=content/macol>
- **Membro** del gruppo di lavoro "Sostenibilità ed Energia" nominato dal Direttore del Dipartimento Progettazione Molecolare nel marzo 2008. In questo ambito ha curato il capitolo "Conversione dell'energia Solare" della Research Agenda ([http://www.dpm.cnr.it/research\\_agenda.pdf](http://www.dpm.cnr.it/research_agenda.pdf)) del dipartimento Progettazione Molecolare.
- **Membro** della delegazione CNR di Chimici Inorganici in visita in Corea (Pohang University of Science and Technology) nell'ambito dell'accordo KOSER/CNR 26 Settembre-1 Ottobre 2009
- **Ternata nel concorso alla Direzione** dell'Istituto ISOF-CNR, ha presentato il documento "Linee strategiche e criteri di sviluppo per le attività dell'Istituto per la Sintesi Organica e la Fotoreattività (ISOF) al Consiglio di Amministrazione CNR il 12.05.2010.
- **Responsabile** unita' ISOF partecipante al progetto: FP7- PEOPLE- Marie Curie ITN nr. 264362 TOPBIO: Two Photon Absorbers for Biomedical Applications (2010-2014).

### **Didattica e Formazione**

- **Esercitazioni** per il corso di Chimica Generale ed Inorganica, Facolta' di Farmacia della Universita' di Bologna A.A. 1977-78.
- **Lezioni** pratiche nell'ambito dell'attivita' didattica come ricercatrice Universitaria presso l'insegnamento di Fotochimica (Prof. V. Balzani) , corso di laurea in Chimica, Facolta' di Scienze Universita' di Bologna A.A. 1981-1982.
- **Lezioni** per il Corso Nazionale di Introduzione alla Fotochimica, Istituto G. Ciamician nel novembre 1986.
- Organizzazione dello Stage Sperimentale di Fotochimica: "Tecniche Pulsate" tenuto presso Istituto F.R.A.E., ottobre 1989.
- **Responsabile** della ricerca del Dr. N. Armaroli, titolare di borsa di studio CNR presso Istituto FRAE con argomento: " Studio fotofisico di specie supramolecolari mediante tecniche stazionarie e risolte nel tempo".1995-96.
- **Correlatrice delle Tesi di Laurea** in Chimica: " Caratterizzazione Fotofisica e Fotochimica di nuovi catenandi e catenati" svolta da B. Ventura, Relatore Prof. V. Balzani, Università degli Studi di Bologna. A.A. 1996-97.
- **Lezioni** per il corso Nazionale di Introduzione alla Fotochimica, Istituto G. Ciamician, Settembre 1998.
- **Correlatrice della Tesi di Laurea** in Chimica : " Caratterizzazione Fotofisica e Fotochimica di strutture supramolecolari contenenti porfirine" svolta da G.M. Rossetti, Relatore Prof. Vincenzo Balzani, Università degli Studi di Bologna. A.A.1999-2000.
- **Correlatrice Tesi di Dottorato** in Scienze Chimiche XVI Ciclo (2000-2003) Università di Bologna: " Processi Fotoindotti in sistemi sintetici supramolecolari in grado di riprodurre le funzioni del processo fotosintetico naturale" svolta da Dr.ssa A. M. Talarico con borsa di Studio CNR per Dottorandi. Referente Universitario Prof. Vincenzo Balzani, Università degli Studi di Bologna. Discussione finale 1 Giugno 2004.
- **Responsabile** della ricerca Dr. Barbara Ventura, assegno di ricerca CNR-ISOF "Caratterizzazione fotofisica di sistemi supramolecolari fotoattivi per la conversione di energia ed il riconoscimento molecolare" su fondi CNRAgenzia2000- CNRC00B91D. 2002.
- **Visiting Professor** Universite L. Pasteur, Strasbourg, A.A. 2001- 2002 (1 mese).

- **Responsabile** della ricerca Dr. Barbara Ventura, titolare di un contratto d'opera triennale nell'ambito della ricerca " Trasferimento di elettroni ed energia in macchine nanometriche azionate dalla luce" (progetto FIRB RBNE019H9K: Manipolazione molecolare per macchine nanometriche) dal 2003 al 2007.
- **Visiting Professor** Universite L. Pasteur, Strasbourg, A.A. 2007- 2008 (1 mese).
- **Reviewer and Opponent** per la tesi di Dottorato di Paola Vivo: "Multilayered Thin Films for Organic Photovoltaics" , Tampere University of Technology October –November 2010.
- **Correlatrice Tesi di Dottorato** in Scienze Chimiche XXVI Ciclo (2011-2014) Università di Bologna: "Novel two photon absorbers: evaluation of photophysical properties in view of biomedical applications" svolta da Adina Iuliana Ciuciu con fondi FP7-PEOPLE-Marie Curie ITN nr. 264362 TOPBIO. Referente Universitario Prof. Paola Ceroni.

### **Seminari e Conferenze**

- **Institut fur Theoretische Chemie und Strahlenchemie, University of Vienna**, 1.12.1975. Lecture: "Mechanism of production of excited states by electron irradiation in liquid saturated hydrocarbons"
- **Congresso dei Gruppi Interdivisionali della Societa' Chimica Italiana** 10. 10. 1991. Invited lecture "Laser flash photolysis investigations in xanthenes dyes" Chianciano Terme (Italy)
- **Istituto Chimico G. Ciamician, Università di Bologna**, 9.3.1993. Seminar
- **Institut fur organische Chemie und Biochemie**, Università di Bonn, 22.3.1994. Seminar
- **Institute of Inorganic Chemistry, University of Fribourg**, 19.5.1994. Seminar
- **Istituto Chimico G. Ciamician, Università di Bologna**, 4.12.1995. Lecture "Processi fotoindotti in diadi contenenti porfirine"
- **Il Convegno Nazionale Congiunto di Fotobiologia e Fotochimica**. Maratea 2-4.6.1996, Conferenza Plenaria:" Processi di trasferimento di energia ed elettroni in diadi contenenti una porfirina ed un complesso terpiridinico di Rutenio"
- **Laboratoire de Chimie Organo-Minerale, Universite L. Pasteur, Strasbourg**. 30.9.1996. Seminar
- **Institut fur Organische Chemie und Biochemie, Università di Bonn**, 24.2.1997. Seminar
- **1st GAIPHOS (Joint Meeting of the German, Austrian, Italian Sections of EPA)** Badgastein, Austria 3.3 1998. Invited lecture: " Photoinduced processes in supramolecular structures containing porphyrins and polypyridine-Ru(II) complexes"
- **XXXIII International Conference on Coordination Chemistry**, Firenze 4.9.1998. Invited Lecture: " Photoinduced processes in multicomponent arrays containing transition metal complexes"
- **Laboratoire de Chimie Organo-Minerale, Universite L.Pasteur, Strasbourg**. 24.09.1999.Lecture: " Photoinduced Charge Separation in a Triad containing an Ir(III)-Bis-terpyridine Complex and Porphyrins as Electron Donor and Electron acceptor Groups".
- **Department of Chemistry, Trinity College, University of Dublin** 1.10.1999. 2nd TMR Workshop. Lecture: "Spectroscopic techniques in the study of photoinduced charge separation in multicomponent systems"
- **School of Chemistry, University of Bristol**, COST Working group D11/0004/98. 25.5.2000. Lecture: "Photoinduced processes in bis-porphyrin systems" Seminar
- **XVIII IUPAC Symposium on Photochemistry**, Dresden 24.7.2000. Invited Lecture:" Charge separation and energy transfer in multicomponent porphyrinic arrays"
- **Area della Ricerca di Bologna**, TMR Network Meeting, 22.9.2001. Lecture: " Photoinduced electron transfer in multi-component porphyrin based arrays".
- **5° Congresso Nazionale di Chimica Supramolecolare**, 2.10. 2001. Invited lecture "Multi-Component Porphyrinic Arrays for Photoinduced Charge Separation".
- **Institut de Chimie, Universite L.Pasteur, Strasbourg**. 12.06.02. Lecture: "Photoinduced processes in multicomponent porphyrinic arrays".
- **Laboratoire de Chimie Organo-Minerale, Universite L.Pasteur, Strasbourg**. 20.06.02. Lecture: "A practical approach to the design and study of photo-active multicomponent systems"

- **Dipartimento di Scienze Chimiche, Universita' di Trieste**, 22.01.03. Lecture: "Processi Fotoindotti in Sistemi Multiporfirinici: Raccolta di Energia Luminosa e Conversione in Potenziale Chimico".
- **203 Electrochemical Society Meeting, Paris France**, April 27-May 2, 2003. Invited lecture: "Photoinduced Energy Transfer and Charge Separation in Porphyrin-Based Multi-Component Arrays".
- **XV Winter Meeting of the Inter-American Photochemical Society, Tempe, Arizona** 1-4 January 2004. Invited lecture: "Energy and Electron Transfer in Non-Covalently Linked, Porphyrin-Based, Multi-Component Arrays"
- **Third International Conference on Porphyrins and Phtalocyanines, New Orleans, Louisiana** 11-16 July 2004, Invited Lecture: "Photoinduced Electron Transfer in Interlocked Structures Containing Porphyrins".
- **1<sup>st</sup> Meeting of the Working Group Cost Action D31/0003/04. 20-22 May 2005. Grado (Italy)**. Plenary lecture "Photoinduced Processes in Porphyrin-Based Multi-Component Arrays "
- **Molecular Photochemistry and Photophysics- FNRS Contact Group. 23 September 2005. Bruxelles**. Plenary Lecture "Photoinduced Charge Separation in Multi-Component Molecular Arrays"
- **Institut Catala de Investigatio Quimica (ICIQ). Tarragona. Spain. 25. 11. 2005**. Lecture : "Light energy conversion by multi-component molecular arrays"
- **Istituto ISOF- CNR Bologna** 19.02.07. Lecture: "Photoinduced Charge Separation in Multi-Component Molecular Arrays"
- **Working Group meeting D31-0006-04, Bologna** 1 June 2007. Invited lecture "Light Energy Conversion by Multi-Component Molecular Arrays"
- **2<sup>nd</sup> Meeting of the Working Group Cost Action D31/0003/04. Oxford (GB)**. 16-17 November 2007. Lecture "Aromatic Bis-Imides as Components of Arrays for Photoinduced Charge Separation and Light Energy Collection "
- **Laboratoire de Chimie Organo-Minérale, Institut le Bel, Universite L. Pasteur Strasbourg**. 3 April 2008. lecture: "Design of New Photoactive Architectures"
- **Institute de Chimie, Universite L. Pasteur Starsbourg**, 10 april 2008. Lecture: "Light Energy Conversion: the Molecular Approach".
- **XXII IUPAC Symposium on Photochemistry**, Gothenburg, July 29 2008. "Iridium Terpyridine Complexes as Functional Assembling Units in Arrays for Charge Separation"
- **3<sup>rd</sup> Meeting of the Working Group Cost Action D31/0003/04. Tarragona (SP)**. 5-7 November 2008. "Corrole-based photo-active arrays".
- **The 5th Korea-Italy Joint Symposium on Inorganic Chemistry, 27-30 September 2009, Pohang, Korea**. "Iridium Terpyridine Complexes as Functional Assembling Units in Arrays for Charge Separation" Invited Lecture
- **Chimie Supramoléculaire. Journées Scientifiques en l'honneur de Jean-Pierre Sauvage. Strasbourg, France**. 26-27 November 2009. "Terpyridine complexes as functional assembling units in arrays for the conversion of light energy: the story of a collaboration". Invited Lecture
- **FISPHOTON 2009, 2nd France-Italy Symposium on Photoscience. Marseille, France**. 7-10 December 2009. "Multi component arrays for the conversion of light energy" Plenary Lecture
- **Institute of Physical Chemistry of the Polish Academy of Sciences, Warsaw, Poland**. June 2, 2010. Lecture "Supramolecular strategies for the conversion of light energy"
- **XXIII IUPAC Symposium on Photochemistry. July 12, 2010, Ferrara, Italy**. "Photoinduced processes in non-covalent multi-porphyrin arrays"
- **Faculty of Science and Environmental Energy, Tampere University of Technology, Tampere, Finland**. 28 October 2010, Lecture "Multi-component arrays for the collection and the conversion of light energy "
- **ICTPPO 2011 (International Conference on Tetrapyrrole photoreceptors of Photosynthetic Organisms) Berlin**, 24-28 July 2011. "Photoinduced energy and electron transfer in non-covalent multiporphyrin artificial arrays". Invited Keynote Lecture

- **EUROCORES SOLARFUELTANDEM Progress Meeting, Bologna.** 26-27 April 2012, . “Chemical strategies for the conversion of light energy”. Plenary lecture
- **XXV IUPAC Symposium On Photochemistry, Bordeaux, France.** 13-18 July 2014 ” Functional arrays for light energy capture and charge separation”. Plenary lecture
- **International Symposium: Two-photon absorption for biomedical applications.** Bordeaux, France, 7-10 October 2014. “The contribution of linear spectroscopy and photophysics to the characterization of 2PA absorbers for biomedical applications “. Invited lecture

### ***Collaborazioni***

- Enzo Alessio, Univ Trieste (Italy)
- Pau Ballester, ICIQ, Tarragona (Spain)
- Vincenzo Balzani, Univ of Bologna (Italy)
- Mireille Blachard-Desce, Univ of Bordeaux (France)
- Martin Bröring, Philipps-Universität Marburg (Germany)
- Jean-Paul Collin, Univ L. Pasteur, Strasbourg (France)
- Edwin C. Constable, Univ Basel (Switzerland)
- Luisa De Cola, Münster Univ (Germany)
- Chantal Daniel, Univ L. Pasteur, Strasbourg (France)
- Daniel T. Gryko, Academy of Sciences, Warsaw (Poland)
- Maxwell J. Gunter, Univ New England, Armidale (Australia)
- Valérie Heitz, Univ L. Pasteur, Strasbourg (France)
- Martin R. Johnston, Flinders Univ (Australia)
- Heinz Langhals, LMU Univ of Munich (Germany)
- David L. Officer, McDiarmid Institute and Massey Univ (New Zealand)
- Fernando Pina, Univ NOVA de Lisboa (Portugal)
- Jean-Pierre Sauvage, Univ L. Pasteur, Strasbourg (France)
- Nathalie Solladié, Univ Toulouse (France)
- Frank Würthner, Univ Würzburg (Germany)

### ***Esperienze di Valutazione***

- Valutazione di progetti di ricerca per le seguenti Istituzioni:  
International Science Foundation . Washington. (Finanziamenti riservati ai paesi della ex Unione Sovietica e degli Stati Baltici).

National Science Foundation. USA

The Petroleum Research Fund. American Chemical Society

- Selezione di personale per la seguente istituzione:

Fonds National de la Recherche Scientifique del Belgio.

