

## PAPERS IN INTERNATIONAL JOURNALS

1. Y. Troiez, A. D. Finke, F. Silvestri, F. Monti, B. Ventura, C. Boudon, J.-P. Gisselbrecht, W. B. Schweizer, J.-P. Sauvage, **N. Armaroli**, F. Diederich  
"Unconventional Synthesis of a Cu<sup>I</sup> Rotaxane with a Superacceptor Stopper: Ultrafast Excited-State Dynamics and Near-Infrared Luminescence"  
[Chem. Eur. J. 2018, 24, 10422-10433](#)
2. M. Mohankumar, M. Holler, E. Meichsner, J.-F. Nierengarten, F. Niess, J.-P. Sauvage, B. Delavaux-Nicot, E. Leoni, F. Monti, J. M. Malicka, M. Cocchi, E. Bandini, **N. Armaroli**  
"Heteroleptic Copper(I) Pseudorotaxanes Incorporating Macrocyclic Phenanthroline Ligands of Different Sizes"  
[J. Am. Chem. Soc. 2018, 150, 6291-6299](#)
3. P.-H. Lanoë, J. Chan, A. Groué, G. Gontard, A. Jutand, M.-N. Rager, **N. Armaroli**, F. Monti, A. Barbieri, H. Amouri  
"Cyclometalated N-heterocyclic carbene iridium(III) complexes with naphthalimide chromophores: a novel class of phosphorescent heteroleptic compounds"  
[Dalton Trans. 2018, 47, 3440-3451](#)
4. E. Matteucci, A. Baschieri, A. Mazzanti, L. Sambri, J. Ávila, A. Pertegás, H. J. Bolink, F. Monti, E. Leoni, **N. Armaroli**  
"Anionic Cyclometalated Iridium(III) Complexes with a Bis-Tetrazolate Ancillary Ligand for Light-Emitting Electrochemical Cells"  
[Inorg. Chem. 2017, 56, 10584-10595](#)
5. J. Mohanraj, A. Barbieri, **N. Armaroli**, M. Vizuete, F. Langa, B. Delavaux-Nicot, M. Vartanian, J. Iehl, U. Hahn, J.-F. Nierengarten  
"Efficient photoinduced energy- and electron-transfer in Zn<sup>II</sup>-Porphyrin / Fullerene dyads with interchromophoric distance up to 2.6 nm and no wire-like connectivity"  
[Chem. Eur. J. 2017, 23, 14200-14212](#)
6. A. Gualandi, D. Mazzarella, A. Ortega-Martínez, L. Mengozzi, F. Calcinelli, E. Matteucci, F. Monti, **N. Armaroli**, L. Sambri, P. G. Cozzi  
"Photocatalytic Radical Alkylation of Electrophilic Olefins by Benzylic and Alkyllic Zinc-Sulfonates"  
[ACS Catal. 2017, 7, 5357-5362](#)
7. A. Nano, M.P. Gullo, B. Ventura, A. Barbieri, **N. Armaroli**, R. Ziessel  
"Color-Tunable Heterodinuclear Pt(II)/B(III) and Pt(II)/Ir(III) Arrays with N<sup>^</sup>O-julolidine Ligands"  
[Inorg. Chem. 2017, 56, 4807-4817](#)
8. A. Gualandi, E. Matteucci, F. Monti, A. Baschieri, **N. Armaroli**, L. Sambri, P. G. Cozzi,

“Photoredox Radical Conjugate Addition of Dithiane-2-Carboxylate Promoted by an Iridium(III) Phenyl-Tetrazole Complex: A Formal Radical Methylation of Michael Acceptors”

[Chem. Sci. 2017, 8, 1613-1620](#)

9. T. Miletić, E. Pavoni, V. Trifiletti, A. Rizzo, A. Listorti, S. Colella, **N. Armaroli**, D. Bonifazi  
“Covalently functionalized SWCNTs as tailored p-type dopants for perovskite solar cells”  
[ACS Appl. Mater. Interfaces 2016, 8, 27966-27973](#)
10. A. Baschieri, F. Monti, E. Matteucci, A. Mazzanti, A. Barbieri, **N. Armaroli**, L. Sambri  
“A Mesoionic Carbene as Neutral Ligand for Phosphorescent Cationic Ir(III) Complexes”  
[Inorg. Chem. 2016, 55, 7912-7919](#)
11. A. Barbieri, E. Bandini, F. Monti, V. K. Praveen, **N. Armaroli**  
“The Rise of Near Infrared Emitters: Organic Dyes, Porphyrinoids and Transition Metal Complexes”  
[Top. Curr. Chem. 2016, 374, 47](#)
12. **N. Armaroli**, H. J. Bolink  
“Luminescence: The Never-Ending Story”  
[Top. Curr. Chem. 2016, 374, 44](#)
13. P.-H. Lanoë, J. Chan, G. Gontard, F. Monti, **N. Armaroli**, A. Barbieri, H. Amouri  
“Deep-Red Phosphorescent Iridium(III) Complexes with Chromophoric N-Heterocyclic Carbene Ligands: Design, Photophysical Properties, and DFT Calculations”  
[Eur. J. Inorg. Chem. 2016, 1631-1634](#)
14. L. Đorđević, T. Marangoni, F. De Leo, I. Papagiannouli, P. Aloukos, S. Couris, E. Pavoni, F. Monti, **N. Armaroli**, M. Prato, D. Bonifazi  
“[60]Fullerene–Porphyrin [n]-pseudorotaxanes: Self-Assembly, Photophysics and Third-Order NLO Responses”  
[Phys. Chem. Chem. Phys. 2016, 18, 11858-11868](#)
15. **N. Armaroli**, V. Balzani  
“Solar Electricity and Solar Fuels: Status and Perspectives in the Context of the Energy Transition”  
[Chem. Eur. J. 2016, 22, 32-57](#), 20<sup>th</sup> Anniversary Invited Review
16. F. Monti, A. Baschieri, E. Matteucci, A. Mazzanti, L. Sambri, A. Barbieri, **N. Armaroli**  
“A Chelating Diisocyanide Ligand for Cyclometalated Ir(III) Complexes with Strong and Tunable Luminescence”  
[Faraday Discuss. 2015, 185, 233-248](#)
17. F. Monti, A. Venturini, A. Nenov, F. Tancini, A. D. Finke, F. Diederich, **N. Armaroli**  
“Anilino-Substituted Multicyanobuta-1,3-diene Electron Acceptors: TICT Molecules with Accessible Conical Intersections”

[J. Phys. Chem. A 2015, 119, 10677-10683](#)

18. A. Kremer, C. Aurisicchio, F. De Leo, B. Ventura, J. Wouters, **N. Armaroli**, A. Barbieri, D. Bonifazi  
"Walking down the Chalcogenic Group of the Periodic Table: From Singlet to Triplet Organic Emitters"  
[Chem. Eur. J. 2015, 21, 15377-15387](#)
19. L. Đorđević, T. Marangoni, T. Miletić, J. Rubio-Magnieto, J. Mohanraj, H. Amenitsch, D. Pasini, N. Liaros, S. Couris, **N. Armaroli**, M. Surin, D. Bonifazi  
"Solvent Molding of Organic Morphologies Made of Supramolecular Chiral Polymers"  
[J. Am. Chem. Soc. 2015, 137, 8150-8160](#)
20. F. Monti, M. G. I. La Placa, **N. Armaroli**, R. Scopelliti, M. Grätzel, Md. K. Nazeeruddin, F. Kessler  
"Cationic Iridium(III) Complexes with Two Carbene-Based Cyclometalating Ligands: Cis Versus Trans Isomers"  
[Inorg. Chem. 2015, 54, 3031-3042](#)
21. A. Nano, M.P. Gullo, B. Ventura, **N. Armaroli**, A. Barbieri, R. Ziessel  
"Panchromatic Luminescence from Julolidine Dyes Exhibiting Excited State Intramolecular Proton Transfer"  
[Chem. Commun. 2015, 51, 3351-3354](#)
22. A. Kremer, E. Bietlot, A. Zanelli, J. M. Malicka, **N. Armaroli**, Davide Bonifazi,  
"Versatile Bisethynyl[60]fulleropyrrolidines Scaffolds for Mimicking Artificial Light-harvesting Photoreaction Centers"  
[Chem. Eur. J. 2015, 21, 1108-1117](#)
23. E. Pavoni, E. Bandini, M. Benaglia, J. K. Molloy, G. Bergamini, P. Ceroni, **N. Armaroli**  
"A Tailored RAFT Copolymer for the Dispersion of Single Walled Carbon Nanotubes in Aqueous Media"  
[Polym. Chem. 2014, 5, 6148-6150](#)
24. M. Mohankumar, F. Monti, M. Holler, F. Niess, B. Delavaux-Nicot, **N. Armaroli**, J.-P. Sauvage, J.-F. Nierengarten  
"Combining Topological and Steric Constraints for the Preparation of Heteroleptic Copper(I) Complexes"  
[Chem. Eur. J. 2014, 20, 12083-12090](#), [Cover Page Article](#)
25. F. Monti, A. Baschieri, I. Gualandi, J. J. Serrano-Pérez, J. M. Junquera-Hernández, D. Tonelli, A. Mazzanti, S. Muzzioli, S. Stagni, C. Roldan-Carmona, A. Pertegás, H. J. Bolink, E. Ortí, L. Sambri, **N. Armaroli**  
"Iridium(III) Complexes with Phenyl-tetrazoles as Cyclometalating Ligands"  
[Inorg. Chem. 2014, 53, 7709-7721](#)

