

PAPERS IN INTERNATIONAL JOURNALS

1. A. Baschieri, L. Sambri, A. Mazzanti, A. Carlone, F. Monti, **N. Armaroli**
"Iridium(III) Complexes with Fluorinated Phenyl-tetrazoles as Cyclometalating Ligands: Enhanced Excited-State Energy and Blue Emission"
[Inorg. Chem. 2020, 59, 16238-16250](#)
2. S. Gao, B. Balan, K. Yoosaf, F. Monti, E. Bandini, A. Barbieri, **N. Armaroli**
"Highly Efficient Luminescent Solar Concentrators Based on Benzoheterodiazole Dyes with Large Stokes' Shifts"
[Chem. Eur. J. 2020, 26, 11013-11023](#)
Cover page article. Invited paper and hot paper. Special Issue on for the 8th EuChemS Chemistry Conference.
3. F. Monti, A. Barbieri, **N. Armaroli**
"Battery Electric Vehicles: Perspectives and Challenges"
[Substantia 2019, 3\(2\), 75-89](#)
Invited paper, Special Issue on Sustainability and Energy in the occasion of the International Year of the Periodic Table.
4. E. Matteucci, A. Baschieri, L. Sambri, F. Monti, E. Pavoni, E. Bandini, **N. Armaroli**
"Carbazole-Terpyridine Donor-Acceptor Dyads with Rigid π -Conjugated Bridges"
[ChemPlusChem 2019, 84, 1353-1365](#)
Invited paper, Special Issue on pi-Conjugated Macro(molecules)
5. J.-F. Nierengarten, I. Nierengarten, M. Holler, A. Sournia-Saquet, B. Delavaux-Nicot, E. Leoni, F. Monti, **N. Armaroli**
"Dinuclear Copper(I) Complexes Combining Bis(diphenylphosphanyl)acetylene with 1,10-Phenanthroline Ligands".
[Eur. J. Inorg. Chem. 2019, 2665-2673](#) - COVER PAGE ARTICLE
6. **N. Armaroli**
"In my Element: Iridium"
[Chem. Eur. J. 2019, 25, 5104](#) – IYPT 2019 Invited Essay
7. A. Baschieri, F. Monti, **N. Armaroli**, G. Mazzotti, L. Giorgini, L. Sambri, T. Benelli
"Luminescent methacrylic copolymers with side-chain cyclometalated iridium(III) complexes"
[Dyes and Pigments 2019, 160, 188-197](#)
8. E. Leoni, J. Mohanraj, M. Holler, M. Mohankumar, I. Nierengarten, F. Monti, A. Sournia-Saquet, B. Delavaux-Nicot, J.-F. Nierengarten, **N. Armaroli**
"Heteroleptic Cu(I) Complexes Prepared from Phenanthroline and Bis-Phosphine Ligands: Rationalization of the Photophysical and Electrochemical Properties"
[Inorg. Chem. 2018, 57, 15537-15549](#)
9. 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^I Rotaxane with a Superacceptor Stopper: Ultrafast Excited-State Dynamics and Near-Infrared Luminescence"
[Chem. Eur. J. 2018, 24, 10422-10433](#)

10. 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](#)
11. 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](#)
12. 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](#)
13. J. Mohanraj, A. Barbieri, **N. Armaroli**, M. Vizuete, F. Langa, B. Delavaux-Nicot, M. Vartanian, J. lehl, U. Hahn, J.-F. Nierengarten
 "Efficient photoinduced energy- and electron-transfer in Zn^{II}-Porphyrin / Fullerene dyads with interchromophoric distance up to 2.6 nm and no wire-like connectivity"
[*Chem. Eur. J.* **2017**, *23*, 14200-14212](#)
14. 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](#)
15. A. Nano, M.P. Gullo, B. Ventura, A. Barbieri, **N. Armaroli**, R. Ziesel
 "Color-Tunable Heterodinuclear Pt(II)/B(III) and Pt(II)/Ir(III) Arrays with N[^]O-julolidine Ligands"
[*Inorg. Chem.* **2017**, *56*, 4807-4817](#)
16. 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](#)
17. 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](#)
18. 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](#)
19. 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](#)
20. **N. Armaroli**, H. J. Bolink

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21. 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”
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22. 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](#)
23. **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](#), 20th Anniversary Invited Review
24. 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](#)
25. 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](#)
26. 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](#)
27. 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](#)
28. 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”
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29. 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](#)
30. 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”
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33. 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"
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 "Dinuclear Cu(I) Complexes Prepared from 2-diphenylphosphino-6-methylpyridine"
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 "Homoleptic and Heteroleptic Ru^{II} Complexes with Extended Phenanthroline-based Ligands"
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36. V. K. Praveen, C. Ranjith, E. Bandini, A. Ajayaghosh, **N. Armaroli**
 "Oligophenylenevinylene Hybrids and Self-Assemblies: Versatile Materials for Excitation Energy Transfer"
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37. A. Kaeser, O. Moudam, G. Accorsi, I. Séguy, J. Navarro, A. Belbakra, C. Duhayon, **N. Armaroli**, B. Delavaux-Nicot, J.-F. Nierengarten
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39. 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 C₆₀ and a C₆₀-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](#)
40. 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"

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42. J. M. Malicka, A. Sandeep, F. Monti, E. Bandini, M. Gazzano, C. Ranjith, V. K. Praveen, A. Ajayaghosh, **N. Armaroli**
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43. 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
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45. J. Mohanraj, **N. Armaroli**
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46. 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
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50. C. Femoni, S. Muzzioli, A. Palazzi, S. Stagni, S. Zacchini, F. Monti, G. Accorsi, M. Bolognesi, **N. Armaroli**, M. Massi, G. Valenti, M. Marcaccio.

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53. 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
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55. N. M. Shavaleev, F. Monti, R. Scopelliti, **N. Armaroli**, M. Graetzel, M.K. Nazeeruddin
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60. 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"

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