- E' stata componente di diverse commissioni per la valutazione di personale in alta formazione (assegni di ricerca, co.co.co) o con contratto a tempo determinato presso l'Istituto FRAE e l'Istituto ISOF.
- Valutazione di articoli (Referee) per conto delle seguenti riviste:

Angewandte Chemie

ChemPhysChem

Chemistry European Journal

Chemistry Asian Journal

European Journal of Organic Chemistry

European Journal of Inorganic Chemistry

Advanced Materials

Journal of the American Chemical Society  
Journal of Physical Chemistry (anteriormente 1996)  
Journal of Physical Chemistry A  
Journal of Physical Chemistry B  
Journal of Physical Chemistry C  
Inorganic Chemistry  
Chemical Society Reviews  
Chemical Communications  
New Journal of Chemistry  
Photochemical and Photobiological Sciences  
Physical Chemistry Chemical Physics  
Coordination Chemistry Reviews  
Journal of Photochemistry  
Photochemistry and Photobiology  
Journal of Photochemistry and Photobiology  
Journal of Porphyrins and Phtalocyanins  
Polyhedron  
Journal of Inclusion Phenomena  
Solar Energy materials and Solar Cells  
Synthetic Metals

### **Organizzazione Congressi**

- Summer course on " Mechanism of action of radiosensitizers of hypoxic cells". Cesenatico 1978, Segreteria Scientifica.
- XII IUPAC Symposium on Photochemistry, Bologna 1988, collaborazione al Comitato Organizzatore locale.
- Workshop nazionale " Stati eccitati, intermedi reattivi e metodologie di studio". Bologna 1988, Comitato Organizzatore.
- Mediterranean Meeting on Photochemistry, Catania 1991, Comitato Organizzatore.
- Il Convegno Nazionale Congiunto di Fotobiologia e Fotochimica, Maratea 1996, Comitato Scientifico.
- 13<sup>th</sup> International Symposium on Photochemistry and Photophysics of Coordination Compounds. Lipari 1999, Comitato Organizzatore.
- XIX IUPAC Symposium on Photochemistry. Budapest July 2002. International Scientific Committee.

### **Attività Scientifica**

Lucia Flamigni ha prodotto **301 pubblicazioni**, di cui 168 su libri o riviste referizzati e 133 comunicazioni a congressi, nonché **3 brevetti** di cui due estesi ai paesi europei ed agli U.S.A ed uno depositato in Germania. Gli elenchi dettagliati sono riportati di seguito.

L'attività scientifica è stata svolta sia individualmente che come coordinatrice di un gruppo di ricerca e nell'ambito di collaborazioni nazionali ed internazionali nelle quali la scrivente ha apportato un contributo autonomo, originale e significativo. L'impatto dei risultati scientifici ottenuti può essere valutato dal numero di citazioni nella letteratura scientifica internazionale (più di **8500** citazioni, indice **h = 48** da ISI WEB of Knowledge del 27.02.2015) e dal significativo numero di inviti a presentare il proprio lavoro in importanti conferenze internazionali e/o presso prestigiose istituzioni estere (elenco allegato). Nell'anno accademico 2001-2002 e 2007-2008 è stata nominata "Visiting Professor" presso l'Università Louis Pasteur di Strasburgo dove ha tenuto seminari e lezioni. La scrivente ha inoltre ricevuto numerosi inviti da prestigiosi giornali a contribuire con "Reviews" o "Accounts" illustranti la propria attività scientifica: nel solo periodo 2001-

2014 le pubblicazioni contraddistinte con i numeri 93, 94, 99, 105, 107, 118, 125, 127, 130, 136, 140, 141, 161 nell'elenco allegato.

L'attività scientifica ha riguardato la comprensione dei processi indotti da radiazioni UV-vis-NIR su sistemi molecolari, collettivamente organizzati e supramolecolari, allo scopo di chiarire i meccanismi primari che ne determinano il comportamento. La finalità delle ricerche svolte è quella di esercitare un controllo sui fattori che governano la fotoreattività per aumentare le prestazioni dei sistemi fotoattivi, siano esse singole molecole o strutture molecolari a più componenti, nonché di individuare, attraverso una progettazione mirata, sistemi fotoreattivi con nuove proprietà e prestazioni. Dopo un consolidamento ed approfondimento delle competenze e delle metodologie sperimentali nel settore fotochimico, fotofisico e di processi radicalici, avvenuto all'inizio della carriera, l'attività scientifica della candidata si è rivolta all'emergente settore della fotochimica di sistemi molecolari complessi e, passando attraverso sistemi microeterogenei (polimeri, micelle, complessi di inclusione) si è consolidata negli ultimi decenni nello studio e progettazione di sistemi molecolari a più componenti in grado di compiere funzioni utili e programmate sotto lo stimolo della luce. Il principale interesse è stato per il settore della raccolta e trasferimento della energia luminosa e successiva conversione in energia chimica (Fotosintesi Artificiale). La candidata ha sviluppato consolidate collaborazioni con prestigiosi gruppi internazionali di chimici sintetici (vedi elenco collaborazioni) in grado di preparare architetture molecolari complesse. Nell'ambito della attività congiunta sono stati progettati, realizzati e caratterizzati materiali funzionali fotoattivi di rilevanza per la conversione dell'energia luminosa e nel settore dei materiali luminescenti.

## ***Pubblicazioni***

- 168. Adina I. Ciuciu, Karolina A. Korzycka, Wilfred J. M. Lewis, Philip M. Bennett, Harry L. Anderson and Lucia Flamigni**  
Model dyads for 2PA uncaging of a protecting group *via* photoinduced electron transfer  
**Chem. Phys. Phys. Chem.** 2015, **17**, 6554-6564 DOI: 10.1039/c4cp05812g
- 167. Julie Schmitt, Valérie Heitz, Angélique Sour, Frédéric Bolze, Hussein Ftouni, Jean-Francois Nicoud, Lucia Flamigni, Barbara Ventura**  
Diketopyrrolopyrrole-porphyrin conjugates with high two-photon absorption and singlet oxygen generation for two-photon photodynamic therapy  
**Angew. Chem. Int. Ed.** 2015, **64**, 169-173 DOI: 10.1002/anie.201407537
- 166. Stéphanie Durot, Lucia Flamigni, Julien Taesch, Tung T. Dang, Valérie Heitz, Barbara Ventura**  
Synthesis and solution studies of silver(I)-assembled porphyrin coordination cages  
**Chem. Eur. J.**, 2014, **20**, 9979-9990 DOI: 10.1002/chem.201402047
- 165. Rashid Nazir, Paulius Danilevicius, Adina I. Ciuciu, Maria Chatzinikolaidou, David Gray, Lucia Flamigni, Maria Farsari, Daniel T. Gryko**  
 $\pi$ -Expanded keto-coumarins as efficient, biocompatible initiators for two-photon induced polymerization  
**Chem. Mater.**, 2014, **26**, 3175-3184 DOI: 10.1021/cm500612w
- 164. Christophe Gourlaouen, Chantal Daniel, Fabien Durola, Julien Frey, Valérie Heitz, Jean-Pierre Sauvage, Barbara Ventura, Lucia Flamigni**  
"NIR Dual Luminescence from an Extended Porphyrin. Spectroscopy, Photophysics and Theory"  
**J. Phys. Chem. A**, 2014, **118**, 2016-2018 DOI 10.1021/jp5033383
- 163. Adina I. Ciuciu, Dikhi Firmansyah, Vincent Hugues, Mireille Blanchard-Desce, Daniel T. Gryko, Lucia Flamigni**  
Non-classical donor-acceptor-donor chromophores. A strategy for high two-photon brightness  
**J Mat. Chem. C**, 2014, **2** (23), 4552 – 4565 DOI:10.1039/C4TC00234B
- 162. Gemma Aragay, Barbara Ventura, Arcadio Guerra, Inmaculada Pintre, Claudio Chiorboli, Rebeca García-Fandiño, Lucia Flamigni, Juan R. Granja, and Pablo Ballester**  
Self-sorting of Cyclic Peptide Homodimers into a Heterodimeric Assembly Featuring an Efficient Photoinduced Intramolecular Electron-transfer Process  
**Chem. Eur. J.** 2014, **20**, 3427-3438 DOI: 10.1002/chem.201304200
- 161. Maryline Beyler, Lucia Flamigni, Valérie Heitz, Jean-Pierre Sauvage, Barbara Ventura**  
Coordination chemistry-assembled multicomponent systems built from a gable-like bis-porphyrin: synthesis and photophysical properties  
**Photochem. Photobiol.** 2014, **90**, 275-286 (Invited Review for special issue) DOI: 10.1111/php.12177
- 160. Lucia Flamigni, Alberto Zanelli, Heinz Langhals, and Bernd Böck**  
Photoinduced processes in a dyad made of a linear and an angular perylene bisimide  
**Photochem. Photobiol. Sci.** 2013, **12**, 2137-2145.
- 159. Adina I. Ciuciu, Lucia Flamigni, Kamil Skonieczny, Daniel T. Gryko**  
Blue-green emitting sulphonamido-imidazole derivatives. ESIP based excited state dynamics  
**Phys. Chem. Chem. Phys.**, 2013, **5**, 16907-16916 DOI:10.1039/C3CP52291A
- 158. Dikhi Firmansyah, Adina I. Ciuciu, Vincent Hugues, Mireille Blanchard-Desce, Lucia Flamigni, Daniel T. Gryko**  
Bright, color-tunable fluorescent dyes based on imidazo[1,2-a]pyridines capable of two-photon absorption  
**Chem. Asian J.** 2013, **8**, 1279-1294 DOI: 10.1002/asia. 201300058

- 157. Adina I. Ciuciu, Lucia Flamigni, Roman Voloshchuk and Daniel T. Gryko**  
Light Energy Collection in a Porphyrin-Imide-Corrole Ensemble  
**Chem. Asian J.** 2013, **8**, 1004-1014 DOI: 10.1002/asia.201300014
- 156. Adina I. Ciuciu, Kamil Skonieczny, Dominik Koszelewski, Daniel T. Gryko, Lucia Flamigni**  
Dynamics of Intramolecular Excited State Proton Transfer in Emission Tunable, Highly Luminescent Imidazole Derivatives  
**J Phys. Chem. C**, 2013, **117**, 791-803 doi.org/10.1021/jp3096538
- 155. Roman Voloshchuk, Daniel T. Gryko, Maciej Chotkowski, Adina I. Ciuciu, Lucia Flamigni**  
Photoinduced electron transfer in an amine-corrole-perylene bisimide assembly: charge separation over terminal components favoured by solvent polarity  
**Chem. Eur. J.** 2012, **18**, 14845-14859 DOI: 10.1002/chem.201200744
- 154. Kamil Skonieczny, Adina I. Ciuciu, Eva Nichols, Vincent Hugues, Mireille Blanchard-Desce, Lucia Flamigni and Daniel T. Gryko**  
Bright, emission tunable fluorescent dyes based on imidazole and  $\pi$ -expanded imidazole  
**J. Mat. Chem.** 2012, **22**, 20649 – 20664 DOI:10.1039/c2jm33891b
- 153. Barbara Ventura, Lucia Flamigni, Jean-Paul Collin, Fabien Durola, Valérie Heitz, Felipe Reviriego, Jean-Pierre Sauvage and Yann Trolez**  
NIR emission of cyclic [4]rotaxanes containing  $\pi$ -extended porphyrin chromophores  
**Phys. Chem. Chem. Phys.**, 2012, **14**, 10589 – 10594 DOI:10.1039/C2CP41381G
- 152. Barbara Ventura, Heinz Langhals, Bernd Böck, Lucia Flamigni**  
Phosphorescent perylene imides  
**Chem. Commun.**, 2012, **48**, 4226-4228. DOI:10.1039/c2cc30948c.
- 151. Lucia Flamigni, Adina I. Ciuciu, Heinz Langhals, Bernd Böck, Daniel T. Gryko**  
Improving the photoinduced charge separation parameters in corrole/peryene carboximide dyads by tuning the redox and spectroscopic properties of the components  
**Chem. Asian J.** 2012, **7**, 582-592. DOI: 10.1002/Asia.201100818
- 150. Lucia Flamigni, Alberto Zanelli, Heinz Langhals, Bernd Böck**  
Photophysical and Redox Properties of Perylene Bis- and Tris- Dicarboximide Fluorophores with Triplet State Formation: Transient Absorption and Singlet Oxygen Sensitization.  
**J. Phys. Chem. A** 2012, **116**, 1503-1509. DOI: 10.1021/jp210132w
- 149. Barbara Ventura, Fabien Durola, Julien Frey, Valérie Heitz, Jean-Pierre Sauvage and Lucia Flamigni**  
Near-infrared dual luminescence from an extended zinc porphyrin  
**Chem. Commun.**, 2012, **48**, 1021 – 1023 DOI: 10.1039/C1CC16739A
- 148. Laura P. Hernández-Eguía, Eduardo C. Escudero-Adán, Inmaculada C. Pintre, Barbara Ventura, Lucia Flamigni and Pablo Ballester**  
Supramolecular inclusion complexes of two cyclic Zn-bisporphyrins with C<sub>60</sub> and C<sub>70</sub>: structural, thermodynamic and photophysical characterization  
**Chem. Eur. J.**, 2011, **17**, 14564-14577
- 147. Lucia Flamigni, Barbara Ventura, Andrea Barbieri, Heinz Langhals, Fritz Wetzels, Kerstin Fuchs and Andreas Walter**  
On-Off Switching of the Perylene Tetracarboxylic Bisimide Luminescence via Substitution at the N Position by Electron Rich Mono-, Di- and Tri-methoxybenzenes  
**Chem. Eur. J.**, 2010, **16**, 13406-13416
- 146. Barbara Ventura, Lucia Flamigni, Maryline Beyler, Valérie Heitz, Jean-Pierre Sauvage**  
Unusual Photoinduced Electron Transfer from a Zinc Porphyrin to a Tetrapyrrolyl Free-Base Porphyrin in a Non Covalent Multi-Porphyrin Array  
**Chem. Eur. J.**, 2010, **16**, 8748-8756.