26. J.-J. Cid, J. Mohanraj, M. Mohankumar, M. Holler, F. Monti, G. Accorsi, L. Karmazin-Brelot, I. Nierengarten, J. M. Malicka, M. Cocchi, B. Delavaux-Nicot, **N. Armaroli**, J.-F. Nierengarten  
 “Dinuclear Cu(I) Complexes Prepared from 2-diphenylphosphino-6-methylpyridine”  
[Polyhedron 2014, 82, 158-172](#)  
 Invited paper, Special Issue on Molecular Materials for Solar Energy Conversion
27. F. Monti, U. Hahn, E. Pavoni, B. Delavaux-Nicot, J.-F. Nierengarten, **N. Armaroli**  
 “Homoleptic and Heteroleptic Ru<sup>II</sup> Complexes with Extended Phenanthroline-based Ligands”  
[Polyhedron 2014, 82, 122-131](#)  
 Invited paper, Special Issue on Molecular Materials for Solar Energy Conversion
28. V. K. Praveen, C. Ranjith, E. Bandini, A. Ajayaghosh, **N. Armaroli**  
 "Oligophenylenevinylene Hybrids and Self-Assemblies: Versatile Materials for Excitation Energy Transfer"  
[Chem. Soc. Rev. 2014, 43, 4322-4342](#) Invited Review Article
29. A. Kaeser, O. Moudam, G. Accorsi, I. Séguy, J. Navarro, A. Belbakra, C. Duhayon, **N. Armaroli**, B. Delavaux-Nicot, J.-F. Nierengarten  
 “Homoleptic Copper(I), Silver(I), and Gold(I) Bisphosphine Complexes”  
[Eur. J. Inorg. Chem. 2014, 1345-1355](#)
30. V. K. Praveen, C. Ranjith, **N. Armaroli**  
 “White-light Emitting Supramolecular Gels”  
[Angew. Chem. Int. Ed. 2014, 53, 365-368](#) Highlight Article
31. K. Yoosaf, J. Iehl, I. Nierengarten, M. Hmadeh, A.-M. Albrecht-Gary, J.-F. Nierengarten, **N. Armaroli**  
 “A Supramolecular Photosynthetic Model Made of a Multi-Porphyrinic Array Constructed around a C<sub>60</sub> and a C<sub>60</sub>-imidazole Derivative”  
[Chem. Eur. J. 2014, 20, 223-231](#)  
 Back Cover Article – Highlighted on Angew. Chem. - Highlighted on Asian J. Org. Chem. – Highlighted in Chemistry Views
32. F. Tancini, F. Monti, K. Howes, A. Belbakra, A. Listorti, W. B. Schweitzer, P. Reutenauer, J.-L. Alonso-Gomez, C. Chiorboli, L. Urner, J.-P. Gisselbrecht, C. Boudon, **N. Armaroli**, F. Diederich  
 “Cyanobuta-1,3-dienes as Novel Electron Acceptors for Photoactive Multicomponent Systems”  
[Chem. Eur. J. , 2014, 20, 202-216](#)
33. A. Kaeser, M. Mohankumar, J. Mohanraj, F. Monti, M. Holler, J. J. Cid, O. Moudam, I. Nierengarten, L. Karmazin-Brelot, C. Duhayon, B. Delavaux-Nicot, **N. Armaroli**, J.-F. Nierengarten  
 “Heteroleptic Cu(I) Complexes Prepared from Phenanthroline and Bis-Phosphine Ligands”  
[Inorg. Chem. 2013, 52, 12140-12151](#)

34. J. M. Malicka, A. Sandeep, F. Monti, E. Bandini, M. Gazzano, C. Ranjith, V. K. Praveen, A. Ajayaghosh, **N. Armaroli**  
"Ultrasound Stimulated Nucleation and Growth of a Dye Assembly into Extended Gel Nanostructures"  
[Chem. Eur. J. 2013, 19, 12991-13001](#)  
[Cover Page Article](#), [HOT Paper](#), [Highlighted in Chemistry Views](#)
35. F. Monti, F. Kessler, M. Delgado, J. Frey, F. Bazzanini, G. Accorsi, **N. Armaroli**, H.J. Bolink, E. Ortí, R. Scopelliti, E. Baranoff, M. K. Nazeeruddin  
"Charged bis-cyclometalated iridium(III) complexes with Carbene-based Ancillary Ligands"  
[Inorg. Chem. 2013, 52, 10292-10305](#)
36. A. Baschieri, F. Sambri, I. Gualandi, D. Tonelli, F. Monti, A. Degli Esposti, **N. Armaroli**  
"Carbazole-terpyridine donor-acceptor luminophores"  
[RSC Adv. 2013, 3, 6507-6517](#)
37. J. Mohanraj, **N. Armaroli**  
"Luminophores and Carbon Nanotubes: An Odd Combination?"  
[J. Phys. Chem. Lett. 2013, 4, 767-778](#) [Invited Perspective Article](#)
38. E. C. Constable, C. E. Housecroft, M. Neuburger, P. Rösel, G. E. Schneider, J. A. Zampese, F. Monti, **N. Armaroli**, R. D. Costa, R. Casillas, E. Ortí  
"Ligand-Based Charge-Transfer Luminescence in Ionic Cyclometalated Iridium(III) Complexes Bearing a Pyrene-Functionalized Bipyridine Ligand: A Joint Theoretical and Experimental Study"  
[Inorg. Chem. 2013, 52, 885-897](#)
39. N. M. Shavaleev, F. Monti, R. Scopelliti, A. Baschieri, F. Sambri, **N. Armaroli**, M. Grätzel, M. K. Nazeeruddin  
"Extreme Tuning of Redox and Optical Properties of Cationic Cyclometalated Iridium(III) Isocyanide Complexes"  
[Organometallics 2013, 32, 460-467](#)
40. J.-J. Cid, J. Mohanraj, M. Mohankumar, M. Holler, G. Accorsi, L. BreLOT, I. Nierengarten, O. Moudam, A. Kaeser, B. Delavaux-Nicot, **N. Armaroli**, J.-F. Nierengarten  
"A stable and strongly luminescent dinuclear Cu(I) helical complex prepared from 2-diphenylphosphino-6-methylpyridine"  
[Chem. Commun. 2013, 49, 859-861](#) [Cover Page Article](#)
41. L. Maggini, T. Marangoni, J. M. Malicka, K. Yoosaf, B. Georges, A. Minoia, R. Lazzaroni, **N. Armaroli**, D. Bonifazi  
"Azobenzene-based supramolecular polymers for processing MWCNTs"  
[Nanoscale 2013, 6, 634-645](#)
42. C. Femoni, S. Muzzioli, A. Palazzi, S. Stagni, S. Zacchini, F. Monti, G. Accorsi, M. Bolognesi, **N. Armaroli**, M. Massi, G. Valenti, M. Marcaccio.

"New tetrazole-based Cu(I) homo- and heteroleptic complexes with various P<sup>^</sup>P ligands: synthesis, characterization, redox and photophysical properties"

[Dalton Trans. 2013, 42, 997-1010](#)

43. R. D. Costa, E. Orti, H. J. Bolink, F. Monti, G. Accorsi, **N. Armaroli**  
"Luminescent Ionic Transition-Metal Complexes for Light-Emitting Electrochemical Cells"  
[Angew. Chem. Int. Ed. 2012, 51, 8178-8211](#) [Invited Review Article](#)
44. L. Maggini, F.M. Toma, L. Feruglio, J.M. Malicka, T. Da Ros, N. Armaroli, M. Prato, D. Bonifazi  
"Luminescent blooming of dendronic carbon nanotubes through ion-pairing interactions with an Eu (III) complex"  
[Chem. Eur. J. 2012, 18, 5889-5897](#) [Cover Page Article](#)
45. M. Pawlicki, M. Morisue, N.K.S. Davis, D.G. McLean, J.E. Haley, E. Beuerman, M. Drobizhev, A. Rebane, A.L. Thompson, S.I. Pascu, G. Accorsi, N. Armaroli, H.L. Anderson  
"Engineering conjugation in para-phenylene-bridged porphyrin tapes"  
[Chem. Sci. 2012, 3, 1541-1547](#)
46. C. Ausiricchio, R. Marega, V. Corvaglia, J. Mohanraj, R. Delamare, D.A. Vlad, C. Kusko, C.A. Dutu, A. Minoia, G. Deshayes, O. Coulembier, S. Melinte, P. Dubois, R. Lazzaroni, **N. Armaroli**, D. Bonifazi  
"CNTs in optoelectronic devices: new structural and photophysical insights on porphyrin-DWCNTs hybrid materials"  
[Adv. Funct. Mater. 2012, 22, 3209-3222](#) [Cover Page Article](#)
47. N. M. Shavaleev, F. Monti, R. Scopelliti, **N. Armaroli**, M. Graetzel, M.K. Nazeeruddin  
"Blue Phosphorescence of Trifluoromethyl- and Trifluoromethoxy-Substituted Cationic Iridium(III) Isocyanide Complexes"  
[Organometallics 2012, 31, 6288-6296](#)
48. J. P. Johnpeter, J. Mohanraj, **N. Armaroli**, B. Therrien  
"Sawhorse-Type Tetracarbonyliruthenium Tweezers"  
[Eur. J. Inorg. Chem. 2012, 3449-3455](#)
49. N. M. Shavaleev, F. Monti, R. D. Costa, R. Scopelliti, H. J. Bolink, E. Ortí, G. Accorsi, **N. Armaroli**, E. Baranoff, M. Grätzel, M. K. Nazeeruddin  
"Bright Blue Phosphorescence from Cationic Bis-Cyclometalated Iridium(III) Isocyanide Complexes"  
[Inorg. Chem. 2012, 51, 2263-2271](#)
50. M. Baron, C. Tubaro, A. Biffis, M. Basato, C. Graiff, A. Poater, L. Cavallo, **N. Armaroli**, G. Accorsi  
"Blue-Emitting Dinuclear N-heterocyclic Dicarbene Gold(I) Complex Featuring a Nearly Unit Quantum Yield"

[Inorg. Chem. 2012, 51, 1778-1784](#)

51. R. D. Costa, F. Monti, G. Accorsi, A. Barbieri, H. J. Bolink, E. Orti, **N. Armaroli**,  
"Photophysical Properties of Charged Cyclometalated Ir(III) Complexes: A Joint  
Theoretical and Experimental Study"  
[Inorg. Chem. 2011, 50, 7229-7238](#)
52. A. Llanes-Pallas, K. Yoosaf, H. Traboulsi, J. Mohanraj, T. Seldrum, J. Dumont, A. Minoia, R.  
Lazzaroni, **N. Armaroli**, D. Bonifazi  
"Modular engineering of h-bonded supramolecular polymers for reversible  
functionalization of carbon nanotubes"  
[J. Am. Chem. Soc. 2011, 133, 15412-15424](#)
53. **N. Armaroli**, V. Balzani  
"Towards an electricity-powered world"  
[Energy Environ. Sci. 2011, 4, 3193-3222](#)
54. L. Maggini, J. Mohanraj, H. Traboulsi, A. Parisini, G. Accorsi, **N. Armaroli**, D. Bonifazi  
"A luminescent host-guest hybrid between an Eu(III) complex and MWCNTs"  
[Chem. Eur. J. 2011, 17, 8533-8537](#)  
Article highlighted on [Angew. Chem. Int. Ed. 2011, 50, 6952](#)
55. **N. Armaroli**, V. Balzani  
"The legacy of fossil fuels"  
[Chem. Asian J. 2011, 6, 768-784](#)
56. K. Yoosaf, A. Belbakra, A. Llanes-Pallas, D. Bonifazi, **N. Armaroli**  
"Engineering supramolecular photoactive nanomaterials by hydrogen bonding  
interactions"  
[Pure Appl. Chem. 2011, 83, 899-912](#)  
Invited Paper as Lecturer of the XXIII IUPAC Symposium on Photochemistry
57. T. Marangoni, S. A. Mezzasalma, A. Llanes-Pallas, K. Yoosaf, **N. Armaroli**, D. Bonifazi  
"Thermosolutal self-organization of supramolecular polymers into nanocraters"  
[Langmuir 2011, 27, 1513-1523](#)
58. D. M. Lyons, J. Mohanraj, G. Accorsi, **N. Armaroli**, P. D. W. Boyd  
"A supramolecular porphyrin-ferrocene-fullerene triad"  
[New. J. Chem. 2011, 35, 632-639](#)
59. K. Yoosaf, A. Llanes-Pallas, T. Marangoni, A. Belbakra, R. Marega, E. Botek, B. Champagne,  
D. Bonifazi, **N. Armaroli**  
"From molecular to macroscopic engineering: shaping H-bonded organic nanomaterials"  
[Chem. Eur. J. 2011, 17, 3262-3273](#)
60. L. Maggini, H. Traboulsi, K. Yoosaf, J. Mohanraj, J. Wouters, O. Pietraszkiewicz, M.  
Pietraszkiewicz, **N. Armaroli**, D. Bonifazi

"Electrostatically-driven assembly of MWCNTs with an europium complex"

[Chem. Commun. 2011, 47, 1625-1627](#)

61. J. Iehl, M. Holler, J.-F. Nierengarten, K. Yoosaf, J. M. Malicka, **N. Armaroli**, J.-M. Strub, A. Van Dorsseleer, B. Delavaux-Nicot

"Photoinduced energy transfer in a  $T_h$ -symmetrical hexakis-adduct of  $C_{60}$  substituted with  $\pi$ -conjugated oligomers"

[Aust. J. Chem. 2011, 64, 153-159](#)

62. U. Hahn, J.-F. Nierengarten, B. Delavaux-Nicot, F. Monti, C. Chiorboli, **N. Armaroli**

"Fullerodendrimers with a perylenediimide core"

[New. J. Chem. 2011, 35, 2234-2244](#)

Invited Paper, Themed Issue on Dendritic Molecular Nanostructures

63. J. Iehl, M. Vartanian, M. Holler, J.-F. Nierengarten, B. Delavaux-Nicot, J.-M. Strub, A. Van Dorsseleer, Y. Wu, J. Mohanraj, K. Yoosaf, **N. Armaroli**

"Photoinduced electron transfer in a clicked fullerene-porphyrin conjugate"

[J. Mater. Chem. 2011, 21, 1562-1573](#)

64. **N. Armaroli**, V. Balzani

"The Hydrogen Issue"

[ChemSusChem 2011, 4, 21-38](#)

65. J. Zeitouny, A. Belbakra, A. Llanes-Pallas, A. Barbieri, **N. Armaroli**, D. Bonifazi

"On the route to mimic natural movements: synthesis and photophysical properties of a molecular arachnoid"

[Chem. Commun. 2011, 47, 451-453.](#)

Article highlighted in RSC Chemical Science and Chemical & Engineering News (May 4, 2009, p. 44)

66. G. Accorsi, **N. Armaroli**, B. Delavaux-Nicot, A. Kaeser, M. Holler, J.-F. Nierengarten, A. Degli Esposti

"The electronic properties of a homoleptic bisphosphine  $Cu^+$  complex: a joint theoretical and experimental insight"

[J. Mol. Struct.: THEOCHEM 2010, 962, 7-14](#)

67. G. Accorsi, **N. Armaroli**

"Taking Advantage of the Electronic Excited States of [60]-Fullerenes"

[J. Phys. Chem. C 2010, 114, 1385-1403](#) Invited Feature Article – Cover Page Article

68. G. Accorsi, **N. Armaroli**, C. Duhayon, A. Saquet, B. Delavaux-Nicot, R. Welter, O. Moudam, M. Holler, J.-F. Nierengarten

"Synthesis and photophysical properties of copper(i) complexes obtained from 1,10-phenanthroline ligands with increasingly bulky 2,9-substituents"

[Eur. J. Inorg. Chem. 2010, 164-173.](#)

69. **N. Armaroli** "Energy demand and climate change, by F. A. Cocks"  
[Angew. Chem. Int. Ed. 2009, 48, 8603-8604](#) Invited Book Review
70. A. Gégout, J. L. Delgado, J.-F. Nierengarten, B. Delavaux-Nicot, A. Listorti, C. Chiorboli, A. Belbakra, **N. Armaroli**  
"Photoinduced electron transfer in a fullerene-oligophenylvinylene dyad"  
[New J. Chem. 2009, 33, 2174-2182](#)
71. G. Accorsi, **N. Armaroli**, F. Cardinali, D. Wang, Y. Zheng  
"Synthesis and photoluminescence properties of heteroleptic Eu<sup>3+</sup>, Tb<sup>3+</sup> and Tm<sup>3+</sup> complexes"  
[J. Alloy Compd. 2009, 485, 119-123](#)
72. P. V. James, K. Yoosaf, J. Kumar, K. George Thomas, A. Listorti, G. Accorsi, **N. Armaroli**  
"Phenyleneethynylene based Bipyridine Ligands as Tunable Luminophores"  
[Photochem. Photobiol. Sci. 2009, 8, 1432-1440](#)
73. A. Gégout, J.-F. Nierengarten, B. Delavaux-Nicot, C. Duhayon, A. Saquet, A. Listorti, A. Belbakra, C. Chiorboli,  
**N. Armaroli**  
"Fullerene derivatives functionalized with diethylamino-substituted conjugated oligomers: synthesis and photoinduced electron transfer"  
[Chem. Eur. J. 2009, 15, 8825-8833](#)
74. J. Zeitouny, C. Aurisicchio, D. Bonifazi, R. De Zorzi, S. Geremia, M. Bonini, C.-A. Palma, P. Samorì, A. Listorti, A. Belbakra, **N. Armaroli**  
"Photoinduced structural modifications in multicomponent architectures containing azobenzene moieties as photoswitchable cores"  
[J. Mater. Chem. 2009, 19, 4715-4724](#)
75. G. Accorsi, G. Verri, M. Bolognesi, **N. Armaroli**, C. Clementi, C. Miliani, A. Romani  
"The exceptional near-infrared luminescence properties of cuprorivaite (Egyptian blue)"  
[Chem. Commun. 2009, 3392-3394](#)  
Article highlighted in *RSC Chemical Science and Chemical & Engineering News*
76. C. Sooambar, V. Troiani, C. Bruno, M. Marcaccio, F. Paolucci, A. Listorti, A. Belbakra, **N. Armaroli**, A. Magistrato, R. De Zorzi, S. Geremia, D. Bonifazi  
"Synthesis, photophysical, electrochemical, and electrochemiluminescent properties of 5,15-bis(9-anthracenyl)porphyrins derivatives"  
[Org. Biomol. Chem. 2009, 7, 2402-2413](#)
77. G. Accorsi, A. Listorti, K. Yoosaf, **N. Armaroli**  
"1,10-Phenanthrolines: versatile building blocks for luminescent molecules, materials and metal complexes"  
[Chem. Soc. Rev. 2009, 38, 1690-1700](#) Invited Review Article