- 145. Lucia Flamigni, Dagmara Wyrostek, Roman Voloshchuk, and Daniel T. Gryko**  
Solvent polarity effect on intramolecular electron transfer in a corrole-naphthalene bisimide dyad  
**Phys. Chem. Chem. Phys.**, 2010, 12, 474-483.
- 144. Mariusz Tasiior, Daniel T. Gryko, Dominika Pielacińska, Alberto Zanelli and Lucia Flamigni**  
Trans-A<sub>2</sub>B-corroles bearing coumarin moiety – from synthesis to photophysics  
**Chem. Asian J.** 2010, 5, 130-140.
- 143. Heinz Langhals, Andreas Obermeier, Yvonne Floredo, Alberto Zanelli and Lucia Flamigni**  
Light-Driven Charge Separation in isoxazolidines- perylene bisimide dyads  
**Chem. Eur. J.** 2009, 15, 12733-12744
- 142. Maryline Beyler, Valérie Heitz, Jean-Pierre Sauvage, Barbara Ventura, Lucia Flamigni and Kari Rissanen**  
A three-component non-covalent assembly consisting of a central tetrakis-4-pyridyl porphyrin and two lateral gable-like bis-Zn porphyrins.  
**Inorg. Chem.**, 2009, 48, 8263-8270. DOI: 10.1021/ic900887q
- 141. Lucia Flamigni and Daniel T. Gryko**  
Photoactive corrole-based arrays  
**Chem. Soc. Rev.**, 2009, 38, 1635-1646.
- 140. Ana I. Oliva, Barbara Ventura, Frank Würthner, Amaya Camara-Campos, Christopher A. Hunter, Pablo Ballester, and Lucia Flamigni**  
Self-assembly of double decker cages induced by coordination of perylene bisimide with a trimeric Zn porphyrin: study of the electron transfer dynamics between the two photoactive components  
**Dalton Trans.**, 2009, 4023 - 4037.
- 139. Barbara Ventura, Francesco Barigelletti, Fabio Lodato, David L. Officer, and Lucia Flamigni**  
Energy Transfer Processes in Electronically Coupled Porphyrin Hetero-Dyads Connected at the  $\beta$  Position  
**Phys. Chem. Chem. Phys.** 2009, 11, 2166-2176.
- 138. Barbara Ventura, Giancarlo Marconi, Martin Bröring, Robin Krüger, Lucia Flamigni**  
Bis(BF<sub>2</sub>)-2,2'-bidipyrrins, a class of BODIPY dyes with new spectroscopic and photophysical properties  
**New. J. Chem.** 2009, 33, 428-438.
- 137. Mariusz Tasiior, Daniel T. Gryko, Jing Shen, Karl M. Kadish, Thomas Becherer, Heinz Langhals, Barbara Ventura, Lucia Flamigni**  
Energy- and electron-transfer processes in corrole-perylenebisimide-triphenylamine array  
**J. Phys. Chem. C**, 2008, 112, 19699-19709.
- 136. Lucia Flamigni, Jean-Paul Collin, Jean-Pierre Sauvage**  
Iridium terpyridine complexes as functional assembling units in arrays for the conversion of light energy  
**Accounts Chem. Res.** 2008, 41, 857-871.
- 135. Lucia Flamigni, Barbara Ventura, Ana Oliva, and Pablo Ballester**  
Energy Migration in a Self-Assembled Nonameric Porphyrinic Molecular Box  
**Chem. Eur. J.** 2008, 14, 4214-4244
- 134. Martin Bröring, Robin Krüger, Stefan Link, Christian Kleeberg, Silke Köhler, Xiulian Xie, Barbara Ventura, and Lucia Flamigni**  
Bis(BF<sub>2</sub>)-2,2'-bidipyrrins (BisBODIPYs): Highly Fluorescent BODIPY Dimers with Large Stokes Shifts  
**Chem. Eur. J.** 2008, 14, 2976-2983.
- 133. Barbara Ventura, Francesco Barigelletti, Fabien Durola, Lucia Flamigni, Jean-Pierre Sauvage, and Oliver Wenger**  
Fe(II), Ru(II) and Re(I) complexes of endotopic, sterically non-hindering, U-shaped 8,8'-disubstituted-3,3'-biisoquinoline ligands: syntheses and spectroscopic properties  
**Dalton Trans.** 2008, 491 - 498.
- 132. Barbara Ventura, Lucia Flamigni, Giancarlo Marconi, Fabio Lodato, David L. Officer**  
Extending the porphyrin core: synthesis and photophysical characterization of porphyrins with  $\beta$ -conjugated  $\beta$ -substituents

**New J. Chem.** 2008, 32, 166-178.

**131. Lucia Flamigni, Barbara Ventura, Mariusz Tasiar, Thomas Becherer, Heinz Langhals and Daniel T. Gryko**  
New and Efficient Arrays for Photoinduced Charge Separation Based on Perylene Bisimide and Corroles  
**Chem. Eur. J.** 2008, 14, 169-183.

**130. Lucia Flamigni**  
Photoinduced processes in interlocked structures containing porphyrins  
**J. Photochem. Photobiol. C: Photochemistry Reviews** 2007, 8, 191-210.

**129. Lucia Flamigni, Barbara Ventura, Etienne Baranoff, Jean-Paul Collin, Jean-Pierre Sauvage**  
A triphenylamine/Ir(III) bis terpyridine dyad for the assembly of a charge separation construct with improved performances  
**Eur. J. Inorg. Chem.** 2007, 5189-5198.

**128. Lucia Flamigni, Etienne Baranoff, Jean-Paul Collin, Jean-Pierre Sauvage, Barbara Ventura**  
Light Intensity Effects on Photoinduced Charge Separation Parameters in a Molecular Triad based on Iridium (III) Bisterpyridine unit  
**ChemPhysChem** 2007, 8, 1943-1949.

**127. Lucia Flamigni, Andrea Barbieri, Cristiana Sabatini, Barbara Ventura, Francesco Barigelletti**  
Photochemistry and Photophysics of Coordination Compounds: Iridium  
**Top. Curr. Chem.** 2007, 281, 143-203.

**126. Maria Teresa Indelli, Claudio Chiorboli, Lucia Flamigni, Luisa de Cola, Franco Scandola**  
Photoinduced Electron Transfer across Oligo-Paraphenylene Bridges. Distance and Conformational Effects in Ru(II)-Rh(III) Dyads  
**Inorg. Chem.** 2007, 46, 5630-5641.

**125. Etienne Baranoff, Francesco Barigelletti, Sylvestre Bonnet, Jean-Paul Collin, Lucia Flamigni, Pierre Mobian and Jean-Pierre Sauvage**  
From Photoinduced Charge Separation to Light-driven Molecular Machines  
**Structure & Bonding**, 2007, 123, 41-78.

**124. Mariusz Tasiar, Daniel T. Gryko, Marek Cembor, Jan S. Jaworski, Barbara Ventura, Lucia Flamigni**  
Photoinduced Energy and Electron Transfer Processes in 1,8-Naphthalimide-Corrole Dyads  
**New J. Chem.** 2007, 31, 247-259.

**123. Lucia Flamigni, Barbara Ventura, Mariusz Tasiar, and Daniel T. Gryko**  
Photophysical properties of a new, stable corrole-porphyrin dyad  
**Inorg. Chim. Acta** 2007, 360, 803-813.

**122. Lucia Flamigni, Barbara Ventura, Chang-Cheng You, Catharina Hippius, Frank Würthner**  
Photophysical characterization of a light-harvesting tetra-naphthalene imide / perylene bisimide array  
**J. Phys. Chem. C**, 2007, 111, 622-630.

**121. Audrey Auffrant, Andrea Barbieri, Francesco Barigelletti, Jean-Paul Collin, Lucia Flamigni, Cristiana Sabatini, Jean-Pierre Sauvage**  
Dinuclear Iridium(III) Complexes consisting of back-to-back tpy-(Ph)<sub>n</sub>-tpy bridging ligands (n= 0, 1 or 2) and terminal cyclometalating tridentate N-C-N ligands  
**Inorg. Chem.** 2006, 45, 10990-10997.

**120. Lucia Flamigni, Etienne Baranoff, Jean-Paul Collin, Jean-Pierre Sauvage**  
A Triad Based on an Iridium(III) Bis-Terpy Complex Leading to a Charge Separated-State with 120 ns Lifetime at Room Temperature  
**Chem. Eur. J.** 2006, 12, 6592-6606.

**119. Lucia Flamigni, Anna Maria Talarico, Barbara Ventura, Chloé Sooambar, Nathalie Solladié**  
Photoinduced Processes in a Dendritic Zn Porphyrin Structure with a Free-Base Porphyrin Core  
**Eur. J. Inorg. Chem.** 2006, 2155-2165.

**118. Lucia Flamigni, Valérie Heitz and Jean-Pierre Sauvage**  
Porphyrin Rotaxanes and Catenanes: Copper(I)-Templated Synthesis and Photoinduced Processes

**Structure & Bonding, 2006, 121, 217-261.**

**117. Lucia Flamigni, Anna Maria Talarico, Barbara Ventura, Regis Rein and Nathalie Solladié**

A Versatile Bis-porphyrin Tweezer Host for the Assembly of Non-Covalent Photoactive Architectures: a Photophysical Characterization of the Tweezers and Associates with Porphyrins and Other Guests  
**Chem. Eur. J. 2006, 12, 701-712.**

**116. Barbara Ventura, Alessandra Degli Esposti, Beata Koszarna, Daniel T. Gryko and Lucia Flamigni**

Photophysical Characterization of Free Base Corroles, Promising Chromophores for Light Energy Conversion and Singlet Oxygen Generation  
**New J. Chem. 2005, 29, 1559-1566.**

**115. Nathalie Solladié, Chloé Sooambar, Haiko Herschbach, Jean-Marc Strub, Emmanuelle Leize, Alain Van Dorsselaer, Anna Maria Talarico, Barbara Ventura and Lucia Flamigni**

A photoactive nona-porphyrin with nucleosidic linkers  
**New J. Chem., 2005, 29, 1504-1507.**

**114. Andrea Barbieri, Barbara Ventura, Lucia Flamigni, Francesco Barigelletti, Gerda Fuhrmann, Peter Bäuerle, Sébastien Goeb, and Raymond Ziessel**

Binuclear wire-like dimers based on Ruthenium(II)-bipyridine units linked by ethynylene-oligothiophene-ethynylene bridges  
**Inorganic Chemistry 2005, 44, 8033-8043.**

**113. Edwin C. Constable, Robyn W. Handel, Catherine E. Housecroft, Angeles Farràn Morales, Barbara Ventura, Lucia Flamigni and Francesco Barigelletti**

Metal-directed Synthesis and Photophysical Studies of Trinuclear V-shaped and Pentanuclear X Shaped ruthenium and Osmium Metallo-rods and Metallostars based upon 4'-(3,5-Dihydroxyphenyl)-2,2':6',2"-terpyridine divergent units.  
**Chem. Eur. J. 2005, 11, 4024-4034.**

**112. Lucia Flamigni, Barbara Ventura, Francesco Barigelletti, Etienne Baranoff, Jean-Paul Collin, Jean-Pierre Sauvage**

Luminescent Ir(III)-terpyridine complexes. Interplay of ligand centered and charge transfer states  
**Eur. J. Inorg. Chem. 2005, 1312-1318.**

**111. Etienne Baranoff, Kirsten Griffiths, Jean-Paul Collin, Jean-Pierre Sauvage, Barbara Ventura, Lucia Flamigni**

A pseudo-rotaxane based on an iridium(III)-copper(I) dyad.  
**New J. Chem. 2004, 28, 1091-1095.**

**110. Lucia Flamigni, Anna Maria Talarico, Barbara Ventura, Giancarlo Marconi, Cloe Sooambar, Nathalie Solladié**

Conformational Effects on the Photoinduced Energy Transfer in a Star Shaped Pentaporphyrin with Nucleosidic Linkers.  
**Eur. J. Inorg. Chem. 2004, 2557-2569.**

**109. Lucia Flamigni, Anna Maria Talarico, Jean-Claude Chambron, Valérie Heitz, Myriam Linke, Norifumi Fujita, Jean-Pierre Sauvage**

Photoinduced electron transfer in multiporphyrinic interlocked structures: effect of copper(I) coordination within the central site.  
**Chem. Eur. J. 2004, 10, 2689-2699.**

**108. Etienne Baranoff, Isabelle M. Dixon, Jean-Paul Collin, Jean-Pierre Sauvage, Barbara Ventura, Lucia Flamigni.**

Dyads containing iridium(III) bis-terpyridine as photoactive center : synthesis and electron transfer study. **Inorg. Chem. 2004, 43, 3057-3066.**

**107. Etienne Baranoff, Jean-Paul Collin, Lucia Flamigni, Jean-Pierre Sauvage.**

From Ruthenium(II) to Iridium(III) : 15 years of triads based on bis-terpyridine complexes.  
**Chem. Soc. Rev. 2004, 33, 147-155.**

**106. E. Iengo, E. Zangrando, E. Alessio, J-C. Chambron, V. Heitz, L. Flamigni, J-P. Sauvage.**

A non-covalent macrocyclic multiporphyrin assembly from a dizinc(II) bis-porphyrin receptor and a free base bis-pyridyl porphyrin.  
**Chem. Eur. J., 2003, 9, 5879-5887.**

**105. L. Flamigni, A. M. Talarico, B. Ventura.**

A practical approach to the study of photoactive self-assembled porphyrin systems.  
**J. Porphyrins Phthalocyanines 2003, 7, 318-327.**

- 104. L. Flamigni, A. M. Talarico, S. Serroni, F. Puntoriero, M. J. Gunter, M. R. Johnston, T. P. Jaynes**  
Photoinduced electron transfer between the interlocked components of porphyrin catenanes. Effect of the presence of non equivalent reduction sites on the charge recombination rate.  
**Chem. Eur. J.** **2003**, **9**, 2649-2659.
- 103. E. C. Constable, R. W. Handel, C. E. Housecroft, A. Farràn Morales, L. Flamigni, F. Barigelletti**  
Fine tuning of the photoinduced energy transfer rate in trinuclear Ru/Os 2,2':6',2''-terpyridine complexes through structural modification of the periphery.  
**J. Chem. Soc. Dalton Trans.**, **2003**, 1220-12222.
- 102. L. Flamigni, A. M. Talarico, M. J. Gunter, M. R. Johnston, T. P. Jaynes.**  
Photoinduced electron transfer in paraquat inclusion complexes of porphyrin-based receptors.  
**New J. Chem.** **2003**, **27**, 551 – 559.
- 101. L. Flamigni, M. R. Johnston, L. Giribabu.**  
Photoinduced Electron Transfer in *Bis*-Porphyrin Di-imide Complexes.  
**Chem. Eur. J.** **2002**, **8**, 3938-3947.
- 100. L. Flamigni, G. Marconi, I. M. Dixon, J.-P. Collin and J.-P. Sauvage.**  
Switching of Electron- to Energy-Transfer by Selective Excitation of Different Chromophores in Arrays Based on Porphyrins and a Polypyridyl Iridium Complex.  
**J. Phys. Chem. B.** **2002**, **106**, 6663-6671.
- 99. L. Flamigni, A. M. Talarico, F. Barigelletti, M. R. Johnston.**  
An unusual energy transfer process from free-base porphyrin guests to a zinc porphyrin host in self-assembled systems.  
**Photochem. Photobiol. Sciences** **2002**, **1**, 190-197.
- 98. S. Encinas, L. Flamigni, F. Barigelletti, E. C. Constable, C. E. Housecroft, E. R. Schofield, E. Figgemeier, D. Fenske, M. Neuburger, J. G. Vos, M. Zehnder.**  
Electronic energy transfer and collection in luminescent molecular rods containing Ruthenium(II)- and Osmium (II)-2,2':6',2''-terpyridine complexes linked by thiophene-2, 5-diyl spacers.  
**Chem, Eur. J.** **2002**, **8**, 137-150
- 97. L. Flamigni, M. R. Johnston.**  
Photoinduced electron transfer in a non-covalently linked donor-acceptor system: a bis-porphyrinic host and a naphthalene di-imide guest.  
**New J. Chem.** **2001**, **25**, 1368-1370.
- 96. I. M. Dixon, J.-P. Collin and J.-P. Sauvage, L. Flamigni.**  
Porphyrinic diads and triads assembled around an iridium (III) bis-terpyridine: photoinduced electron transfer processes.  
**Inorg. Chem.** **2001**, **40**, 5507-5517.
- 95. L. Flamigni, G. Marconi, M. R. Johnston.**  
*Bis*-porphyrinic clamp for photo- and electro-active guests for light energy conversion: a spectroscopic and photophysical study.  
**Phys. Chem. Chem. Phys.** **2001**, **3**, 4488-4494.
- 94. L. Flamigni.**  
Charge separation and energy transfer in multicomponent porphyrinic arrays.  
**Pure and Appl.Chem.** **2001**, **73**, 421-424.
- 93. N. Armaroli, J.-C. Chambron, J.-P. Collin, C. Dietrich-Buchecker, L. Flamigni, J.-M. Kern, J.-P. Sauvage.**  
Metal-Assembled Catenanes, Rotaxanes, and Knots.  
**Electron Transfer in Chemistry. Chapter III, Part 2/8. p 582-654. V. Balzani et al (ed). Wiley-VCH, Weinheim 2001.**
- 92. Lucia Flamigni, Isabelle M. Dixon, Jean-Paul Collin and Jean-Pierre Sauvage.**  
A Zn(II) porphyrin - Ir(III) bis-terpyridine - Au(III) porphyrin triad with a charge-separated state in the microsecond range.  
**Chem. Comm.** **2000 (24)**, 2479-2480.
- 91. M. Linke, J.-C. Chambron, V. Heitz, J.-P. Sauvage, S. Encinas, F. Barigelletti, L. Flamigni.**  
Multiporphyrinic rotaxanes: control of the intramolecular electron transfer rate by steering the mutual arrangement of the

chromophores.

**J. Am. Chem. Soc. 2000, 122, 11843-11844.**

**90. Isabelle M. Dixon, Jean-Paul Collin, Jean-Pierre Sauvage, Lucia Flamigni, Susana Encinas and Francesco Barigelletti.**

A family of luminescent coordination compounds: iridium(III) polyimine complexes.

**Chem. Soc. Rev. 2000, 29, 385-391**

**89. L. Flamigni, S. Encinas, F. Barigelletti, F. M. MacDonnell, M.-J. Kim, F. Puntoriero, S. Campagna.**

Excited state interconversion between emissive MLCT levels in a dinuclear Ru(II) complex containing a bridging ligand with an extended  $\pi$  system.

**Chem. Commun., 2000, 1185-1186.**

**88. S. Encinas, K. L. Bushell, S. Couchman, J. C. Jeffery, M. D. Ward, L. Flamigni, F. Barigelletti.**

Switching of the inter-component photoinduced electron- and energy-transfer properties of a Ru(II)-aza-crown-Re(I) complex; effects of changing temperature, and of incorporation of Ba<sup>2+</sup> ion into the macrocyclic spacer between the chromophores.

**J. Chem. Soc. Dalton Trans., 2000, 1783-1792**

**87. I. M. Dixon, J.-P. Collin, J.-P. Sauvage, F. Barigelletti, L. Flamigni.**

Charge separation in a molecular triad consisting of an Ir(III)-bis-terpy central core and porphyrins as terminal electron donor and acceptor groups.

**Angew. Chem. Int. Ed. En. 2000, 39, 292-295.**

**86. F. Barigelletti, L. Flamigni.**

Photoactive molecular rods based on metal complexes.

**Chem. Soc. Rev. 2000, 29, 1-12**

**85. E. N. Ushakov, S. P. Gromov, O. A. Fedorova, Y. V. Pershina, M. V. Alfimov, F. Barigelletti, L. Flamigni, V. Balzani.**

Sandwich-type complexes of alkaline-earth metal cations with a bisstyryl dye containing two crown ether units.

**J. Phys. Chem. A, 1999, 103, 11188-11193**

**84. L. Flamigni, N. Armaroli, F. Barigelletti, J.-C. Chambron, J.-P. Sauvage, N. Solladie.**

Photoinduced processes in porphyrin-stoppered [3]-rotaxanes.

**New J. Chem. 1999, 23, 1151-1158**

**83. N. C. Fletcher, M. D. Ward, S. Encinas, N. Armaroli, L. Flamigni, F. Barigelletti.**

Use of photoinduced energy-transfer to probe solvent-dependent conformational changes in a flexible Ru/Os dinuclear complex.

**Chem. Commun., 1999, 2089-2090**

**82. E. C. Constable, C. E. Housecroft, E. R. Schofield, S. Encinas, N. Armaroli, F. Barigelletti, E. Figgmeier, L. Flamigni, J.G.Vos.**

Luminescent molecular wires with 2,5-thiophenediyl spacers linking [Ru(terpy)<sub>2</sub>] units.

**Chem. Commun. 1999, 869-870.**

**81. L. Flamigni, F. Barigelletti, N. Armaroli, J.-P. Collin, I. M. Dixon, J.-P. Sauvage, J. A. G. Williams.**

Photoinduced processes in multicomponent arrays containing transition metal complexes.

**Coord. Chem. Rev. 1999, 190-192, 671-682**

**80. J.-P. Collin, I. M. Dixon, J.-P. Sauvage, J. A. Gareth Williams, F. Barigelletti, L. Flamigni.**

Synthesis and photophysical properties of Iridium(III)-bisterpyridine and its analogues: a family of complexes with an unexpectedly long-lived excited state.

**J. Am. Chem. Soc. 1999, 121, 5009-5016.**

**79. D. J. Cardenas, J.-P. Collin, P. Gavina, J.-P. Sauvage, A. De Cian, J. Fisher, N. Armaroli, L. Flamigni, V. Vicinelli, V. Balzani.**

Synthesis, X-ray structure, electrochemical and excited state properties of multicomponent complexes made of a [Ru(tpy)<sub>2</sub>]<sup>2+</sup> unit covalently linked to a [2]-catenate moiety. Controlling the energy-transfer direction by changing the catenate metal ion.

**J. Am. Chem. Soc. 1999, 121, 5481-5488.**

**78. N. Armaroli, F. Diederich, L. Echegoyen, T. Abisher, L. Flamigni, G. Marconi, J.-F. Nierengarten.**

A new pyridyl-substituted methanofullerene derivative. Photophysics, electrochemistry and self-assembly with zinc(II)-meso-

tetraphenylporphyrin (ZnTPP).  
**New J. Chem.** **1999**, **23**, 77-83

**77. L. Flamigni, F. Barigelletti, N. Armaroli, B. Ventura, J.-P. Collin, J.-P. Sauvage, J. A. G. Williams.**  
Triplet-triplet energy transfer between porphyrins linked via a ruthenium(II) bisterpyridine complex.  
**Inorg. Chem.** **1999**, **38**, 661-667.

**76. F. Barigelletti, L. Flamigni, G. Calogero, L. Hammarstrom, J.-P. Sauvage, J.-P. Collin.**  
A functionalized ruthenium (II)-bis-terpyridine complex as a rod-like luminescent sensor of zinc(II).  
**Chem. Commun.**, **1998**, 2333-2334.

**75. L. Flamigni, F. Barigelletti, N. Armaroli, J.-P. Collin, J.-P. Sauvage, J. A. G. Williams.**  
Photoinduced processes in highly coupled multicomponent arrays based on a ruthenium(II)bis(terpyridine) complex and porphyrins.  
**Chem. Eur. J.** **1998**, **4**, 1744-1754.

**74. A. N. Barthram, M. D. Ward, A. Gessi, N. Armaroli, L. Flamigni, F. Barigelletti.**  
Spectroscopic, luminescence and electrochemical studies on a pair of isomeric complexes [(bipy)<sub>2</sub>Ru(AB)PtCl<sub>2</sub>][PF<sub>6</sub>]<sub>2</sub> and [Cl<sub>2</sub>Pt(AB)Ru(bipy)<sub>2</sub>][PF<sub>6</sub>]<sub>2</sub>, where AB is the bis-bipyridyl bridging ligand 2,2':3',2'':6'',2'''-quaterpyridine.  
**New J. Chem.** **1998**, 913-9

**73. M. D. Ward, C. M. White, F. Barigelletti, N. Armaroli, G. Calogero, L. Flamigni.**  
Assemblies of luminescent ruthenium(II)-and osmium(II)-polypyridyl complexes based on hydrogen bonding.  
**Coord. Chem. Rev.** **1998**, **171**, 481-488.

**72. N. Armaroli, F. Diederich, C. O. Dietrich-Buchecker, L. Flamigni, G. Marconi, J.-F. Nierengarten, J.-P. Sauvage.**  
A copper(I)- complexed rotaxane with two fullerene stoppers: synthesis, electrochemistry, and photoinduced processes.  
**Chem. Eur. J.** **1998**, **4**, 406-416.

**71. A. Livoreil, J.-P. Sauvage, N. Armaroli, V. Balzani, L. Flamigni, B. Ventura.** Electrochemically and photochemically driven motions in a disymmetrical copper [2]-catenate.  
**J. Am. Chem. Soc.** **1997**, **119**, 12114

**70. L. Hammarstrom, F. Barigelletti, L. Flamigni, M. T. Indelli, N. Armaroli, G. Calogero, M. Guardigli, A. Sour, J.-P. Collin, J.-P. Sauvage.**  
A study on delocalization of MLCT excited states by rigid bridging ligands in homometallic dinuclear complexes of ruthenium(II).  
**J. Phys. Chem. A** **1997**, **101**, 9061.

**69. N. Armaroli, F. Barigelletti, G. Calogero, L. Flamigni, C. M. White, M. D. Ward.**  
Electronic energy transfer between ruthenium(II) and Osmium (II) polypyridyl luminophores in a hydrogen-bonded supramolecular assembly.  
**Chem. Commun.**, **1997**, 2181.

**68. J.-M Kern, J.-P. Sauvage, J.-L. Weidmann, N. Armaroli, L. Flamigni, P. Ceroni, V. Balzani.**  
Complexes containing 2,9-bis(p-biphenyl)-1,10-phenanthroline units incorporated into a 56-membered ring. Synthesis, electrochemistry, and photophysical properties.  
**Inorg. Chem.** **1997**, **36**, 5329.

**67. M.T. Indelli, F. Scandola, L. Flamigni, J.-P. Collin, J.-P. Sauvage, A. Sour.**  
Photoinduced electron transfer in Ru(II)-Rh(III) terpyridine dyads.  
**Inorg. Chem.** **1997**, **36**, 4247.

**66. F. Pina, M. J. Melo, R. Ballardini, L. Flamigni, M. Maestri.**  
Flash-photolysis of 4', 7'-dihydroxyflavylium perchlorate.  
**New J. Chem.** **1997**, **21**, 969.

**65. L. Flamigni, N. Armaroli, F. Barigelletti, V. Balzani, J.-P. Collin, J.-O. Dalbavie, V. Heitz, J.-P. Sauvage.**  
Photoinduced processes in dyads made of a porphyrin unit and a ruthenium complex.  
**J. Phys. Chem.** **1997**, **101**, 5936.

**64. R. M. Cleary, K. J. Byrom, D. A. Bardwell, J. C. Jeffery, M. D. Ward, G. Calogero, N. Armaroli, L. Flamigni, F. Barigelletti.**  
Intercomponent electronic energy transfer in heteropolynuclear complexes containing Ru- and Re-based chromophores bridged by

an asymmetric quaterpyridine ligand.

**Inorg. Chem.** **1997**, **36**, 2601

**63. F. Barigelletti, L. Flamigni, J.-P. Collin, J. -P. Sauvage.**

Vectorial transfer of electronic energy in rod-like Ru/Os dinuclear complexes.

**Chemical communication (Feature article)**, **1997**, 333.

**62. Leif Hammarstrom, F. Barigelletti, L. Flamigni, N. Armaroli, A. Sour, J.-P. Collin, J.-P. Sauvage.**

Temperature independent Ru→Os electronic energy transfer in a rod-like dinuclear complex with a 2.4 nm intermetal separation.

**J.Am.Chem. Soc.** **1996**, **118**, 11972.

**61. V. Balzani, F. Barigelletti, P. Belser, S. Bernhard, L. De Cola, L. Flamigni.**

Rigid rod-like dinuclear Ru(II)/Os(II) complexes of a novel bridging ligand. Luminescence properties and intercomponent energy and electron transfer processes.

**J. Phys. Chem.**, **1996**, **100**, 16786

**60. J.-P. Collin, J.-O. Dalbavie, V. Heitz, J.-P. Sauvage, L. Flamigni, N. Armaroli, V. Balzani, F. Barigelletti, I. Montanari.**

A transition metal-assembled dyad containing a porphyrin module and an electron deficient ruthenium complex.

**Bull. Soc. Chim. Fr**, **1996**, 133,749.

**59. F. Barigelletti, L. Flamigni, M. Guardigli, J.-P. Sauvage, J.-P. Collin, A. Sour.**

Modulation of the luminescence properties of a Ruthenium-Terpyridine complex by protonation of a remote site.

**Chemical Communications** , **1996**, 1329.

**58. M. Guardigli, L. Flamigni, F. Barigelletti, C. W. Richards, M. D. Ward.**

Proton sensitivity of luminescent  $[M(\text{bpy})_2(\text{AB})]^{2+}$  complexes and their monomethylated counterparts  $[M(\text{bpy})_2(\text{ABMe})]^{3+}$  where AB is an asymmetric quaterpyridine with a pendant bipyridyl site  $[M=\text{Ru}^{\text{II}}, \text{Os}^{\text{II}}]$ .

**J. Phys. Chem** **1996**, **100**, 10620.

**57. M. Frank, M. Nieger, F. Vogtle, P. Belser, A. Von Zelewsky, L. De Cola, V. Balzani, F. Barigelletti, L. Flamigni.**

Dinuclear Ru(II) and/or Os(II) complexes of bis-bipyridine bridging ligands containing adamantane spacers. Synthesis, luminescence properties, intercomponent energy and electron transfer processes.

**Inorg. Chim. Acta** **1996**, **242**, 281.

**56. F. Barigelletti, L. Flamigni, M. Guardigli, A. Juris, M. Beley, S. Chodorowski-Kimmes, J.-P. Collin, J.-P. Sauvage.**

Energy transfer in rigid Ru(II)/Os(II) dinuclear complexes with biscyclometalating bridging ligands containing a variable number of phenylene units.

**Inorg. Chem.** **1996**, **35**, 136.

**55. L. De Cola, V. Balzani, F. Barigelletti, L. Flamigni, P. Belser, S. Bernhard.**

Photoinduced energy and electron-transfer processes in dinuclear ruthenium (II) and /or osmium (II) complexes connected by a linear rigid bis-chelating bridge.

**Rec. Trav. Chim. Pays-Bas** **1995**, **114**, 534.

**54. F. Barigelletti, L. Flamigni, M. Guardigli, V. Balzani, L. De Cola.**

Energy and electron transfer in rigid, covalently linked, dichromophoric systems based on Ru(II)- and Os(II)-polypyridine complexes.

**Macrocyclic and Supramolecular Chemistry in Italy. G.Savelli ed. Perugia 1994, pp. 191-197.** (Published in 1995)

**53. F. Barigelletti, L. Flamigni, V. Balzani, J.-P. Collin, J.-P. Sauvage, A. Sour.**

Luminescence properties of rigid, rod-like, dichromophoric species. Dinuclear Ru-Os terpyridine-type complexes with 2.4 nm metal-to-metal distance.