78. Q. Mab, Y. Zheng **N. Armaroli**, M. Bolognesi, G. Accorsi  
"Synthesis and photoluminescence properties of asymmetrical europium(III) complexes involving carbazole, phenanthroline and bathophenanthroline units"  
[Inorg. Chim. Acta 2009, 362, 3181-3186](#)
79. K. Yoosaf, A. Belbakra, **N. Armaroli**, A. Llanes-Pallas, D. Bonifazi  
"Engineering spherical nanostructures through hydrogen-bonds"  
**Hot article: Self-assembled spherical nanostructures**  
[Chem. Commun. 2009, 2830-2832](#) Cover Page Article
80. U. Hahn, J.-F. Nierengarten, F. Vögtle, A. Listorti, F. Monti, **N. Armaroli**  
"Fullerene-rich dendrimers: divergent synthesis and photophysical properties"  
[New J. Chem. 2009, 33, 337-344](#) Invited Paper
81. A. Llanes Pallas, C.-A. Palma, L. Piot, A. Belbakra, A. Listorti, M. Prato, P. Samorì, **N. Armaroli**, D. Bonifazi  
"Engineering of Supramolecular H-Bonded Nanopolygons via Self-Assembly of Programmed Molecular Modules"  
[J. Am. Chem. Soc. 2009, 131, 509-520](#)
82. A. Listorti, G. Accorsi, Y. Rio, **N. Armaroli**, O. Moudam, A. Gégout, B. Delavaux-Nicot, M. Holler, J.-F. Nierengarten  
"Heteroleptic Copper(I) Complexes Coupled with Methano[60]fullerene: Synthesis, Electrochemistry, and Photophysics"  
[Inorg. Chem. 2008, 476, 6254-6261](#)
83. Y. Zheng, Y. Zhou, G. Accorsi, **N. Armaroli**  
"Synthesis and Photoluminescence of a Dendritic Europium Complex with Carbazole Moieties"  
[J. Rare Earths 2008, 26, 173-177](#)
84. Y. Zheng, F. Cardinali, **N. Armaroli**, G. Accorsi  
"Synthesis and Photoluminescence Properties of Heteroleptic Europium(III) Complexes with Appended Carbazole Units"  
[Eur. J. Inorg. Chem. 2008, 12, 2075-2080](#)
85. A. Barbieri, G. Accorsi, **N. Armaroli**  
"Luminescent complexes beyond the platinum group: the d<sup>10</sup> avenue"  
[Chem. Commun. 2008, 2185-2193](#) Invited Feature Article
86. **N. Armaroli**  
"Electronic Excited-State Engineering"  
[Chem. Phys. Chem. 2008, 9, 371-373](#) Invited Highlight Article
87. T. M. Figueira-Duarte, Y. Rio, A. Listorti, B. Delavaux-Nicot, M. Holler, F. Marchioni, P. Ceroni, **N. Armaroli**, J.-F. Nierengarten

"Synthesis and electronic properties of fullerene derivatives substituted with oligophenylenevinylene-ferrocene conjugates"

[New J. Chem. 2008, 32, 54-64](#)

88. J. N. Clifford , A. Gégout , S. Zhang , R. Pereira de Freitas , M. Urbani , M. Holler, P.Ceroni , J.-F. Nierengarten , **N. Armaroli**

"Fullerene Derivatives Substituted with Differently Branched Phenyleneethynylene Dendrons: Synthesis, Electronic and Excited State Properties"

[Eur. J. Org. Chem. 2007, 5899-5908](#)

89. G. Accorsi, **N. Armaroli**, A. Parisini, M. Meneghetti, R. Marega, M. Prato, D. Bonifazi "Wet Adsorption of a Eu(III)-complex on Carbon Nanotubes Sidewalls"

[Adv. Funct. Mater. 2007, 17, 2795-2982](#)

90. M. J. Frampton, G. Accorsi, **N. Armaroli**, J. E. Rogers, P. A. Fleitz, K. J. McEwan, H. L. Anderson

"Synthesis and Near-infrared Luminescence of a Deuterated Conjugated Porphyrin Dimer for Probing the Mechanism of Non-radiative Deactivation" [Hot article](#)

[Org. Biomol. Chem. 2007, 5, 1056-1061](#)

91. K. Hosomizu, H. Imahori, U. Hahn, J.-F. Nierengarten, A. Listorti, **N. Armaroli**, T. Nemoto, S. Isoda

"Dendritic Effects on Structure and Photophysical and Photoelectrochemical Properties of Fullerene Dendrimers and their Nanoclusters"

[J. Phys. Chem. C 2007, 111, 2777-2786](#)

92. **N. Armaroli**, G. Accorsi, F. Cardinali, A. Listorti

"Photochemistry and Photophysics of Coordination Compounds; Copper"

[Top. Curr. Chem. 2007, 280, 69-115](#) [Invited Review Article](#)

93. O. Moudam, A. Kaeser, B. Delavaux-Nicot, C. Duhayon, M. Holler, G. Accorsi, **N. Armaroli**, I. Séguy, J. Navarro, P. Destruel, J.-F. Nierengarten

"Electrophosphorescent homo- and heteroleptic copper(I) complexes prepared from various bis-phosphine ligands"

[Chem. Commun. 2007, 3077-3079](#)

94. **N. Armaroli**, G. Accorsi, G. Bergamini, P. Ceroni, M. Holler, O. Moudam, C. Duhayon, B. Delavaux- Nicot, J.-F. Nierengarten

"Heteroleptic Cu(I) Complexes Containing Phenantroline-Type and 1,1'-Bis(Disphenylphosphino) Ferrocene Ligands: Structure and Electronic Properties"

[Inorg. Chim. Acta 2007, 360, 1032-1042](#) [Invited Paper](#)

95. **N. Armaroli**, V. Balzani

"The Future of Energy Supply: Challenges and Opportunities"

[Angew. Chem. Int. Ed. 2007, 46, 52-66](#)

96. A. Hosseini, S. Taylor, G. Accorsi, **N. Armaroli**, C. A. Reed, P. D.W. Boyd  
"Calix[4]arene-Linked Bisporphyrin Hosts for Fullerenes: Binding Strength, Solvation Effects, and Porphyrin - Fullerene Charge Transfer Bands"  
[J. Am. Chem. Soc., 2006, 129, 15903-15913](#)
97. J.N. Clifford, T. Gu, J.-F. Nierengarten, **N. Armaroli**  
"Photoinduced energy and electron transfer in fullerene-oligophenyleneethynylene systems: dependence on the substituents of the oligomer unit"  
[Photochem. Photobiol. Sci. 2006, 5, 1165-1172](#) Invited Paper
98. A. Gégout, T.M. Figueira-Duarte, J.-F. Nierengarten, A. Listorti, **N. Armaroli**  
"Synthesis and Excited State Properties of an Oligophenylenevinylene Heptamer Substituted with Two Fullerene Moieties"  
[Synlett 2006, 18, 3095-3099](#) Invited Paper
99. **N. Armaroli**, G. Accorsi, J. N. Clifford, J.-F. Eckert, J.-F. Nierengarten  
"Structure-dependent Photoinduced Electron Transfer in Fullerodendrimers with Light Harvesting Oligophenylenevinylene Terminals"  
[Chem. Asian J. 2006, 1, 564-574](#)
100. T.M. Figueira-Duarte, J. Clifford, V. Amendola, A. Gégout, J. Olivier, F. Cardinali, M. Meneghetti, **N. Armaroli**, J.-F. Nierengarten  
"Synthesis and Excited State Properties of a [60] Fullerene Derivate Bearing a Star-Shaped Multi-Photon Absorption Chromophore"  
[Chem. Commun. 2006, 2054-2056](#)
101. M. Holler, F. Cardinali, H. Mamlouk, J.-F. Nierengarten, J.-P. Gisselbrecht, M. Gross, Y. Rio, F. Barigelletti, **N. Armaroli**  
"Synthesis of Fullerohelicates and Fine Tuning of the Photoinduced Processes by Changing the Number of Addends on the Fullerene Subunits"  
[Tetrahedron 2006, 62, 2060-2073](#) Invited Paper, Special Issue on Fullerenes
102. **N. Armaroli**, G. Accorsi, M. Holler, O. Moudam, J.-F. Nierengarten, Z. Zhou, R. T. Wegh, R. Welter  
"Highly Luminescent Cu(I) Complexes for Light-Emitting Electrochemical Cells"  
[Adv. Mater. 2006, 18, 1313-1316](#) Invited Paper, inside cover page
103. V. Kalsani, M. Schmittel, A. Listorti, G. Accorsi, **N. Armaroli**  
"Novel Phenanthroline Ligands and their Kinetically Locked Copper(I) Complexes with Unexpected Photophysical Properties"  
[Inorg. Chem. 2006, 45, 2061-2067](#)
104. J. N. Clifford, G. Accorsi, F. Cardinali, J.-F. Nierengarten, **N. Armaroli**  
"Photoinduced Electron and Energy Transfer Processes in Fullerene C<sub>60</sub> – Metal Complex Hybrid Assemblies"

105. J.-F. Nierengarten, S. Zhang, A. Gégout, M. Urbani, **N. Armaroli**, G. Marconi, Y. Rio  
“Synthesis and Optical Properties of Isomeric Branched p-Conjugated Systems”  
[J. Org. Chem. 2005, 70, 7550](#)
106. F. Langa, M. J. Gomez-Escalonilla, J.-M. Rueff, T. M. Figueira Duarte, J.-F. Nierengarten, V. Palermo, P. Samorì, Y. Rio, G. Accorsi, **N. Armaroli**  
“Pyrazolino[60]fullerene/oligophenylenevinylene dumbbell shaped arrays. Synthesis, electrochemistry, photophysics, and self-assembly on surfaces”  
[Chem. Eur. J. 2005, 11, 4405-4415](#) Cover Page Paper
107. D. Bonifazi, G. Accorsi, **N. Armaroli**, F. Song, A. Palkar, L. Echegoyen, M. Scholl, P. Seiler, Bernhard Jaun, F. Diederich  
“Oligoporphyrin Arrays Conjugated to [60]Fullerene: Preparation, NMR Analysis, Photophysical, and Electrochemical Properties”  
[Helv. Chim. Acta 2005, 88, 1839-1884](#)
108. **N. Armaroli**, G. Accorsi, F. Song, A. Palkar, L. Echegoyen, D. Bonifazi, F. Diederich  
Photophysical and Electrochemical Properties of meso,meso-Linked Oligoporphyrin Rods with Appended Fullerene Terminals”  
[ChemPhysChem 2005, 6, 732-743](#)
109. G. Ridolfi, N. Camaioni, P. Samorì, M. Gazzano, G. Accorsi, **N. Armaroli**, L. Favaretto, G. Barbarella  
“All-thiophene Donor-Acceptor Blends: Photophysics, Morphology, and Photovoltaic Properties”  
[J. Mater. Chem. 2005, 15, 895-901](#)
110. S. Quici, M. Cavazzini, G. Marzanni, G. Accorsi, **N. Armaroli**, B. Ventura, F. Barigelletti  
“Visible and Near-Infrared Intense Luminescence from Water-Soluble Lanthanide [Tb(III), Eu(III), Sm(III), Dy(III), Pr(III), Ho(III), Yb(III), Nd(III), and Er(III)] Complexes”  
[Inorg. Chem. 2005, 44, 529-537](#)
111. N. M. Shavaleev, G. Accorsi, D. Virgili, Z. R. Bell, T. Lazarides, G. Calogero, **N. Armaroli**, M. D. Ward  
“Syntheses and crystal structures of dinuclear complexes containing d-block and f-block luminophores. Sensitization of NIR luminescence from Yb(III), Nd(III) and Er(III) centres by energy-transfer from Re(I)- and Pt(II)- bipyrimidine metal centers”  
[Inorg. Chem. 2005, 44, 61-72](#)
112. **N. Armaroli**, G. Accorsi, Y. Rio, P. Ceroni, V. Vicinelli, R. Welter, T. Gu, M. Saddik, M. Holler and J.-F. Nierengarten  
“Electronic Properties of Oligophenylenevinylene and Oligophenyleneethynylene Arrays Constructed on the Upper-rim of a Calix[4]arene Core”.  
[New J. Chem. 2004, 28, 1627-1637](#)

113. **N. Armaroli**, G. Accorsi, Y. Rio, J.-F. Nierengarten, J.-F. Eckert, M. J. Gómez-Escalonilla, F. Langa  
 “Optical Properties and Photoinduced Processes in Multicomponent Architectures with Oligophenylenevinylene Units”  
[Synth. Met. 2004, 147, 19-28](#) **Invited Paper**
114. M. Gutierrez-Nava, G. Accorsi, P. Masson, **N. Armaroli**, J.-F. Nierengarten  
 “Unexpected Polarity Effects on the Photophysics of Dendrimers with an Oligophenylenevinylene Core and Peripheral Fullerene Units”  
[Chem. Eur. J. 2004, 10, 5076-5086](#)
115. F. Cardinali, H. Mamlouk, Y. Rio, **N. Armaroli**, J.-F. Nierengarten  
 “Fullerohelicates: a New Class of Fullerene-containing Supermolecules”  
[Chem Commun. 2004, 1582-1583](#)
116. J.-F. Nierengarten, M. Gutiérrez-Nava, S. Zhang, P. Masson, L. Oswald, C. Bourgogne, Y. Rio, G. Accorsi, **N. Armaroli**, S. Setayesh  
 “Fullerene-Containing Macromolecules for Materials Science Applications”  
[Carbon 2004, 42, 1077-1083](#) **Invited Paper**
117. T. Gunaratne M. A. J. Rodgers, D. Felder, J.-F. Nierengarten, G. Accorsi, **N. Armaroli**  
 “Ultrafast Dynamics of Cu(I)-Phenathrolines in Dichloromethane”.  
[Chem. Commun. 2003, 3010-3011](#)
118. Y. Rio, G. Enderlin, C. Bourgogne, J.-F. Nierengarten, J.-P. Gisselbrecht, M. Gross, G. Accorsi, **N. Armaroli**  
 “Ground and Excited State Electronic Interactions in a Bis(Phenanthroline) Copper(I) Complex Sandwiched Between Two Fullerene Subunits”  
[Inorg. Chem. 2003, 42, 8783-8793](#)
119. D. Bonifazi, M. Scholl, F. Song, L. Echegoyen, G. Accorsi, **N. Armaroli**, F. Diederich  
 “Exceptional Redox and Photophysical Properties of a Triply Fused Diporphyrin-C<sub>60</sub> Conjugate: Novel Scaffolds for Multicharge Storage in Molecular Scale Electronics”  
[Angew. Chem. Int. Ed. 2003, 42, 4966-4970](#)
120. **N. Armaroli**, G. Accorsi, J.-P. Gisselbrecht, M. Gross, J.-F. Eckert, J.-F. Nierengarten  
 “Copper(I) Complexes of 1-10-Phenanthroline-Oligophenylenevinylene Conjugates”  
[New J. Chem. 2003, 27, 1470-1478](#)
121. **N. Armaroli**  
 “From metal complexes to fullerene arrays: exploring the exciting world of supramolecular photochemistry fifteen years after its birth” **Grammaticakis-Neumann Lecture Paper**  
[Photochem. Photobiol. Sci. 2003, 2, 73-87](#) **Invited Feature Article with Cover Page**
122. Y. Rio, G. Accorsi, H. Nierengarten, C. Bourgogne, J.-M. Strub, A. Van Dorselaer, **N. Armaroli**, J.-F. Nierengarten  
 “A Fullerene Core to Probe Dendritic Shielding Effects”

123. J.-F. Nierengarten, **N. Armaroli**, G. Accorsi, Y. Rio, J.-F. Eckert  
“[60]Fullerene: a Versatile Photoactive Core for Dendrimer Chemistry”  
[Chem. Eur. J. 2003, 9, 36-41](#) Invited Concept Article
124. A.-C. Laemmel, J.-P. Collin, J.-P. Sauvage, G. Accorsi, **N. Armaroli**  
“Macrocyclic Complexes of  $[\text{Ru}(\text{N-N})_2]^{2+}$  units (N-N = 1,10 phenanthroline or 4-(p-anisyl)-1,10-phenanthroline): Synthesis and Photochemical Expulsion Studies”  
[Eur. J. Inorg. Chem. 2003, 467-474](#)
125. Y. Rio, G. Accorsi, **N. Armaroli**, D. Felder, E. Levillain, J.-F. Nierengarten  
“Thin Layer Cyclic Voltammetry: an Efficient Tool to Determine the Redox Characteristics of Large Dendrimers”  
[Chem. Commun. 2002, 2830-2831](#)
126. A. Farrán Morales, G. Accorsi, **N. Armaroli**, F. Barigelletti, S. J. A. Pope, M. D. Ward  
“Interplay of Light Antenna and Excitation ‘Energy Reservoir’ Effects in a Bichromophoric System Based on Ru-polypyridine and Pyrene Units Linked by a Long and Flexible Polyethylene Glycol Chain”  
[Inorg. Chem. 2002, 41, 6711-6719](#)
127. Y. Rio, G. Accorsi, H. Nierengarten, J.-L. Rehspringer, B. Hönerlage, G. Kopitkovas, A. Chugreev, A. Van Dorselaer, **N. Armaroli**, J.-F. Nierengarten  
“Fullerodendrimers with Peripheral Triethyleneglycol Chains: Synthesis, Mass Spectrometric Characterisation, and Photophysical Properties”  
[New J. Chem. 2002, 26, 1146-1154](#)
128. **N. Armaroli**, G. Accorsi, J.-P. Gisselbrecht, M. Gross, V. Krasnikov, D. Tsamouras, G. Hadziioannou, F. Langa, M. J. Gómez-Escalonilla, J.-F. Eckert, J.-F. Nierengarten  
“Photoinduced Processes in Fulleropyrrolidine and Fulleropyrazoline Derivatives Substituted with an Oligophenylenevinylene Moiety”  
[J. Mater. Chem. 2002, 12, 2077-2087](#)  
Invited paper, Special Issue On Functionalized Fullerene Materials
129. S. Quici, G. Marzanni, M. Cavazzini, P. L. Anelli, M. Botta, E. Gianolio, G. Accorsi, **N. Armaroli**, F. Barigelletti  
• “Highly Luminescent Eu(III) and Tb(III) Macrocyclic Complexes Bearing an Appended Phenanthroline Chromophore”  
[Inorg. Chem. 2002, 41, 2777-2784](#)
130. A. Casnati, L. Baldini, F. Sansone, R. Ungaro, **N. Armaroli**, D. Pompei, F. Barigelletti  
“Synthesis, Complexation, and Photophysics in Protic Solvents of Lanthanide Complexes of Novel Calix[4]arene Polycarboxylic-2,2'-bipyridine Mixed Ligands”  
[Supramol. Chem. 2002, 14, 281-289](#)

131. **N. Armaroli**, G. Accorsi, D. Felder, J.-F. Nierengarten  
"Photophysical Properties of the Re(I) and Ru(II) Complexes of a New C<sub>60</sub>-Substituted Bipyridine Ligand"  
[Chem. Eur. J. 2002, 8, 2314-2323](#)
132. G. Accorsi, **N. Armaroli**, J.-F. Eckert, J.-F. Nierengarten  
"Functionalization of [60]fullerene with New Light-Collecting Oligophenylenevinylene-Terminated Dendritic Wedges "  
[Tetrahedron Lett. 2002, 43, 65-68](#)
133. T. Gu, P. Ceroni, G. Marconi, **N. Armaroli**, J.-F. Nierengarten  
"Synthesis and Electronic Properties of Covalent Assemblies of Oligophenylenevinylene Units Arising from a Calix[4]arene Core"  
[J. Org. Chem. 2001, 66, 6432-6439](#)
134. S. A. J. Pope, C. R. Rice, M. D. Ward, A. Farran Morales, G. Accorsi, **N. Armaroli**, F. Barigelletti  
"Folding of a poly(oxyethylene) Chain as Probed by Photoinduced Energy Transfer between Ru- and Os-polypyridine Termini"  
[J. Chem. Soc. Dalton Trans. 2001, 2228-2231](#)
135. **N. Armaroli**, F. Barigelletti, P. Ceroni, J.-F. Eckert, J.-F. Nierengarten  
"A Fulleropyrrolidine with Two Oligophenylenevinylene Substituents: Synthesis, Electrochemistry and Photophysical Properties"  
[Int. J. Photoen. 2001, 3, 33-40](#) Invited Paper
136. D. Felder, J.-F. Nierengarten, F. Barigelletti, B. Ventura, **N. Armaroli**  
"Highly Luminescent Cu(I)-phenanthroline Complexes in Rigid Matrix and Temperature Dependence of the Photophysical Properties"  
[J. Am. Chem. Soc. 2001, 123, 6291-6299](#)
137. T. Gu, G. Accorsi, **N. Armaroli**, D. Guillon, J.-F. Nierengarten  
"Calix[4]oligophenylenevinylenes: a New Rigid Core for the Design of  $\pi$ -conjugated Liquid Crystalline Derivatives"  
[Tetrahedron Lett. 2001, 42, 2309-2312](#)
138. **N. Armaroli**  
"Photoactive Cu(I)-phenanthrolines. A viable alternative to Ru(II)-polypyridines?"  
[Chem. Soc. Rev. 2001, 30, 113-124](#)
139. J.-F. Nierengarten, G. Hadziioannou, **N. Armaroli**  
"Molecular Photovoltaic Devices"  
[Mater. Today 2001, 4, 16-18 \(Issue 2\)](#)
140. **N. Armaroli**, J.-F. Eckert, J.-F. Nierengarten  
"Controlling the Energy Transfer Direction: an Oligophenylenevinylene-phenanthroline Dyad