**New J. Chem.** **1995**, **19**, 793.

**52. D. A. Bardwell, F. Barigelletti, R. L. Cleary, L. Flamigni, M. Guardigli, J. C. Jeffery, M. D. Ward.**

Synthesis, electrochemical behaviour, and spectroscopic and luminescence properties of dinuclear species containing [Re (diimine) Cl (CO<sub>3</sub>)] chromophores bridged by a nonsymmetric quaterpyridine ligand.

**Inorg. Chem.** **1995**, **34**,2438.

**51. L. De Cola, V. Balzani, F. Barigelletti, L. Flamigni, P. Belser, A. von Zelewsky, M. Frank, F. Vogtle.**

Photoinduced processes in dinuclear complexes containing rigid bridging ligands.

**Mol. Cryst. Liq. Cryst** , 1994, 252, 97.

**50. A. J. Amoroso, F. Barigelletti, A. Das, L. Flamigni, J.A. McCleverty, M.D. Ward.**

Energy-transfer quenching of a polypyridyl-Ruthenium(II) chromophore by covalently attached {ML\*(NO)} fragments [M= Mo, W, L\*=tris(3,5-dimethylpyrazolyl)hydroborate].

**Inor. Chim. Acta**, 1994, 226, 171.

**49. F. Barigelletti, L. Flamigni, V. Balzani, J.-P. Collin, J.-P. Sauvage, A. Sour, E.C. Constable, A. M. W. Cargill Thompson.**

Rigid rod-like dinuclear Ru(II)/Os(II) terpyridine-type complexes. Electrochemical behaviour, absorption spectra, luminescence properties, and electronic energy transfer through phenylene bridges.

**J. Am. Chem. Soc.** 1994, 116, 7692.

**48. L. Flamigni.**

Effects of complexation by cyclodextrins on the photoreactivity of Rose Bengal and Erythrosyn B. A laser-flash-photolysis investigation.

**J. Chem. Soc. Faraday I.**, 1994, 90, 2331.

**47. M. Beley, S. Chodorowski, J.-P. Collin, J.-P. Sauvage, L. Flamigni, F. Barigelletti.**

Luminescent Dinuclear Complexes Containing Ru(II)- and Os (II) Terpyridine-type Chromophores Bridged By a Rigid Biscyclometalating Ligand.

**Inorg. Chem.**, 1994, 33, 2543

**46. N. Armaroli, V. Balzani, F. Barigelletti, L. De Cola, L. Flamigni, J.-P. Sauvage, C. Hemmert.**

Supramolecular Photochemistry and photophysics. A [3]-Catenand and its mononuclear and homo- and heterodinuclear [3]-catenates.

**J. Am. Chem. Soc.**, 1994, 116, 5211.

**45. J.-P. Sauvage, J.-P. Collin, J.-C. Chambron, S. Guillerez, C. Coudret, V. Balzani, F. Barigelletti, L. De Cola, L. Flamigni.**

Ruthenium (II) and Osmium (II) bis(terpyridine) complexes in covalently-linked multicomponent systems: Synthesis, Electrochemical behaviour, absorption spectra, and photochemical and photophysical properties.

**Chem. Rev**, 1994, 94, 993.

**44. F. Barigelletti, L. Flamigni, V. Balzani, J.-P. Collin, J.-P. Sauvage, A. Sour, E. C. Constable, A.M.W. Cargill Thompson.,**

Intramolecular energy transfer through phenyl bridges in rod-like dinuclear Ru(II)/Os(II) terpyridine-type complexes.

**Coord. Chem. Review** , 1994, 132, 209

**43. F. Vogtle, M. Frank, M. Nieger, P. Belser, A. von Zelewsky, V. Balzani, F. Barigelletti, L. De Cola, L. Flamigni.**

Rigid Rodlike Metal Complexes of Nanometric Dimension: Synthesis, Luminescence Properties, and long Range Energy Transfer.

**Angew. Chem. Int. Ed. En.** 1993, 32, 1634.

**42. L. De Cola, V. Balzani, F. Barigelletti, L. Flamigni, P. Belser, A. von Zelewsky, M. Frank, F. Vogtle.**

Photoinduced Energy and Electron Transfer Processes in Supramolecular Species. Tris(bipyridine) Complexes of Ru(II)/Os(II), Ru(II)/Ru(III), Os(II)/Os(III) and Ru(II)/Os(III) Separated by a rigid spacer.

**Inorg. Chem.** 1993, 32, 5228.

**41. L. Flamigni.**

Inclusion of Fluorescein and Halogen Derivatives in  $\alpha$ -,  $\beta$ -,  $\gamma$ -Cyclodextrins. A Steady State and Picosecond Time-Resolved Study.

**J. Phys. Chem.**, 1993, 97, 9566.

**40. F. Barigelletti, L. Flamigni, V. Balzani, J.-P. Collin, J.-P. Sauvage, A. Sour, E.C. Constable, A.M.W. Cargill Thompson.**

Luminescence Properties of Rigid Rod-like Binuclear Ruthenium(II)-Osmium(II) Terpyridine Complexes; Electronic Interaction Through Phenyl Bridges.

**J. Chem. Soc., Chemical Communications** , 1993, 11, 942.

**39. P. Bortolus, N. Camaioni, L. Flamigni, F. Minto, S. Monti, A. Faucitano.**

Photostabilization mechanism of hindered amine light stabilizer; interaction of singlet and triplet anthracene with piperidine model compounds.

**J. Photochem. Photobiol. A; Chem.**, 1992, 68, 239

**38. J.-P. Collin, S. Guillerez, J.-P. Sauvage, F. Barigelletti, L. De Cola, L. Flamigni, V. Balzani.**

Photoinduced processes in dyads and triads: An osmium(II)-bis-terpyridine photosensitizer covalently linked to electron donor and acceptor groups.

**Inorg. Chem.** **1992**, **31**, 4113.

**37 M. Gleria, P. Bortolus, F. Minto, L. Flamigni.**

Aspects of polyphosphazene photochemistry.

**Inorganic and Organometallic Polymers with Special Properties**, R.M. Laine ed.. Kluwer Academic Publisher. Netherlands **1992**. pp.375-393.

**36 L. Flamigni.**

A nanosecond laser flash Photolysis study of intramolecular reactions in the erythrosyn B/CTAB aqueous system.

**J. Phys. Chem.** **1992**, **96**, 3331.

**35. M. Gleria, F. Minto, L. Flamigni, P. Bortolus.**

Photochemical behaviour of poly(organophosphazenes) Part X: Poly[bis(4-isopropylphenoxy)<sub>0.8</sub>(4-benzoylphenoxy)<sub>1.2</sub> phosphazene]. An example of polyphosphazene-based photoresist.

**J. Inorg. Organomet. Polym.** **1992**, **2**, 329.

**34. J.-P. Collin, S. Guillerez, J.-P. Sauvage, F. Barigelletti, L. Flamigni, L. De Cola, V. Balzani.**

Photoinduced charge separation in dyads and triads containing a ruthenium(II)- or osmium(II)-bis-terpyridine photosensitizer covalently linked to electron donor and acceptor groups.

**Coord. Chem. Rev.** **1991**, **111**, 291.

**33. J.-P. Collin, S. Guillerez, J.-P. Sauvage, F. Barigelletti, L. De Cola, L. Flamigni, V. Balzani.**

Photoinduced processes in Dyads and Triads Containing a Ruthenium(II)-Bis(terpyridine) Photosensitizer covalently Linked to Electron Donor and Acceptor Groups.

**Inorg. Chem.** **1991**, **30**, 4230.

**32. P. Bortolus, L. Flamigni, S. Monti, M. Bolte, G. Guyot.**

Silver(I) perturbation of (E)-(Z) Photoisomerization of Stilbene and Azobenzene.

**J. Chem. Soc. Faraday Trans.**, **1991**, **87**, 1303.

**31. F. Minto, L. Flamigni, P. Bortolus, M. Gleria.**

Photochemical behaviour of Poly(organophosphazenes). IX. Internal photostabilization Effects in (4-Benzoylphenoxy)<sub>x</sub> (β-naphthoxy)<sub>2-x</sub> phosphazene Copolymers.

**J. Inorg. Organomet. Polym.** **1991**, **1**, 53.

**30. L. Flamigni, N. Camaioni, P. Bortolus, F. Minto, M. Gleria.**

Intramolecular Naphthalene Triplet Excimers in Solutions of Phosphazene Copolymers.

**J. Phys. Chem.** **1991**, **95**, 971.

**29. V. Balzani, F. Bolletta, L. De Cola, M.T. Gandolfi, M. Maestri, M.F. Manfrin, L. Moggi, L. Prodi, N. Sabbatini, R. Ballardini, F. Barigelletti, M. Ciano, L. Flamigni.**

Supramolecular Photochemistry.

**Macrocyclic and Supramolecular Chemistry in Italy**. U. Tonellato and P.A. Vigato eds. Padova 1990, pp 13-19.

**28. S. Monti, L. Flamigni, N. Camaioni, P. Bortolus.**

Fotochimica in cavita' di ciclodestrine.

**V Convegno Nazionale della societa' Italiana per le ricerche sulle radiazioni**. ENEA serie simposi, Roma 1989, pp 349-352.

**27. L. Flamigni, E. Venuti, N. Camaioni, F. Barigelletti.**

A spectral investigation of the solvent sensitivity of Resorufin.

**J. Chem. Soc. Faraday Trans. 2**, **1989**, **85**, 1935

**26. M. Gleria, F. Minto, L. Flamigni, P. Bortolus.**

Photochemical Behavior of poly(organo)phosphazenes: Part VI. Photostabilization of Poly[bis(4-benzoylphenoxy)]phosphazene by energy transfer processes.

**Polym. Deg. Stab.**, **1988**, **22**, 125.

**25. S. Monti, L. Flamigni, A. Martelli, P. Bortolus.**

The photochemistry of benzophenone-cyclodextrins inclusion complexes.

**J. Phys. Chem., 1988, 92, 4447**

**24. L. Flamigni, G. Orlandi.**

Mechanism of S<sup>1</sup> decay in alkanes: deuterium effect.

**J. Photochem. Photobiol. A, 1988, 42, 241.**

**23. F. Ricchelli, M. Beltramini, L. Flamigni, B. Salvato.**

Emission quenching mechanisms in Octopus vulgaris Hemocyanin: steady state and time-resolved fluorescence studies.

**Biochemistry, 1987, 26, 6993.**

**22. L. Flamigni, G. Orlandi.**

Two-photon excitation studies of the decay of S<sup>1</sup> state in alkanes.

**Proceeding of the VI Tihany Symposium on Radiation Chemistry, P. Hedvig, L. Nyikos and R. Schiller eds. Akademiai Kiado, Budapest, 1987, p.297.**

**21. C. Carlini, L. Toniolo, P.A. Rolla, F. Barigelletti, P. Bortolus, L. Flamigni.**

Polymeric photoinitiators containing side chain benzophenone chromophores: relationships between structure and activity.

**New Polymeric Mat., 1987, 1, 63.**

**20. M. Gleria, F. Minto, L. Flamigni, P. Bortolus.**

Photochemical behavior of poly(organo)phosphazenes: part 5. Photochemistry of poly(bis(4-benzoyl-phenoxy) phosphazene), [NP-(O-C<sub>6</sub>H<sub>4</sub>-CO-C<sub>6</sub>H<sub>5</sub>)<sub>2</sub>]<sub>n</sub>, in solution.

**Macromolecules, 1987, 20, 1766.**

**19. F. Ricchelli, M. Beltramini, L. Flamigni, B. Salvato.**

Fluorescence quenching mechanism in hemocyanins.

**Med. Biol. Environ., 1986, 14, 169.**

**18. S. Monti, L. Flamigni.**

Primary processes in the reduction of 4-nitro-azobenzene. A pulse radiolysis study in alcoholic solvents.

**J. Phys. Chem., 1986, 90, 1179**

**17. S. Monti, L. Flamigni.**

Intermedi in fenomeni riduttivi di coloranti azoici.

**Congresso nazionale della Societa' Italiana di Radiobiologia e della Societa' Italiana per le Ricerche sulle Radiazioni. A. Castellani editor. Enea serie Congressi. Roma 1985, pp. 325-328.**

**16. G. Orlandi, F. Barigelletti, L. Flamigni, S. Dellonte.**

Mechanism of S<sup>1</sup> deactivation in alkanes: heavy atom effect.

**J. Photochem., 1985, 31, 49.**

**15. L. Flamigni, P. Bortolus, F. Barigelletti, C. Carlini.**

Photoinitiation of polymerization by the class of poly-acryloxy-benzophenones: a photophysical study.

**Future trends in polymer science and technology. Polymers: commodities or specialities. C. Marchetta editor. Teti, Napoli. 1985, pp. 164-167.**

**14. L. Flamigni, S. Monti.**

Primary processes in the reduction of azo dyes in alcohols studied by pulse radiolysis.

**J. Phys. Chem., 1985, 89, 3702.**

**13. L. Flamigni, F. Barigelletti, P. Bortolus, C. Carlini.**

Photophysical study on a new class of benzophenone containing photoinitiators of polymerization: properties of poly(4-acryloxy-benzophenone) and a model compound.

**Europ. Polym. J., 1984, 20, 171.**

**12. S. Dellonte, L. Flamigni, F. Barigelletti, L. Wojnarovitz, G. Orlandi.**

Temperature dependence of fluorescence lifetime of linear alkanes: a correlation with the decomposition.

**J. Phys. Chem., 1984, 88, 58.**

**11. L. Flamigni, F. Barigelletti, S. Dellonte, G. Orlandi.**

Photophysical properties of benzil in solution: triplet state deactivation pathways.

**J. Photochem., 1983, 21, 273.**

**10. G. Orlandi, L. Flamigni, F. Barigelletti, S. Dellonte.**

Photophysical properties of liquid alkanes studied by nitrogen laser two-photon excitation.

**Rad. Phys. Chem., 1983, 21, 113.**

**9. F. Barigelletti, S. Dellonte, L. Flamigni.**

Nanosecond and subnanosecond emission rate parameter determination by improved reconvolution iterative least squares method.

**Gazz. Chim. Ital., 1982, 112, 543.**

**8. S. Dellonte, F. Barigelletti, G. Orlandi, L. Flamigni.**

Intramolecular deactivation processes and energy transfer mechanism in liquid alkanes studied by N<sub>2</sub> laser two-photon excitation.

**Proceedings of the 5th Tihany Symposium on Radiation Chemistry, 1982, J. Dodo and P. Hedvig editors, Akademiai Kiado (Budapest), p. 437.**

**7. L. Flamigni, F. Barigelletti, S. Dellonte, G. Orlandi.**

Temperature dependence of fluorescence lifetime of cyclic alkanes: mechanism of S<sub>1</sub> deactivation.

**Chem. Phys. Letters, 1982, 89, 13.**

**6. A. Finazzi Agro, L. Zolla, L. Flamigni, H.A. Kuiper, M. Brunori.**

Spectroscopy of CO hemocyanins. Phosphorescence of the binuclear carbonylated copper centers.

**Biochemistry, 1982, 21, 415.**

**5. G. Orlandi, S. Dellonte, L. Flamigni, F. Barigelletti.**

Temperature dependence and diffusion control of the rate constant for energy transfer from decalin to benzene.