Acting as a Proton Triggered Molecular Switch"

[Chem. Commun. 2000, 2105-2106](#)

141. J.-F. Eckert, J.-F. Nicoud, J.-F. Nierengarten, S.-G. Liu, L. Echegoyen, F. Barigelletti, **N. Armaroli**, L. Ouali, V. Krasnikov, G. Hadziioannou  
"Fullerene-Oligophenylenevinylene Hybrids: Synthesis, Electronic Properties and Incorporation in Photovoltaic Devices"  
[J. Am. Chem. Soc. 2000, 122, 7467-7479](#)
142. S. Encinas, N. R. M. Simpson, P. Andrews, M. D. Ward, C. M. White, **N. Armaroli**, F. Barigelletti, A. Houlton  
"Photoinduced Energy Transfer within Hydrogen-bonded Multicomponent Assemblies Based on Ruthenium- Polypyridyl donor and an Osmium Polypyridyl or Ferrocenyl Acceptor"  
[New J. Chem. 2000, 24, 987-991](#)
143. J.-F. Eckert, J.-F. Nicoud, L. Oswald, J.-F. Nierengarten, M. Numata, A. Ikeda, S. Shinkai, **N. Armaroli**  
"Polybenzyl Ether Dendrimers for the Complexation of Fullerenes"  
[New J. Chem. 2000, 24, 749-758](#)
144. J.-F. Nierengarten, J.-F. Eckert, D. Felder, J.-F. Nicoud, **N. Armaroli**, G. Marconi, V. Vicinelli, C. Boudon, J.-P. Gisselbrecht, M. Gross, G. Hadziioannou, V. Krasnikov, L. Ouali, L. Echegoyen, S.-G. Liu  
"Photochemical Molecular Devices Based on Donor-Linked Fullerenes"  
[Carbon 2000, 11-12, 1587-1598](#) **Invited Paper**
145. **N. Armaroli**, G. Marconi, L. Echegoyen, J.-P. Bourgeois, F. Diederich  
"Charge-Transfer Interactions in Face-to-Face Porphyrin-Fullerene Systems. Solvent-Dependent Luminescence in the Infrared Spectral Region"  
[Chem. Eur. J. 2000, 6, 1629-1645](#)
146. **N. Armaroli**, F. Barigelletti, P. Ceroni, J.-F. Eckert, J.-F. Nicoud, J.-F. Nierengarten  
"Photoinduced Energy Transfer in a Fullerene-Oligophenylenevinylene Conjugate"  
[Chem. Commun. 2000, 599-600](#)
147. **N. Armaroli**, G. Accorsi, F. Barigelletti, S. M. Couchman, J. S. Fleming, N. C. Harden, J. C. Jeffery, K. L. V. Mann, J. A. McCleverty, L. H. Rees, S. R. Starling, M. D. Ward  
"Structural and Photophysical Properties of Mononuclear and Dinuclear Lanthanide(III) Complexes of Multidentate Podand Ligands Based on Poly(pyrazolyl)borates"  
[Inorg. Chem. 1999, 38, 5769-5776](#)
148. L. Flamigni, **N. Armaroli**, F. Barigelletti, J.-C. Chambron, J.-P. Sauvage, N. Solladié  
"Photoinduced Processes Porphyrin-Stoppered [3]-Rotaxanes"  
[New J. Chem. 1999, 1151-1158](#)

149. **N. Armaroli**, C. Boudon, D. Felder, J.-P. Gisselbrecht, M. Gross, G. Marconi, J.-F. Nicoud, J.-F. Nierengarten, V. Vicinelli  
"A Copper(I) Bis-phenanthroline Complex Buried in Fullerene-Functionalized Dendritic Black Boxes"  
[Angew. Chem. Int. Ed. 1999, 38, 3730-3733](#)
150. 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, 2089-2890](#)
151. L. Flamigni, F. Barigelletti, **N. Armaroli**, J.-P. Collin, I. M. Dixon, J.-P. Sauvage, J. A. Gareth Williams  
"Photoinduced Processes in Multicomponent Arrays Containing Transition Metal Complexes"  
[Coord. Chem Rev. 1999, 190-192, 671-682](#)
152. J.-F. Nierengarten, L. Oswald, J.-F. Eckert, J.-F. Nicoud, **N. Armaroli**  
"Complexation of Fullerenes with Dendritic Cyclotrimeratrylene Derivatives"  
[Tetrahedron Lett. 1999, 40, 5681-5684](#)
153. D. J. Cárdenas, J.-P. Collin, P. Gaviña, J.-P. Sauvage, A. De Cian, J. Fischer, **N. Armaroli**, L. Flamigni, V. Vicinelli, V. Balzani  
"Synthesis, X-ray Structure, and 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](#)
154. E. C. Constable, C. E. Housecroft, E. R. Schofield, S. Encinas, **N. Armaroli**, F. Barigelletti, L. Flamigni, E. Figgemeier, J. G. Vos  
"Luminescent molecular wires with 2,5-thiophenediyl spacers linking {Ru(terpy)<sub>2</sub>} units"  
[Chem Commun. 1999, 869-870](#)
155. **N. Armaroli**, V. Balzani, J.-P. Collin, P. Gaviña, J.-P. Sauvage, B. Ventura  
"Rotaxanes Incorporating Two Different Coordinating Units in Their Thread: Synthesis, Electrochemically and Photochemically Induced Molecular Motions"  
[J. Am. Chem. Soc. 1999, 121, 4397-4408](#)
156. L. Flamigni, F. Barigelletti, **N. Armaroli**, B. Ventura, J.-P. Collin, J.-P. Sauvage, J. A. Gareth Williams  
"Triplet-Triplet Energy Transfer Between Porphyrins Linked Via a Ruthenium(II) Bisterpyridine Complex"  
[Inorg Chem. 1999, 38, 661-667](#)
157. Z. R. Reeves, K. L. V. Mann, J. C. Jeffery, J. A. McCleverty, M. D. Ward, F. Barigelletti, **N.**

## Armaroli

"Lanthanide Complexes of a New Sterically Hindered Potentially Hexadentate Podand ligand Based on a tris(pyrazolyl)borate core. Crystal Structures Solution Structures and Luminescence Properties"

[\*J. Chem. Soc. Dalton Trans.\* \*\*1999\*\*, 349-356](#)

158. **N. Armaroli**, F. Diederich, L. Echegoyen, T. Habicher, 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](#)
159. L. Flamigni, F. Barigelletti, **N. Armaroli**, J.-P. Collin, J.-P. Sauvage, J. A. Gareth Williams  
"Photoinduced Processes in a Highly Coupled Multicomponent Arrays Based on a Ru(II) Bisterpyridine Complex and Porphyrins",  
[\*Chem. Eur. J.\*, \*\*1998\*\*, \*4\*, 1744-1754](#)
160. A. M. 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''':6''',2''''-quaterpyridine  
[\*New J. Chem.\* \*\*1998\*\*, 913-917](#)
161. M. D. Ward, C. M. White, F. Barigelletti, **N. Armaroli**, G. Calogero, L. Flamigni  
"Assemblies of Luminescent Ruthenium(II)- and Osmium(II)-polypyridil Complexes Based on Hydrogen Bonding"  
[\*Coord. Chem. Rev.\* \*\*1998\*\*, \*171\*, 481-488](#)
162. **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](#)
163. A. Livoreil, J.-P. Sauvage, **N. Armaroli**, V. Balzani, L. Flamigni, B. Ventura  
"Electrochemically and Photochemically Driven Ring Motions in a Disymmetrical Copper [2]-Catenate"  
[\*J. Am. Chem. Soc.\* \*\*1997\*\*, \*119\*, 12114-12124](#)
164. **N. Armaroli**, F. Barigelletti, G. Calogero, L. Flamigni, M. D. Ward, C. M. White  
"Electronic Energy-Transfer in Assemblies based on Hydrogen Bonding and Incorporating Luminescent Ruthenium and Osmium-Polypyridil Complexes"  
[\*Chem. Commun.\* \*\*1997\*\*, 2181-2182](#)
165. L. Hammarström, 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 Binuclear Complexes of Ruthenium (II)"

[\*J. Phys. Chem. A\* \*\*1997\*\*, \*101\*, 9061-9069](#)

- 166. N. Armaroli**, P. Ceroni, V. Balzani, J.-M. Kern, J.-P. Sauvage, J.-L. Weidmann  
"Protonation of Free 2,9-p-diphenyl-1,10-phenanthroline Sites in a 56-membered Macrocyclic and its Re(I) and Cu(I) Complexes. Absorption spectra, luminescent properties and excited state interactions»  
[\*J. Chem. Soc. Faraday Trans.\* \*\*1997\*\*, \*93\*, 4145-4150](#)
- 167.** J.-M. Kern, J.-P. Sauvage, J.-L. Weidmann, **N. Armaroli**, L. Flamigni, P. Ceroni, V. Balzani  
"Complexes Containing 2,9-p-diphenyl-1,10-phenanthroline Units Incorporated Into a 56-membered Ring. Synthesis, Electrochemistry, and Photophysical Properties"  
[\*Inorg. Chem.\* \*\*1997\*\*, \*36\*, 5329-5338](#)
- 168. N. Armaroli**, V. Balzani, F. Barigelletti, M. D. Ward, J. Mc Cleverty  
"Luminescence properties of Eu<sup>3+</sup>, Tb<sup>3+</sup>, and Gd<sup>3+</sup> complexes of the hexadentate N-donor podand tris-[3-(2-pyridyl)pyrazol-1yl]hydroborate"  
[\*Chem Phys. Lett.\* \*\*1997\*\*, \*276\*, 435-440](#)
- 169.** L. Flamigni, **N. Armaroli**, F. Barigelletti, V. Balzani, J.-P. Collin, J.-O. Dalbavie, V. Heitz, J.-P. Sauvage  
"Photoinduced Processes Dyads Made of a Porphyrin Unit and a Ruthenium Complex"  
[\*J. Phys Chem. B\* \*\*1997\*\*, \*101\*, 5936-5943](#)
- 170.** R. L. 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\*, 2601-2609](#)
- 171.** C. M. White, M. Fernandez Gonzalez, D. A. Bardwell, L. H. Rees, J. C. Jeffery, M. D. Ward, **N. Armaroli**, G. Calogero, F. Barigelletti  
"Derivatives of Luminescent Metal-Polypyridyl Complexes with Pendant Adenine or Thymine Groups: Building Blocks for Supramolecular Assemblies Based on Hydrogen Bonding"  
[\*J. Chem. Soc. Dalton Trans.\* \*\*1997\*\*, 727-736](#)
- 172.** L. Hammarström, 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\*, 11972-11973](#)
- 173.** 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 Electro-deficient

Ruthenium Complex".