**J. Chem. Soc., Faraday Trans.1, 1982, 78, 1465**

**4. E. Gardini, S. Dellonte, L. Flamigni, F. Barigelletti.**

The reliability of iterative reconvolution in fitting two exponential fluorescence decay.

**Gazz. Chim. Ital., 1980, 110, 533.**

**3. L. Flamigni.**

Transient species in the pulse radiolysis of cyclohexane solutions of group VI metal carbonyls.

**Rad. Phys. Chem., 1979, 13, 133.**

**2. F. Busi, L. Flamigni, G. Orlandi.**

Formation of aromatic solute excited states in irradiated cyclohexane solutions.

**Rad. Phys. Chem., 1979, 13, 165.**

**1. F. Busi, L. Flamigni, A. Roda.**

Mechanism of the radiolytic decomposition of nitrous oxide in liquid cyclohexane.

**Int. J. Rad. Phys. Chem., 1975, 7, 589.**

## ***Comunicazioni a Congressi***

**133. Barbara Ventura, Adina I. Ciuciu, Eduardo Cueto Diaz, Mireille Blanchard-Desce, Lucia Flamigni**

Photophysical properties of peripherally charged dendrimers designed for two-photon excited fluorescence imaging

**Italian Photochemistry meeting 20014. Abbazia di Morimondo, Milano November 27-29 2014, Abstract OC1**

**132. L. Flamigni**

The contribution of linear spectroscopy and photophysics to the characterization of 2PA absorbers for biomedical applications

**International Symposium: Two-photon absorption for biomedical applications, Bordeaux 7-10 October 2014**

**131. Barbara Ventura, Adina I. Ciuciu, Eduardo Cueto Diaz, Mireille Blanchard-Desce, Lucia Flamigni**

Photophysical characterization of peripherally charged dendrimers designed for two-photon absorption

**International Symposium: Two-photon absorption for biomedical applications, Bordeaux 7-10 October 2014**

**130. L. Flamigni**

Functional arrays for light energy capture and charge separation

**XXV IUPAC Conference on Photochemistry, Bordeaux 13-18 July. Book of Abstract PL5.**

**129. Barbara Ventura, Lucia Flamigni, Stéphanie Durot, Julien Taesch, Tung T. Dang, Valérie Heitz**

Photophysics of silver(I)-Assembled porphyrin cages

**XXV IUPAC Conference on Photochemistry, Bordeaux 13-18 July. Book of Abstract P188.**

**128. A.I. Ciuciu, R.Voloshchuk, B. Böck, H. Langhals, D. T. Gryko, I. Flamigni**

Photoinduced energy and electron transfer processes in multichromophoric corrole-based arrays

**International Conference on Photochemistry, ICP 2013, Leuven, Belgium 21-26th July 2013. Book of abstracts page 226**

**127. Lucia Flamigni, Barbara Ventura, Yann Trolez, Fabien Durola, Julien Frey, Felipe Reviriego, Jean-Paul Collin, Valérie Heitz, Jean-Pierre Sauvage**

Near-infrared luminescence from cyclic [4]rotaxanes containing extended zinc porphyrins

**Italian Photochemistry Meeting 2012, Bologna October 11-12. Book of Abstracts p.49.**

**126. Adina I. Ciuciu, Lucia Flamigni, Roman Voloshchuk, Maciej Chotkowski, Daniel T. Gryko**

Effect of solvent polarity on electron transfer processes in a corrole-based triad

**Italian Photochemistry meeting 2012, Bologna October 11-12. Book of Abstracts p.11.**

**125. L. Flamigni**

Photoinduced energy and electron transfer in non-covalent multiporphyrin artificial arrays

**International Conference on Tetrapyrrole Photoreceptors of Photosynthetic Organisms (ICTPPO 2011). July 24-28 2011 Berlin, Germany. Abstracts book p. L35.**

**124. B. Ventura, L. Flamigni, F. Durola, J. Frey, V. Heitz, J.-P. Sauvage**

Photophysical properties of an extended zinc porphyrin

**19<sup>th</sup> International Symposium on the Photochemistry and Photophysics of Coordination Compounds, July 3-7 2011, Strasbourg, France. Book of Abstracts P-138.**

**123. R.Voloshchuk, M. Tazior, D. T. Gryko, D. Pielacinska, A. Zanelli, L. Flamigni**

Trans-A<sub>2</sub>B-corroles bearing coumarin moieties. From synthesis to photophysics

**XXIII IUPAC Symposium on Photochemistry. July 11-16 2010, Ferrara, Italy. Book of Abstracts p.446, P316.**

**122. Lucia Flamigni**

Photoinduced processes in non-covalent multi-porphyrin arrays

**XXIII IUPAC Symposium on Photochemistry. July 11-16 2010, Ferrara, Italy. Book of Abstracts p.37, SO4.**

**121. Lucia Flamigni**

Multi component arrays for the conversion of light energy. Plenary Lecture

**FISPHOTON 2009, 2nd France-Italy Symposium on Photoscience. December 7-10 2009, Marseille, France. Book of abstract p. 38**

**120. Lucia Flamigni**

Terpyridine complexes as functional assembling units in arrays for the conversion of light energy: the story of a collaboration.

**Chimie Supramoléculaire. Journées Scientifiques en l'honneur de Jean-Pierre Sauvage. 26-27 November 2009, Strasbourg, France. Book of Abstracts p.**

**119. Lucia Flamigni.**

Iridium terpyridine complexes as functional assembling units in arrays for charge separation

**The 5th Korea-Italy Joint Symposium on Inorganic Chemistry, 27-30 September 2009, Pohang, Korea. Book of Abstract p.15**

**118. Barbara Ventura, Lucia Flamigni, Ana I. Oliva, Pablo Ballester, Maryline Beyler, Valérie Heitz, Jean-Pierre Sauvage.**

Photoinduced processes in self-assembled supramolecular complexes based on porphyrins

**IX Congresso Nazionale di Chimica Supramolecolare, 6-9 Settembre 2009, Parma, Italy. Proceedings p.OC5**

**117. B. Ventura, L. Flamigni, D. T. Gryko, B. Kozarna**

Free-base corroles: promising chromophores for singlet oxygen generation

**Photodynamic therapy and Photodiagnosis in Clinical Practice, October 7-11 2008. Bressanone, Italy. Poster session CH.15**

**116. Lucia Flamini, Jean- Paul Collin, Jean-Pierre Sauvage**

Iridium terpyridine as functional assembling units in arrays for charge separation

**XXII IUPAC Symposium on Photochemistry 2008, July 28- August 1. Gothenburg, Sweden. Abstract p.74**

**115. Barbara Ventura , Lucia Flamigni, Mariusz Tasiar, Daniel T. Gryko, Thomas Becherer, Heinz Langhals**

Corrole based arrays for photoinduced energy and electron transfer

**Convegno nazionale di Fotochimica 2008, 5-7 giugno 2008. Bertinoro (FC). Atti p.28**

**114. Barbara Ventura, Lucia Flamigni, Ana I. Oliva, Pablo Ballester**

Energy and electron transfer processes in self-assembled cages with Zn trisporphyrin and free-base porphyrins or perylene bisimides

**IV Convegno nazionale Congiunto di Fotobiologia e Fotochimica PhotoBioChem'07 -6-9 Giugno 2007. Acquafredda di Maratea (Italy). Atti p.SL23**

**113. Barbara Ventura, Fabio Lodato, David L. Officer, Lucia Flamigni.**

Photoinduced energy transfer in highly conjugated porphyrinic dyads.

**Convegno Nazionale di Fotochimica 2006, 14-16 Dicembre 2006, Salice Terme (PV). Abstracts p.8**

**112. M. Tasiar, B. Ventura, L. Flamigni and D. T. Gryko**

The synthesis and photophysical properties of corrole dyad.

**4th International Conference on Porphyrins and Phthalocyanines. 2-7 Luglio 2006. Roma. Journal of Porphyrins and Phthalocyanines, 2006, 10, 895**

**111. L. Flamigni**

Photoinduced Charge Separation in Multi-Component Molecular Arrays

**Molecular Photochemistry and Photophysics- FNRS Contact Group. 23 Settembre 2005. Bruxelles. Program and Abstracts p.3**

**110. Andrea Barbieri, Barbara Ventura, Lucia Flamigni, Francesco Barigelletti, Gerda Fuhrmann, Peter Bäuerle, Sébastien Goeb, and Raymond Ziessel.**

Length Dependent Energy Transfer in Ruthenium Polypyridine End -Capped Oligothiophene Nanowires.

**VII Congresso Nazionale di Chimica Supramolecolare. 4-7 Settembre 2005, Firenze. Proceedings C4.**

**109. B. Ventura, A. M. Talarico, L. Flamigni**

New Versatile Bis-porphyrin Tweezers for the Assembly of Non-Covalent Photoactive Architectures: a Photophysical Characterization of the Tweezers and of their Associates with Dipyrindyl Porphyrins.

**VII Congresso Nazionale di Chimica Supramolecolare. 4-7 Settembre 2005, Firenze. Proceedings C7.**

**108. L. Flamigni**

Photoinduced Processes in Porphyrin-Based Multi-Component Arrays.

**1 st Meeting of the Working Group Cost Action D31/0003/04. 20-22 May 2005. Grado (Italy). Book of Abstract p. 6.**

**107. L. Flamigni**

Photoinduced electron transfer in interlocked structures containing porphyrins

**Third International Conference on Porphyrins and Phthalocyanines, 11-16 July 2004, New Orleans (Louisiana, U.S.A.). 107.**

**Journal of Porphyrins and Phthalocyanines, 2004, 8, 376.**

**106. L. Flamigni**

Energy and Electron transfer in non-Covalently linked, porphyrin based, multi-component arrays.

**XVth Winter Conference of the Inte-American Photochemical Society. 1-4 January 2004 Tempe (Arizona, USA). Lecture Abstract p. 37.**

**105. A. M. Talarico, J.-C. Chambron, V. Heitz, M. Linke, N. Fujita, J.-P. Sauvage, L. Flamigni**

Photoinduced electron transfer in multiporphyrinic interlocked structure: effect of topology on the electron transfer path.

**VI Congresso Nazionale di Chimica Supramolecolare, September 7-10, 2003. Urbino, Italy. Atti del Convegno pp. 203-204.**

**104. B. Ventura, A. M. Talarico, G. Marconi, N. Solladie, C. Sooambar, L. Flamigni**

New porphyrin based multi-component arrays for photoinduced energy transfer.

**VI Congresso Nazionale di Chimica Supramolecolare, September 7-10, 2003. Urbino, Italy.** Atti del Convegno pp. 209-210.

**103. A. M. Talarico, J.-C. Chambron, V. Heitz, M. Linke, N. Fujita, J.-P. Sauvage, L. Flamigni**

Photoinduced electron transfer in multiporphyrinic interlocked structure: effect of topology on the electron transfer path.

**EPA Summer School "New Perspectives in Photochemistry" June 28-July 2, 2003. Egmond aan Zee. The Netherlands.** Book of abstracts p.73.

**102. L. Flamigni, A. M. Talarico, J.-C. Chambron, V. Heitz, M. Linke, N. Fujita, J.-P. Sauvage.**

Photoinduced electron transfer in multiporphyrinic interlocked structures.

**VI Convegno "Complex Systems: structure, properties, reactivity and dynamics" June 10-13 2003. Bologna .**Book of Abstracts p. 101.

**101. L. Flamigni**

Photoinduced Energy Transfer and Charge Separation in Porphyrin-Based Multi-Component Arrays.

**203 Electrochemical Society Meeting, April 27-May 2, 2003. Paris France.** Section R10: "Porphyrins and Supramolecular Assemblies", Communication 1545. .Meeting Abstracts volume on CD.

**100. E. Iengo, E. Zangrando, E. Alessio, V. Heitz, J.-P. Sauvage, J.-C. Chambron, L. Flamigni.**

Assembly of a multiporphyrin macrocycle.

**XII International Symposium on Supramolecular Chemistry. October 6-11, 2002. Eilat (Israel).** Programs and Abstracts P21

**99. E. Iengo, E. Zangrando, E. Alessio, V. Heitz, J.-P. Sauvage, J.-C. Chambron, L. Flamigni.**

Assembly of a functionalized multiporphyrin macrocycle.

**Euresco Conferences on Supramolecular Chemistry: Molecular Rods, Wires and Switches. San Felieu (Spain) 14-19 September.** Book of Abstracts p. 94.

**98. E. Iengo, E. Zangrando, E. Alessio, V. Heitz, J.-P. Sauvage, J.-C. Chambron, L. Flamigni.**

Assembly of a multiporphyrin macrocycle.

**Euresco Conferences on Inorganic Chemistry: The Inorganic Side of Molecular Architecture. San Felieu (Spain) 31 August-5 September 2002.** No book of abstract.

**97. L. Flamigni, A. M. Talarico, F. Barigelletti, M. R. Johnston.**

Energy and electron transfer in non-covalent assemblies based on a V-shaped bisporphyrin cavity.

**Second International Conference on Porphyrins and Phtalocyanines, Kyoto (Japan) 30 June-5 July 2002.** Book of Abstracts p. 196

**96. A. M. Talarico, L. Flamigni, M. J. Gunter, M. R. Johnston, T. P. Jaynes.**

Photoinduced electron transfer in the host-guest complexes of strapped porphyrins with paraquat and in the related catenanes.

**XIX IUPAC Symposium on Photochemistry, Budapest 14-19 July 2002.** Book of Abstracts p.445

**95. L. Flamigni, B. Ventura, A. M. Talarico**

Porphyrin based multi-component arrays for photoinduced charge separation

**XIX IUPAC Symposium on Photochemistry, Budapest 14-19 July 2002.** Book of Abstracts p.216

**94. L. Flamigni**

Multi-Component Porphyrinic Arrays for Photoinduced Charge Separation.

**5°Congresso nazionale di Chimica Supramolecolare. Frascati 30 Settembre-3Ottobre 2001.** Atti del Convegno, SL14

**93. A. M. Talarico, L. Flamigni, M. R. Johnston**

Photoinduced electron and energy transfer in non-covalently linked donor-acceptor systems base on a bis-Porphyrin clamp.

**5°Congresso nazionale di Chimica Supramolecolare. Frascati 30 Settembre-3Ottobre 2001.** Atti del Convegno, PO 69

**92. L. Flamigni, M. R. Johnston**

Photoinduced electron transfer in non-covalently linked donor-acceptor systems.

**Joint Meeting of the Italian, French and Swiss Photochemistry Groups. Lausanne 25-27 February, 2001.** Book of Abstracts, P7

**91. S. Encinas, L. Flamigni, F. Barigelletti, K. L. Bushell, S. M. Couchman, J. C. Jeffery, M. D. Ward.**

Switching of the inter-component photoinduced electron- and energy-transfer properties of a Ru(II)-azacrown-Re(I) complex.

XVIII IUPAC Symposium on Photochemistry. Dresden 22-27 July, 2000. Book of abstracts p.91

90. L. Flamigni.

Charge separation and energy transfer in multicomponent porphyrinic arrays.