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

174. F. Vögtle, I. Michel, R. Berscheid, M. Nieger, K. Rissanen, S. Kotila, K. Airola, **N. Armaroli**, M. Maestri, V. Balzani  
"Concave Macrobicycles. Absorption Spectra, Luminescence Properties, and Endocavitational Complexation of Neutral Organic Guests"  
[Liebigs Ann. 1996, 1697-1704](#)
175. C. O. Dietrich-Buchecker, J.-P. Sauvage, **N. Armaroli**, P. Ceroni, V. Balzani  
"Protonation-Driven Formation of a Double Stranded Structure: a Photophysical and <sup>1</sup>H NMR Study"  
*New J. Chem.* **1996**, 20, 801
176. C. O. Dietrich-Buchecker, J.-P. Sauvage, **N. Armaroli**, P. Ceroni, V. Balzani  
"Heterodinuclear Knotted Complexes"  
[Angew. Chem. Int. Ed. Engl. 1996, 35, 1119-1121](#)
177. **N. Armaroli**, M. A. J. Rodgers, P. Ceroni, V. Balzani, C. O. Dietrich-Buchecker, J.-M. Kern, A. Bailal, J.-P. Sauvage  
"Nature Of The Lowest Energy Excited State Of A Bis-Phenanthroline [2]-Catenand And Of Its Cu(I), Ag(I), And Co(II) Complexes"  
[Chem Phys. Lett. 1995, 241, 555-558](#)
178. F. Pina, A. Jorge Parola, E. Ferreira, M. Maestri, **N. Armaroli**, R. Ballardini, V. Balzani  
"Supramolecular Photochemistry and Photophysics. Biacetyl Imprisoned in a Hemicarcerand"  
[J. Phys. Chem. 1995, 99, 12701-12703](#)
179. M. Maestri, **N. Armaroli**, V. Balzani, E. C. Constable, A.M.W. Cargill-Thompson  
"Complexes of Ruthenium(II)-2,2':6',2''-Terpyridine Family. Effect of electron-Accepting and-Donating Substituents on the Photophysical and Electrochemical Properties"  
[Inorg. Chem. 1995, 34, 2759-2767](#)
180. **N. Armaroli**, V. Balzani, L. De Cola, C. Hemmert, J.-P. Sauvage  
"Multi-Protonation of a [3]-Catenand and of a Monocopper [3]-Catenate. Absorption Spectra and Luminescence Properties"  
*New J. Chem.* **1994**, 18, 775.
181. **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 Heterodinuclear [3]-Catenates"  
[J. Am. Chem. Soc. 1994, 116, 5211-5217](#)
182. A. J. Parola, F. Pina, M. Maestri, **N. Armaroli**, V. Balzani  
"Supramolecular Photochemistry and Photophysics. 9-Cyano-Anthracene Imprisoned in a Hemicarcerand".

*New J. Chem.* **1994**, *18*, 659.

- 183. N. Armaroli**, V. Balzani, I. Lüer, F. Vögtle  
"Supramolecular Photochemistry and Photophysics. Absorption Spectra and Luminescence Properties of a Large Cage Supermolecule and of Its Protonated Forms"  
*Gazz. Chim. Ital.* **1994**, *124*, 17.
- 184.** C. O. Dietrich-Buchecker, J.-F. Nierengarten, J.-P. Sauvage, **N. Armaroli**, V. Balzani, L. De Cola  
"Dicopper(I) Trefoil Knots and Related Unknotted Molecular Systems: Influence of Ring Size and Structural Factors on Their Synthesis, Electrochemical and Excited State Properties"  
[\*J. Am. Chem. Soc.\* \*\*1993\*\*, \*115\*, 11237-11244](#)
- 185. N. Armaroli**, L. De Cola, V. Balzani, J.-P. Sauvage, C. O. Dietrich-Buchecker, J.-M. Kern, A. Bailal  
"Absorption and emission Properties of a 2-catenand, its protonated forms and Its Li<sup>+</sup>, Cu<sup>+</sup>, Ag<sup>+</sup>, Co<sup>2+</sup>, Ni<sup>2+</sup>, Zn<sup>2+</sup>, Pd<sup>2+</sup>, and Cd<sup>2+</sup> Metal Complexes. Tuning of the Luminescence over the Whole Visible Spectral Region"  
[\*J. Chem. Soc. Dalton Trans.\* \*\*1993\*\*, 3241-3247](#)
- 186.** E. C. Constable, A. M. W. Cargill-Thompson, **N. Armaroli**, V. Balzani, M. Maestri  
"Ligand Substitution Patterns Control Photophysical Properties of Ruthenium(II)-2,2':6'2''-Terpyridine Complexes. Room Temperature Emission from [Ru(tpy)<sub>2</sub>]<sup>2+</sup> Analogues"  
[\*Polyhedron\* \*\*1992\*\*, \*11\*, 2707-2709](#)
- 187. N. Armaroli**, L. De Cola, V. Balzani, J.-P. Sauvage, C. O. Dietrich-Buchecker, J.-M. Kern  
"Absorption and Luminescence Properties of 1, 10-Phenanthroline, 2,9-Diphenyl-1,10-Phenanthroline, 2,9-Dianisyl-1,10-Phenanthroline and their Protonated Forms in Dichloromethane Solution"  
[\*J. Chem. Soc. Faraday Trans.\* \*\*1992\*\*, \*88\*, 553-556](#)
- 188.** F. Vögtle, I. Lüer, V. Balzani, **N. Armaroli**  
"Endoreceptors with Convergent Phenanthroline Units: a Molecular Cavity for Six Guest Molecules"  
[\*Angew. Chem. Int. Ed. Engl.\* \*\*1991\*\*, \*30\*, 1333-1336](#)
- 189. N. Armaroli**, V. Balzani, F. Barigelletti, L. De Cola, J.-P. Sauvage, C. Hemmert  
"Excited-State Properties in Supramolecular Systems. Luminescence and Intercomponent Interactions in a [3]-Catenand and Some [3]-Catenates"  
[\*J. Am. Chem. Soc.\* \*\*1991\*\*, \*113\*, 4033-4035](#)

## BOOKS

- 1. N. Armaroli**, H. J. Bolink (Eds.)  
["Photoluminescent Materials and Electroluminescent Devices"](#)  
*Springer*, **2017**, 978-3-319-59302-9, 395 pages

2. **N. Armaroli**, V. Balzani  
[“Energia per l’astronave Terra. Terza Edizione – L’Era delle Rinnovabili”](#)  
*Zanichelli*, **2017**, ISBN 978-88-08-52087-6, pagg. 296
3. **N. Armaroli**, V. Balzani, N. Serpone  
[“Powering Planet Earth. Energy Solutions for the Future”](#)  
*Wiley-VCH*, **2013**, ISBN: 978-3-527-33409-4, DOI: 10.1002/9783527667390, 240 pages
4. **N. Armaroli**, V. Balzani  
 “Energia per l’astronave Terra. Nuova edizione aggiornata e ampliata con gli scenari energetici per l’Italia di domani”  
*Zanichelli*, **2011**, ISBN 978-88-08-19719-1, pagg. 287.
5. **N. Armaroli**, V. Balzani  
[“Energy for a sustainable world. From the oil age to a sun-powered world”](#)  
*Wiley-VCH*, **2011**, ISBN: 978-3-527-32540-5, DOI: 10.1002/9783527633593, 368 pages  
 For the Chinese edition, [click here](#)
6. **N. Armaroli**, V. Balzani  
 “Energia per l’astronave Terra. Quanta ne produciamo, come la consumiamo, cosa ci riserva il futuro”  
*Zanichelli*, **2008**, ISBN 978-88-08-06391-5, pagg. 240.  
**Premio Letterario Galileo 2009 for Science Dissemination**
7. **N. Armaroli**, V. Balzani  
 “Energia oggi e domani. Prospettive, sfide, speranze”  
*Bononia University Press*, **2004**, ISBN: 88-7395-093-0, pagg.188.