XVIII IUPAC Symposium on Photochemistry. Dresden 22-27 July, 2000. Book of abstracts, p. 36

89. M. Lynke, J.-C. Chambron, V. Heitz, J.-P. Sauvage, M. Andersson, J. Davidsson, L. Hammarstrom, S. Encinas, F. Barigelletti, L. Flamigni.

Porphyrin containing [2]-rotaxanes as systems undergoing photoinduced electron transfer between non-covalently linked porphyrins.

First international Conference on Porphyrins and Phtalocyanins. Dijon, France 25-30 June 2000. Post.423

88. N. Armaroli, F. Barigelletti, L. Flamigni, G. Marconi, S. Monti, V. Vicinelli, J.-F. Nierengarten, F. Diederich.

Sistemi molecolari e supramolecolari fotoattivi contenenti fullerene C<sub>60</sub>.

Convegno Annuale GIF-GIDF. Ferrara, 3-4 dicembre 1999. Libro degli atti

87. F. Puntoriero, L. Flamigni, S. Encinas, F. Barigelletti, F. M. MacDonnell, M.-J. Kim, S. Campagna.

Excited state interconversion between emissive MLCT levels in a dinuclear Ru(II) complex containing a bridging ligand with an extended  $\pi$  system.

Convegno Annuale GIF-GIDF. Ferrara, 3-4 dicembre 1999. Libro degli atti

86. F. Barigelletti, L. Flamigni.

Photoactive wires based on metal complexes.

4<sup>o</sup> Congresso Nazionale di Chimica Supramolecolare. Catania. 5-8 Settembre 1999. Proceedings p.20

85. S. Serroni, F. Puntoriero, S. Campagna, L. Flamigni, S. Encinas, F. Barigelletti, M.-J. Kim, F. M. MacDonnell.

Oligonuclear ruthenium(II) containing tetra(pyridyl)pyrazine-type bridging ligands. photophysical and redox properties.

4<sup>o</sup> Congresso Nazionale di Chimica Supramolecolare. Catania. 5-8 Settembre 1999. Proceedings p.101

84. S. Serroni, F. Puntoriero, S. Campagna, L. Flamigni, S. Encinas, F. Barigelletti, M.-J. Kim, F. M. MacDonnell.

Luminescence properties and redox behaviour of dinuclear and tetranuclear ruthenium (II) complexes containing tetra(pyridyl)pyrazine-type bridging ligands.

13<sup>th</sup> ISPPCC, Isle of Lipari, Italy . 26 June- July 1 1999. Proceedings p.101

83. S. Encinas, F. Barigelletti, L. Flamigni, J.-C. Chambron, V. Heitz, M. Linke, J.-P. Sauvage.

Photoinduced processes in a mechanically linked multi-porphyrinic [2]-rotaxane.

13<sup>th</sup> ISPPCC, Isle of Lipari, Italy . 26 June- July 1 1999. Proceedings p.118

82. S. Encinas, F. Barigelletti, L. Flamigni, N. Armaroli, M. D. Ward, N. C. Fletcher.

Solvent modulation of Ru $\rightarrow$ Os energy transfer.

13<sup>th</sup> ISPPCC, Isle of Lipari, Italy . 26 June- July 1 1999. Proceedings p.120

81. J.-P. Collin, I.M. Dixon, J.-P. Sauvage, F. Barigelletti, L. Flamigni.

Photoinduced charge separation in porphyrinic diads and triads assembled around Iridium (III).

13<sup>th</sup> ISPPCC, Isle of Lipari, Italy . 26 June- July 1 1999. Proceedings p.23

80. S. Encinas, N. Armaroli, L. Flamigni, F. Barigelletti, E. R. Schofield, E. C. Constable.

Luminescent molecular wires with 2,5-thienyl spacers linking [Ru(tpy)<sub>2</sub>] and [Os(tpy)<sub>2</sub>] units.

IV Congreso de Fotoquímica. En Gandia (Spain). 21-24 March 1999. Libro de resúmenes O-2

79. L. Flamigni, N. Armaroli, F. Barigelletti.

Photoinduced processes in supramolecular arrays based on transition metal complexes.

First COST D11 Workshop on Supramolecular Chemistry. Perugia (Italy). 1-4 October 1998. Proceedings p. 48

78. F. Barigelletti, L. Flamigni, N. Armaroli.

Energy transfer in nanometric systems based on transition metal complexes.

1st International Conference on Supramolecular Science & Technology. Zakopane, Poland. 27 September-3rd October 1998. Abstracts p. 66

77. N. Armaroli, L. Flamigni, V. Vicinelli, V. Balzani, D. Cardenas, P. Gavina, C. Dietrich-Buchecker, J.-P. Sauvage.

Supramolecular photochemistry playing with catenates and rotaxanes.

**1st International Conference on Supramolecular Science & Technology. Zakopane, Poland. 27 September-3rd October 1998.** Abstracts p. 54

**76. L. Flamigni.**

Photoinduced processes in multicomponent arrays containing transition metal complexes.

**XXXIII International Conference on Coordination Chemistry. Florence (Italy) August 30- September 4, 1998.** Book of Abstracts p. 62

**75. C. M. White, M. Ward, D. Bardwell, L. Rees, J. Jeffery, N. Simpson, F. Barigelletti, N. Armaroli, G. Calogero, L. Flamigni.**

Hydrogen-bonding as a pathway for photo-induced energy transfer.

**XXXIII International Conference on Coordination Chemistry. Florence (Italy) August 30- September 4, 1998.** Book of Abstracts p.212

**74. E. N. Ushakov, F. Barigelletti, L. Flamigni, V. Balzani, O. A. Fedorova, S. P. Gromov, M. V. Alfimov.**

Effect of Barium cations on photophysical properties of crown-containing bisstyryl dyes.

**17th IUPAC Symposium on Photochemistry. Sitges (Barcelona, Spain) 19-24 July 1998.** Book of Abstracts: PB-61

**73. B. Ventura, N. Armaroli, F. Barigelletti, L. Flamigni, J. A. G. Williams, J.-P. Collin, J.-P. Sauvage.**

Photoinduced processes in supramolecular structures containing porphyrins and polypyridine-Ru(II) complexes.

**1st GAIPHOS, Joint meeting of the German, Austrian, Italian Sections of EPA. Badgastein, Austria 1-5 March 1998.** Book of Abstracts: L.12

**72. N. Armaroli, F. Barigelletti, G. Calogero, L. Flamigni, M. D. Ward, C. M. White.**

Assemblies driven by hydrogen bonding of ruthenium- and osmium-polypyridyl complexes.

**3° Congresso Nazionale di Chimica Supramolecolare. Rimini, 7-10 Settembre 1997.** Proceedings p. 100

**71. N. Armaroli, L. Flamigni, F. Barigelletti, G. Marconi, F. Diederich, J.-F. Nierengarten, C. O. Dietrich Bucheker, J.-P. Sauvage.**

Photoinduced processes in a copper(I)-complexed rotaxane with two fullerene stoppers.

**3° Congresso Nazionale di Chimica Supramolecolare. Rimini, 7-10 Settembre 1997.** Proceedings p. 96

**70. B. Ventura, N. Armaroli, L. Flamigni, V. Balzani, A. Ivoireil, J.-P. Sauvage.**

A new light induced molecular switch.

**3° Congresso Nazionale di Chimica Supramolecolare. Rimini, 7-10 Settembre 1997.** Proceedings p. 147

**69. F. Barigelletti, M. D. Ward, N. Armaroli, D. A. Bardwell, G. Calogero, L. Flamigni, J. C. Jeffery, L. H. Rees, C. M. White.**

Assemblies of luminescent ruthenium - and osmium-polypyridyl complexes based on hydrogen bonding.

**12th International Symposium on Photochemistry & Photophysics of Coordination Compounds, Saint Michael's College, Vermont, USA. June 28-July 3, 1997.** Abstracts: L39

**68. L. De Cola, P. Belsler, V. Balzani, F. Barigelletti, L. Flamigni.**

Intercomponent energy and electron transfer in rigid systems.

**XVI IUPAC Symposium on Photochemistry. Helsinki, Finland. 21-26 July 1996.** Book of Abstracts p.55

**67. F. Barigelletti, L. Flamigni, M. Guardigli, G. Calogero, M. D. Ward, R. Clery, D. A. Baldwin, J. C. Jeffery.**

Transfer of excitation energy between Ru- and Re-based chromophores bridged by an asymmetric quaterpyridine ligand.

**XXI International Symposium on Macrocyclic Chemistry. Montecatini Terme 23-28 June 1996.** Proceedings p.78

**66. R. Ballardini, F. Barigelletti, P. Bortolus, L. Flamigni, M. Guardigli, G. Marconi, S. Sortino, S. Monti.**

Fotoreattività, trasferimento di elettroni e di energia, processi catalitici in sistemi contenenti recettori macrociclici e strutture polimetalliche.

**XIX Congresso Nazionale della SCI. Ricerca e Tecnologia. Riccione 9-14 Giugno 1996.** Atti del Congresso p. PS1-20

**65. L. Flamigni, F. Barigelletti, N. Armaroli, V. Balzani, J.-P. Collin, J.-O. Dalbavie, V. Heitz, J.-P. Sauvage.**

Processi di trasferimento di energia ed elettroni in diadi contenenti una porfirina ed un complesso terpiridinico di Rutenio.

**Secondo Convegno Nazionale congiunto di Fotobiologia e Fotochimica. Maratea 2-4 Giugno 1996.** Libretto degli Abstracts, pag. G10

**64. M. Guardigli, F. Barigelletti, L. Flamigni, M. Ward.**

Effetto del pH sulla luminescenza di complessi di Ru(II) ed Os(II) contenenti una quaterpiridina asimmetrica.

**Convegno Annuale GIF-GDF. Bologna 26-27 Ottobre 1995.** Libro degli Atti

**63. F. Barigelletti, L. Flamigni, M. Guardigli, A. Juris, M. Beley, S. Chodorowski-Kimmes, J.-P. Collin, J.-P. Sauvage.**  
Photoinduced energy transfer in nanometric rod-like Ru(II)/Os(II) dinuclear complexes.

**VI Meeting on Syntheses and Methodologies in Inorganic Chemistry. Bressanone-Brixen. 18-21 December 1995.** Book of Abstracts , p.53

**62. F. Barigelletti, L. Flamigni, M. Guardigli, A. Juris, M. Beley, S. Chodorowski-Kimmes, J.-P. Collin, J.-P. Sauvage.**

Photoinduced processes in rod-like Ru(II)/Os(II) dinuclear complexes with biscyclometalating bridging ligands containing a variable number of phenylene units.

**11th International Symposium on the Photochemistry and Photophysics of Coordination Compounds. Krakow, Poland. 9-13 July 1995.** Book of abstract p. 60

**61. L. De Cola, P. Belser, V. Balzani, F. Barigelletti, S. Flamigni, S. Bernhard, A. Von Zelewsky.**

Photoinduced processes in dinuclear rod-like complexes. **11th International Symposium on the Photochemistry and Photophysics of Coordination Compounds. Krakow, Poland. 9-13 July 1995.** Book of abstract p. 48

**60. F. Barigelletti, L. Flamigni, V. Balzani, J.-P. Collin, J.-P. Sauvage, A. Sour.**

Ru/Os dinuclear complexes for the study of long distance intramolecular energy transfer. **Il Congresso Nazionale di Chimica Supramolecolare. Perugia. 7-9 September 1994.** Proceedings p.65

**59. L. Flamigni.**

Inclusion complexes of rose bengal and erythrosin B. A spectroscopic, photophysical and photochemical study.

**XV IUPAC Symposium on Photochemistry. Praga. 17-22 July 1994.** Book of Abstracts p.40

**58. F. Barigelletti, L. Flamigni, V. Balzani, J.-P. Collin, J.-P. Sauvage, A. Sour, E.C. Constable, A. M. W. Cargill Thompson.**  
Ru/Os dinuclear complexes for the study of long distance intramolecular energy transfer.

**Convegno Nazionale congiunto di Fotobiologia e Fotochimica. Volterra 6-7 Giugno 1994.** Libretto degli abstracts 6G

**57. L. Flamigni.**

Inclusion complexes of rose bengal and erythrosin B. A photophysical and photochemical study.

**Convegno Nazionale congiunto di Fotobiologia e Fotochimica. Volterra 6-7 Giugno 1994.** Libretto degli abstracts 9P

**56. L. De Cola, V. Balzani, F. Barigelletti, L. Flamigni, P. Belser, A. von Zelewsky, F. Vogtle.**

Rigid rod-like dinuclear metal complexes: photoinduced processes.

**Central European Photochemistry Conference. Krems (Austria). October 3-6, 1993.** Book of Abstracts p.57

**55. L. Flamigni.**

Inclusion Complexes of fluoresceines. A ground and excited state study.

**Central European Photochemistry Conference. Krems (Austria). October 3-6, 1993.** Book of Abstracts p. 19

**54. F. Barigelletti, L. Flamigni, V. Balzani, J.-P. Collin, J.-P. Sauvage, A. Sour, E. C. Constable, A. M. W. Cargill Thomson**  
Photoinduced energy transfer through phenyl bridges in rod-like binuclear Ru(II)/Os(II) terpyridine complexes.

**XXII Congresso Nazionale di Chimica Inorganica. Villasimius (Sardegna) 26 Settembre-1 Ottobre 1993.** .Atti p. 203

**53. L. De Cola, V. Balzani, F. Barigelletti, L. Flamigni, P. Belser, A. von Zelewsky, M. Frank, F. Vogtle.**

Rigid rod-like dinuclear metal complexes.

**NATO Workshop . Self- Reproduction of Supramolecular Structures. Maratea, Italy 12-16 September 1993.** Atti p. 39

**52. L. De Cola, V. Balzani, F. Barigelletti, L. Flamigni, P. Belser, A. von Zelewsky, M. Frank, F. Vogtle.**

Energy and electron transfer processes in dinuclear complexes containing rigid bridging ligands.

**XXVI Congresso Nazionale di Chimica Fisica. Rimini 27-30 Settembre 1993..** Atti p. 121

**51. L. Flamigni.**

Photophysical and photochemical properties of the inclusion complexes of fluoresceines with cyclodextrins.

**XXVI Congresso Nazionale di Chimica Fisica . Rimini 27-30 Settembre 1993.** Atti p.121

**50. F. Barigelletti, L. Flamigni, V. Balzani, J.-P. Collin, J.-P. Sauvage, A. Sour, E. C. Constable, A. M. W. Cargill Thompson.**  
Intramolecular energy transfer through phenyl bridges in rod-like binuclear Ru(II)/Os (II) terpyridine complexes.