## BOOK CHAPTERS IN ENGLISH

1. F. Monti, **N. Armaroli**  
 "Molecular Engineering for Solar Energy Conversion and Lighting Materials", *Chapter 5 in*  
[“New Horizons in Nanoscience and Engineering” – D. L. Andrews, J. G. Grote \(Eds.\)](#)  
*SPIE Press*, Bellingham, Washington, **2015**, pp. 191-231 – ISBN: 9781628417951
2. F. Monti, E. Pavoni, **N. Armaroli**  
 "Nanomaterials for Lighting and Solar Energy Conversion"  
[“Nano-Structures for Optics and Photonics: Optical Strategies for Enhancing Sensing, Imaging, Communications and Energy Conversion” – B. Di Bartolo, J. Collins, L. Silvestri \(Eds.\) - NATO Science for Peace and Security Series B: Physics and Biophysics](#)  
*Springer (Berlin)*, **2015**, pp. 373-414 – ISBN: 978-94-017-9132-8
3. **N. Armaroli**, G. Accorsi  
 "Light-Induced Processes in Fullerene Multicomponent Systems"  
[Fullerenes: Principles and Applications, F. Langa and J.-F. Nierengarten \(Eds.\)](#)

RSC Nanoscience and Nanotechnology Series, Chapter 4, Royal Society of Chemistry (Cambridge, UK), **2007**, pp. 79-126 – ISBN: 978-0-85404-551-8

4. Y. Rio, J.-F. Nierengarten, G. Accorsi, **N. Armaroli**  
"Nanoencapsulation of Fullerene in Dendrimers"  
[Frontiers of Multifunctional Integrated Nanosystems, E. Buzaneva and P. Scharff \(Eds.\)](#)  
Kluwer Academic Publishers (Dordrecht, The Netherlands), **2004**, pp. 63-70 - ISBN: 1-4020-2173-9
5. **N. Armaroli**  
"Photoinduced Energy Transfer Process in Functionalized Fullerenes"  
[Fullerenes: From Synthesis to Optoelectronic Properties, D. Guldi and N. Martin \(Eds.\)](#)  
Kluwer Academic Publishers (Dordrecht, The Netherlands), **2002**, pp. 137-162 – ISBN: 978-1-4020-0983-9
6. **N. Armaroli**, J.-C. Chambron, J.-P. Collin, C. O. Dietrich-Buchecker, L. Flamigni, J.-M. Kern, J.-P. Sauvage  
"Metal Assembled Catenanes, Rotaxanes, and Knots"  
[Electron Transfer in Chemistry, Vol. 3, V. Balzani Ed.](#)  
Wiley-VCH (Weinheim, Germany), **2001**, pp. 582-654 – ISBN: 9783527299126
7. V. Balzani, A. Credi, **N. Armaroli**  
"Supramolecular Photochemistry: Recent Advances"  
[Physical Supramolecular Chemistry, L. Echegoyen and A. E. Kaifer \(Eds.\)](#)  
Kluwer Academic Publishers (Dordrecht, The Netherlands), **1996**, pp. 163-177 – ISBN: 978-0-7923-4181-9

## PAPERS IN ITALIAN JOURNALS

1. **N. Armaroli**  
"Il pasto forzato"  
[I Martedì 2018, 41\(4\), 28-31](#)
2. **N. Armaroli**  
"Luce, chimica ed energia: un lungo viaggio"  
[Chim. Ind. Online 2018, 2 \(1\), 22-28](#)
3. V. Balzani, M. Venturi, **N. Armaroli**  
"Energia: risorse, offerta, domanda, limiti materiali e confini planetari"  
[Chim. Ind. 2014, 96 \(5\), 15-22](#)
4. **N. Armaroli**  
"Energia per il XXI secolo: sfide e opportunità per la chimica"  
[Chim. Ind. 2014, 96 \(3\), 12-16](#)
5. B. Ventura, I. Manet, A. Barbieri, A. Venturini, E. Bandini, **N. Armaroli**

"Optical sensing in diagnostics"

[Chim. Ind. 2013, 95 \(5\), 81-83](#)

6. **N. Armaroli**

"Le risorse naturali: sfida epocale per la scienza e l'etica"

[Rivista di Teologia Morale, n. 172 \(1\), 2011, pp. 511-515](#)

7. **N. Armaroli**

"Energie rinnovabili per l'astronave Terra"

[Cosmopolis, n. 2 \(V\), 2010](#)

8. **N. Armaroli**

"Le risorse energetiche come questione della custodia del creato"

[Rivista di Teologia Morale, n. 165 \(1\), 2010, pp. 31-36](#)

9. **N. Armaroli**

"Energia per tutti?"

*Prometeo - Rivista Trimestrale di Scienze e Storia*

Arnoldo Mondadori Editore, Anno 27, n. 208, Dicembre 2009, 30-37

10. **N. Armaroli**

"Energia ieri, oggi e domani"

*Atti e Memorie dell'Accademia del Petrarca di Lettere, Arti e Scienze* 2008, LXX, 241-270

11. **N. Armaroli**, V. Balzani

"Energia: è tempo di scelte strategiche"

[Chim. Ind. 2008, 90\(9\), 138-145](#)

12. **N. Armaroli**

"La cuccagna è finita"

[Sapere, agosto 2008, anno 74°, n. 4, 46-54](#)

13. **N. Armaroli**

"Le energie rinnovabili"

[Rivista di Teologia Morale 2007, 155, 351-361](#)

14. **N. Armaroli**, V. Balzani

"La crisi energetica: sfida ed opportunità"

[Chim. Ind. 2006, 88 \(7\), 66](#)

15. **N. Armaroli**, V. Balzani

"Gli Schiavi Energetici"

[KOS, Dicembre 2005, 22-27](#)

16. A. Barbieri, **N. Armaroli**

"OLLA illumina il futuro"

*Scienza On Line*, 17th March 2005, anno II, nr.14

17. **N. Armaroli**, C. Po  
"Centrali termoelettriche a gas naturale. Produzione di particolato primario e secondario"  
[\*Chim. Ind.\* \*\*2003\*\*, \*85\* \(9\), 45](#)
18. **N. Armaroli**, C. Po  
"Emissioni da centrali termoelettriche a gas naturale. La letteratura corrente e l'esperienza statunitense"  
[\*Chim. Ind.\* \*\*2003\*\*, \*85\* \(4\), 45](#)

## BOOK CHAPTERS IN ITALIAN

1. **N. Armaroli**, V. Balzani  
"La Transizione Energetica"  
[\*"Il Libro Verde sullo Spreco Energetico"\* - A. Segrè and M. Vittuari \(Eds.\)](#)  
Edizioni Ambiente (Milano) **2013**, pp. 19-30 – ISBN: 9788866270959
2. V. Balzani, **N. Armaroli**  
"Fonti di Energia e Modello di Sviluppo"  
[\*Le Fonti di Energia\*, S. Carrà \(Ed.\)](#)  
Il Mulino (Bologna), Collana I Prismi, **2008**, pp. 163-177 - ISBN: 9788815124159
3. **N. Armaroli**, S. Monti  
"Spettroscopia di Assorbimento Transiente"  
*Manuale del Fotochimico*, M.T. Gandolfi, L. Moggi, A. Juris (Eds.)  
*Cap. 6*, Bononia University Press (Bologna, Italy), **2006**, pp. 111-127 - ISBN: 8873951686

## CONFERENCE PROCEEDINGS PAPERS

1. **N. Armaroli**  
"Materiali luminescenti e futuro dell'illuminazione"  
[\*"Ciamician profeta dell'energia solare"\*](#)  
Atti del convegno storico-scientifico in occasione del 150° anniversario della nascita  
*Fondazione ENI Enrico Mattei. Grafica NG Multimedia*, **2009**, 151-172
2. G. Accorsi, **N. Armaroli**, A. Listorti, A. Barbieri  
"Key factors influencing the luminescence of Cu(I) complexes"  
[\*Luminescence\* \*\*2008\*\*, \*23\*, 192-193](#)
3. J.-F. Nierengarten, Y. Rio, G. Accorsi, **N. Armaroli**  
"C<sub>60</sub> Chromophores inside Dendritic Structures : Effects on Photophysical Properties"  
[\*Fullerenes, Proceedings Vol. 13: "Fullerenes and Nanotubes the Building Blocks of Next Generation Nanodevices"\*](#)  
D. M. Guldi, P. V. Kamat, and F. D'Souza (Eds.), The Electrochemical Society, Pennington

(USA), **2003**, 102-119

4. G. Accorsi, **N. Armaroli**, M. J. Gomez-Escalonilla, F. Langa, J.-F. Eckert, J.-F. Nierengarten  
"Controlling Photoinduced Energy and Electron Transfer in a Multicomponent Fullerene Array"  
*Fullerenes, Proceedings Vol. 12: The Exciting World of Nanocages and Nanotubes*  
P. V. Kamat, D. M. Guldi, and K. M. Kadish (Eds.), The Electrochemical Society, Pennington (USA), **2002**, 134-147
5. **N. Armaroli**, G. Marconi, L. Echegoyen, J.-P. Bourgeois, F. Diederich  
"Charge-Transfer Interactions and IR-luminescence in Face-to-Face Porphyrin-Fullerene Systems"  
*Fullerene 2000, Proceedings Vol. 9: Functionalized Fullerenes*  
M. Maggini, N. Martin, D. M. Guldi (Eds.), The Electrochemical Society, Pennington (USA), **2000**, 92-108
6. J.-F. Nierengarten, D. Felder, J.-L. Gallani, D. Guillon, J.-F. Nicoud, **N. Armaroli**, G. Marconi, V. Vicinelli, C. Boudon, J.-P. Gisselbrecht, M. Gross, H. Nierengarten, E. Leize, A. Van Dorselaer  
"Fullerodendrimers"  
*Fullerene 2000, Proceedings Vol. 9: Functionalized Fullerenes*  
M. Maggini, N. Martin, D. M. Guldi (Eds.), The Electrochemical Society, Pennington (USA), **2000**, 28-44
7. J.-F. Eckert, **N. Armaroli**, F. Barigelletti, P. Ceroni, J.-F. Nicoud, J.-F. Nierengarten  
"Synthesis and Electronic Properties of a C<sub>60</sub>-Oligophenylenevinylene Conjugate "  
*Fullerene 2000, Proceedings Vol. 8: Electrochemistry and Photochemistry*  
S. Fukuzumi, F. D'Souza (Eds.), The Electrochemical Society, Pennington (USA), **2000**, 256-266
8. **N. Armaroli**, V. Balzani, L. De Cola, M. Maestri  
"Cage Systems, Catenands, Catenates, and Knots"  
*Macrocyclic and Supramolecular Chemistry in Italy*, V. Savelli Ed., University of Perugia, **1995**, 151-164