**Tenth International Symposium on the Photochemistry and Photophysics of coordination compounds. Sendai, Japan. July 25-30 1993. Abstracts p. 31**

**49. L.Flamigni**

Inclusion complexes of xanthene dyes with cyclodextrins. Induced circular dichroism and picosecond time-resolved fluorescence.  
**XVII Congresso Nazionale della Societa' Chimica Italiana. Genova 25-30 Ottobre 1992. Atti parte prima, p.399**

**48. L.Flamigni**

A study of photoinduced processes on xanthene dyes in microheterogeneous aqueous system  
**14 th IUPAC Symposium on photochemistry. Leuven, Belgium, 19-25 July 1992. Abstracts p. 186-187**

**47. L. Flamigni.**

Photophysical and photochemical properties of the xanthene dye erythrosin B in microheterogeneous systems.  
**Mediterranean Meeting on Photochemistry. Acireale, Catania, 28-31 Ottobre 1991.**  
Abstracts, p.99

**46. L. Flamigni.**

Laser flash photolysis investigations in Xanthene dyes.  
**Congresso dei gruppi Interdivisionali della Societa' Chimica Italiana. Chianciano Terme, 6-11 Ottobre 1991. Atti, vol.I, p.321-322**

**45. F. Barigelletti, L. Flamigni, L. De Cola, V. Balzani, J.-P. Collin, S. Guillerez, J.-P. Sauvage.**

Photoinduced charge separation in dyads and triads containing a Ruthenium(II)- or Osmium(II)-bis-terpyridine photosensitizer covalently linked to electron donor and acceptor groups.  
**Ninth International Symposium on the Photochemistry and Photophysics of coordination compounds. Fribourg, 14-19 July 1991. Abstracts, p. 36**

**44.P.Bortolus, N. Camaioni, L. Flamigni, F. Minto, S. Monti, A. Faucitano.**

Photostabilization mechanism of HALS: interaction with singlet and triplet anthracene.  
**XV-th International Conference on Photochemistry. Paris, France 28 July- 2 August 1991.**  
Recueil des communications, III,63

**43. F. Barigelletti, L.Flamigni, L.De Cola, V. Balzani,J.-P. Collin, S. Guillerez, J.-P. Sauvage.**

Photoinduced processes in diads and triads containing a Ruthenium(II)- or Osmium(III)-bis-terpyridine photosensitizer covalently linked to electron donor and acceptor groups.  
**European Research conference on Inorganic Chemistry: Electron Transfer Processes and Modeling the properties of Inorganic Compounds. Il Ciocco, Castelvechio Pascoli, 1-5 April 1991**

**42. L. Flamigni.**

Pulsed laser investigations of xanthene dyes in alcoholic matrices.  
**XXIV Congresso Nazionale di Chimica Fisica. Potenza, 8 Ottobre. Maratea 9-12 Ottobre 1990. Atti p.150**

**41. F. Barigelletti, L.De Cola, L. Flamigni, V. Balzani, J.-P.Collin, S. Guillerez, J.-P. Sauvage.**

Photophysical and electrochemical properties of triads containing a central chromophore of the Ru(trpy)<sub>2</sub><sup>2+</sup>.  
**Congresso Interdivisionale della Societa' Chimica Italiana.S. Benedetto del Tronto, 30 Settembre-5 Ottobre 1990. Atti p.475**

**40. P. Di Marco, G.Giro, V.Fattori, L.Flamigni, J.Kalinowski.**

Photoconducting properties of linear trans-quinacridone.  
**Gordon Conference on Electronic Processes in Organic Materials. New England . July 1990**

**39. L. Flamigni.**

Biphotonic processes in the photochemistry of xanthene dyes.  
**XIII IUPAC Symposium on Photochemistry. University of Warwick, Coventry, England. 22-28 July 1990. Abstracts P152**

**38. F.Barigelletti, L.De Cola, L.Flamigni, V. Balzani, J.-P.Collin, S. Guillerez, J.-P. Sauvage.**

Photoinduced processes in Triads containing a central chromophore of the Ru(trpy)<sub>2</sub><sup>2+</sup> type.  
**Eighth International Conference on Photochemical conversion and Storage of Solar Energy. Palermo, 15-20 July 1990.**  
Book of abstracts p.84

**37. S.Monti, L.Flamigni, N.Camaioni, P.Bortolus.**

Fotochimica in cavita' di ciclodestrine.

**V Convegno Nazionale Societa' Italiana di Ricerca sulle Radiazioni. Roma, 12-14 Ottobre 1989.** Riassunti E4

**36. L.Flamigni, N.Camaioni, M.Gleria, F.Minto, P.Bortolus.**

Excimeric interactions in naphthalene appended to poly-phosphazenes. Detection of triplet excimers.

**GIF-GPF Joint Meeting. La Baume-les-Aix (France). 25-28 Ottobre 1989.** Abstracts p.160-161

**35. L.Flamigni, N.Camaioni, M.Gleria, F.Minto, P.Bortolus.**

Excimeric interactions in naphthalene appended polyphosphazenes. Detection of triplet excimers.

**XXIII Congresso Nazionale di Chimica Fisica. Perugia 7-11 Ottobre 1989.** Programmi e riassunti p.151

**34. L.Flamigni, N.Camaioni, M.Gleria, F.Minto, P.Bortolus**

Excimeric interactions in naphthalene appended poly-phosphazenes. Detection of triplet excimers.

**Congresso Interdivisionale della Societa' Chimica Italiana. Perugia 7-11 Ottobre 1989.**

Atti p.567

**33. L.Flamigni, N. Camaioni, M. Gleria, F. Minto, P. Bortolus.**

Naphthalene triplet excimers in polyorganophosphazenes polymers in solution.

**XVI International Conference on Photochemistry. Beijing, 21-26 August, 1989.** Advances in Photochemistry ,p.310

**32. L. Flamigni, E. Venuti, N. Camaioni, F. Barigelletti.**

Temperature effect on solute-solvent interactions as probed by the luminescence of resorufin.

**XII IUPAC Symposium on Photochemistry. Bologna, 17-23 July 1988.** Abstracts p.304

**31. M. Gleria, F. Minto, L. Flamigni, P. Bortolus.**

Energy transfer processes as a method for the photostabilization of poly/bis(4-benzoylphenoxy)/phosphazene.

**XII IUPAC Symposium on Photochemistry. Bologna, 17-23 July 1988.** Abstracts p.141-142

**30. M. Gleria, F. Minto, L. Flamigni, P. Bortolus.**

Photochemistry and photostabilization of poly/bis(4-benzoylphenoxy)/phosphazene.

**IUPAC 32nd Symposium on Macromolecules. Kyoto (Japan) 1-6 August 1988.** Preprints p. 670

**29. M. Gleria, F. Minto, L. Flamigni, P. Bortolus.**

Photostabilization of poly(bis(4-benzoylphenoxy)) phosphazene by energy transfer processes.

**VIII Convegno italiano di scienza delle macromolecole. Milano 19-21 October 1987.**

Comunicazioni poster p.429-431.

**28. P. Bortolus, L. Flamigni, S. Monti.**

Silver ion perturbation of azobenzene cis-trans photoisomerization.

**Conference on Photochemistry. Como, 14-16 September 1987.** Abstracts, P6

**27. P. Bortolus, L. Flamigni, S. Monti, M. Bolte, G. Guyot.**

The silver(I) catalysis of azobenzene photoisomerization.

**XIIIth International Conference on Photochemistry. Budapest (Hungary) 9-14 August 1987.** Abstracts, vol.II, p. 410-411

**26. P. Bortolus, L. Flamigni, S. Monti.**

The photochemistry of the benzophenone-cyclodextrin inclusion compounds.

**EUCHEM Conference on Microaggregates in Homogeneous Solution. Reactivity and Structure. Assisi, 8-12 June 1987.** Final

program p.11

**25. L. Flamigni, G. Orlandi.**

Two-photon excitation studies on the decay of  $S^1$  state in alkanes.

**VI Tihany Symposium on Radiation Chemistry. Balatonszeplak, Hungary, 21-26 September 1986.** Abstracts p.35

**24. M. Gleria, F. Minto, L. Flamigni, P. Bortolus.**

Photochemistry of poly(bis(4-benzoyl-phenoxy)phosphazene in solution.

**XI IUPAC Symposium on Photochemistry. Lisboa 27 July-1 August 1986.** Abstracts p.87

**23. P. Bortolus, L. Flamigni, S. Monti.**

Inclusion of benzophenone in cyclodextrins. A photophysical and photochemical investigation.

XI IUPAC Symposium on Photochemistry. Lisboa 27 July - 1 August 1986. Abstracts p. 333

**22. S. Monti, L. Flamigni.**

Intermedi in fenomeni riduttivi di coloranti azoici.

III Congresso Nazionale Societa' Italiana di ricerche sulle radiazioni. Milano 24-26 Ottobre 1985. Atti, p B2

**21. M. Gleria, F. Minto, L. Flamigni, S. Lora e P. Bortolus.**

Fotoreattivita' di poli/bis(4-benzoilfenossi)/fosfazene.

X Convegno Nazionale di Fotochimica. Marina di Ravenna, 30 Settembre-2 Ottobre 1985. Atti, P16

**20. S. Monti, L. Flamigni.**

Specie transienti prodotte dalla riduzione di azobenzeni sostituiti: uno studio mediante radiolisi ad impulsi in solventi alcolici.

X Convegno Nazionale di Fotochimica. Marina di Ravenna, 30 Settembre-2 Ottobre 1985. Atti, R7

**19. F. Barigelletti, S. Dellonte, L. Flamigni, G. Orlandi.**

Parametri di "tunneling" di idrogeno nella fotolisi degli alcani.

X Convegno Nazionale di Fotochimica. Marina di Ravenna, 30 Settembre - 2 Ottobre 1985. Atti, P9

**18. F. Barigelletti, P. Bortolus, L. Flamigni, C. Carlini.**

Metodi fotofisici nello studio della fotoiniziazione di polimerizzazione. Classe degli Acrilossibenzofenoni.

II Convegno Annuale Societa' Italiana di Ricerca sulle Radiazioni. Fermo (Ascoli Piceno) 5-7 September 1984. Atti B1

**17. S. Monti, L. Flamigni, S. Dellonte.**

Radiolisi ad impulsi di Azobenzeni sostituiti.

II Convegno Annuale Societa' Italiana di Ricerche sulle Radiazioni. Fermo (Ascoli Piceno) 5-7 September 1984. Atti F7

**16. G. Orlandi, S. Dellonte, F. Barigelletti, L. Flamigni.**

Mechanism of S<sup>1</sup> deactivation in alkanes.

XVI Informal Conference on Photochemistry. Harvard University, Massachusetts, 20-24 August 1984. Abstracts W-15

**15. L. Flamigni, M.A.J. Rodgers.**

Laser-flash-photolysis investigation of photoprocesses in Erythrosin B and other Xanthene dyes.

X IUPAC Symposium on Photochemistry. Interlaken, (Switzerland) 22-27 July, 1984. Proceedings p.517

**14. F. Barigelletti, S. Dellonte, L. Flamigni, G. Orlandi.**

Proprieta' fotofisiche degli alcani.

IX Convegno Nazionale di Fotochimica. Certosa di Pontignano (Siena) 28-30 September 1983. Atti p.20-21

**13. F. Barigelletti, P. Bortolus, L. Flamigni, C. Carlini.**

Proprieta' degli stati eccitati di Poliacrilossibenzofenoni.

IX Convegno Nazionale di Fotochimica. Certosa di Pontignano (Siena) 28-30 September 1983. Atti p.48

**12. L. Flamigni, F. Barigelletti, P. Bortolus, C. Carlini.**

Photophysics of poly(4-acyloxybenzophenone) and its model compound.

XIth International Conference on Photochemistry. College Park, (Maryland). 21-26 August 1983. Abstracts p.64

**11. F. Barigelletti, P. Bortolus, L. Flamigni, C. Carlini.**

Excited state properties of poly(4-acryloxybenzophenone) and model compound.

Polymer Photochemistry. Berlin (West Germany) 2-3 June 1983. Abstracts p.40

**10. S. Dellonte, F. Barigelletti, G. Orlandi, L. Flamigni.**

Intramolecular deactivation processes and energy transfer mechanism in liquid alkanes studied by nitrogen laser two-photon excitation.

5th Tihany Symposium on Radiation Chemistry. Siofok (Hungary) 19-24 September 1982. Abstracts p.37

**9. S. Monti, L. Flamigni, S. Dellonte, P. Bortolus.**

An investigation on the lowest excited triplet state properties of some azo dyes by energy transfer.

IX IUPAC Symposium on Photochemistry. Pau (France), 25-30 July 1982. Resume des communications p.244.-245

**8. G. Orlandi, L. Flamigni, F. Barigelletti, S. Dellonte.**

Photophysical properties of liquid alkanes studied by nitrogen laser two-photon excitation.

**International Symposium on the Fast Processes in Radiation Chemistry. Tokay-Mura, Tokyo (Japan) 8-10 February 1982.**

Abstracts p.25-27

**7. L. Flamigni, F. Barigelletti, S. Dellonte, G. Orlandi.**

Decadimento intramolecolare e trasferimento di energia in alcani liquidi.

**VII Convegno di Fotochimica. Gargnano (Brescia) 21-24 October 1981.** Atti p.19

**6.. F. Barigelletti, S. Dellonte, L. Flamigni, G. Orlandi.**

Photophysical properties of benzil.

**X International Conference on Photochemistry. Iraklion (Greece) 6-12 September 1981.**Journal of photochemistry p.23

**5. L. Flamigni, F. Barigelletti, S. Dellonte, G. Orlandi.**

On the intramolecular decay and energy transfer in liquid alkanes.

**X International Conference on Photochemistry. Iraklion (Greece) 6-12 September 1981.**Journal of photochemistry p.19-20

**4. F. Barigelletti, S. Dellonte, L. Flamigni, G. Orlandi.**

Proprieta' fotofisiche del benzile in soluzioni fluide.

**VI Convegno di Fotochimica. Ferrara 6-7 October 1980.** Atti p.52

**3. S. Dellonte, G. Orlandi, L. Flamigni, F. Barigelletti, E. Gardini, G. Mancini.**

Proprieta' fotofisiche di alcani.

**Programma Puls. Convegno degli utilizzatori delle linee di fotoemissione e di spettroscopia VUV. Frascati (Roma) 27-28 March 1980.** Sunti delle comunicazioni p.21

**2. G. Orlandi, S. Dellonte, E. Gardini, G. Mancini, F. Barigelletti, L. Flamigni.**

Dipendenza dalla temperatura della costante di trasferimento di energia del sistema decalina-benzene.

**V Convegno di Fotochimica. Montelibretti. (Roma).30-31 October 1979.** Atti p. 48

**1. F. Busi, L. Flamigni, G. Orlandi.**

Meccanismi di produzione di stati eccitati per bombardamento elettronico in idrocarburi saturi liquidi.

**X Congresso Nazionale Associazione Italiana di Chimica Fisica. Padova 20-24 October 1975.** Riassunti dei contributi e delle comunicazioni p.97

## **BREVETTI**

**3. H. Langhals, B. Boeck, L. Flamigni,**

**Angulare Benzoperylentetracarbonsäurebisimide als Triplett-Sensibilisatoren für Singulett-Sauerstoff.  
Ger. Offen. DE 102011109254-A1.**

**2. M.Gleria, F.Minto, L.Flamigni**

Derivati polifosfazenici contenenti gruppi carbonilici ed aminici terziari variamente alchilati.  
**21293A/89. European Patent n: 90113750.5-U.S.A. patent n.5,260,103.**

**1. M.Gleria , F. Minto, L.Flamigni**

Derivati polifosfazenici contenenti gruppi carbonilici adatti a processi di fotoreticolazione.  
**22631A/88. European Patent n: 89121063.5-. U.S.A. patent n.5,041,524.**