

Alessia Colombo

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87
papers

2,440
citations

31
h-index

44
g-index

94
ext. papers

2,759
ext. citations

5.2
avg. IF

4.92
L-index

#	Paper	IF	Citations
87	Second-order NLO switches from molecules to polymer films based on photochromic cyclometalated platinum(II) complexes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5367-75	16.4	159
86	Cyclometalated platinum(II) complexes of 1,3-di(2-pyridyl)benzenes: tuning excimer emission from red to near-infrared for NIR-OLEDs. <i>Journal of Materials Chemistry</i> , 2011 , 21, 15501		89
85	Luminescent Downshifting by Photo-Induced Sol-Gel Hybrid Coatings: Accessing Multifunctionality on Flexible Organic Photovoltaics via Ambient Temperature Material Processing. <i>Advanced Electronic Materials</i> , 2016 , 2, 1600288	6.4	73
84	Cyclometalated platinum(II) complexes of 1,3-di(2-pyridyl)benzenes for solution-processable WOLEDs exploiting monomer and excimer phosphorescence. <i>Journal of Materials Chemistry</i> , 2011 , 21, 8653		70
83	An unprecedented switching of the second-order nonlinear optical response in aggregate bis(salicylaldiminato)zinc(II) Schiff-base complexes. <i>Dalton Transactions</i> , 2012 , 41, 7013-6	4.3	68
82	Novel N ^C N-cyclometalated platinum complexes with acetylide co-ligands as efficient phosphors for OLEDs. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10650		66
81	Versatile copper complexes as a convenient springboard for both dyes and redox mediators in dye sensitized solar cells. <i>Coordination Chemistry Reviews</i> , 2016 , 322, 69-93	23.2	64
80	Platinum(II) complexes with cyclometalated 5- π -delocalized-donor-1,3-di(2-pyridyl)benzene ligands as efficient phosphors for NIR-OLEDs. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 1791	7.1	61
79	From red to near infra-red OLEDs: the remarkable effect of changing from X = -Cl to -NCS in a cyclometalated [Pt(N ^C N)X] complex {N ^C N = 5-mesityl-1,3-di(2-pyridyl)benzene}. <i>Chemical Communications</i> , 2012 , 48, 3182-4	5.8	60
78	Luminescent cyclometalated Ir(III) and Pt(II) complexes with beta-diketonate ligands as highly active second-order NLO chromophores. <i>Chemical Communications</i> , 2010 , 46, 2414-6	5.8	56
77	Synthesis, characterization, optical absorption/fluorescence spectroscopy, and second-order nonlinear optical properties of aggregate molecular architectures of unsymmetrical Schiff-base zinc(II) complexes. <i>Dalton Transactions</i> , 2014 , 43, 2168-75	4.3	55
76	Linear and nonlinear optical properties of tris-cyclometalated phenylpyridine Ir(III) complexes incorporating π -conjugated substituents. <i>Inorganic Chemistry</i> , 2013 , 52, 7987-94	5.1	52
75	Sequential double second-order nonlinear optical switch by an acido-triggered photochromic cyclometalated platinum(II) complex. <i>Chemical Communications</i> , 2015 , 51, 7805-8	5.8	51
74	Tetracoordinated Bis-phenanthroline Copper-Complex Couple as Efficient Redox Mediators for Dye Solar Cells. <i>Inorganic Chemistry</i> , 2016 , 55, 5245-53	5.1	49
73	Efficient copper mediators based on bulky asymmetric phenanthrolines for DSSCs. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13945-55	9.5	46
72	Simple novel cyclometalated iridium complexes for potential application in dye-sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2012 , 388, 163-167	2.7	46
71	Thiocyanate-free ruthenium(II) sensitizer with a pyrid-2-yltetrazolate ligand for dye-sensitized solar cells. <i>Inorganic Chemistry</i> , 2013 , 52, 10723-5	5.1	43

70	Tuning the dipolar second-order nonlinear optical properties of cyclometalated platinum(II) complexes with tridentate N ^C N binding ligands. <i>Chemistry - A European Journal</i> , 2013 , 19, 9875-83	4.8	41
69	Olefin metathesis based approach to diversely functionalized pyrrolizidines and indolizidines; total synthesis of (+)-monomorine. <i>Journal of Organic Chemistry</i> , 2009 , 74, 590-6	4.2	41
68	Neutral N ^C N terdentate luminescent Pt(II) complexes: their synthesis, photophysical properties, and bio-imaging applications. <i>Dalton Transactions</i> , 2015 , 44, 8478-87	4.3	40
67	Novel ruthenium(II) complexes with substituted 1,10-phenanthroline or 4,5-diazafluorene linked to a fullerene as highly active second order NLO chromophores. <i>Dalton Transactions</i> , 2010 , 39, 10314-8	4.3	39
66	Unexpectedly high second-order nonlinear optical properties of simple Ru and Pt alkynyl complexes as an analytical springboard for NLO-active polymer films. <i>Chemical Communications</i> , 2014 , 50, 7986-9	5.8	38
65	Cyclometalated 4-Styryl-2-phenylpyridine Platinum(II) Acetylacetonate Complexes as Second-Order NLO Building Blocks for SHG Active Polymeric Films. <i>Organometallics</i> , 2013 , 32, 3890-3894	3.8	38
64	Thiocyanate-free cyclometalated ruthenium sensitizers for solar cells based on heteroaromatic-substituted 2-arylpyridines. <i>Dalton Transactions</i> , 2012 , 41, 11731-8	4.3	37
63	Dimers of polar chromophores in solution: role of excitonic interactions in one- and two-photon absorption properties. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 11099-109	3.6	37
62	A new thiocyanate-free cyclometalated ruthenium complex for dye-sensitized solar cells: Beneficial effects of substitution on the cyclometalated ligand. <i>Journal of Organometallic Chemistry</i> , 2012 , 714, 88-93	2.3	36
61	Functionalized styryl iridium(III) complexes as active second-order NLO chromophores and building blocks for SHG polymeric films. <i>Journal of Organometallic Chemistry</i> , 2014 , 751, 568-572	2.3	35
60	Coupling of a Copper Dye with a Copper Electrolyte: A Fascinating Springboard for Sustainable Dye-Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , 2018 , 1, 751-756	6.1	34
59	Thiocyanate-free ruthenium(II) 2,2'-bipyridyl complexes for dye-sensitized solar cells. <i>Polyhedron</i> , 2014 , 82, 50-56	2.7	33
58	Photochromic DTE-Substituted-1,3-di(2-pyridyl)benzene Platinum(II) Complexes: Photomodulation of Luminescence and Second-Order Nonlinear Optical Properties. <i>Inorganic Chemistry</i> , 2018 , 57, 7051-7063	5.1	32
57	Towards efficient sustainable full-copper dye-sensitized solar cells. <i>Dalton Transactions</i> , 2019 , 48, 9703-9711	4.1	31
56	Degradation of toxic halogenated organic compounds by iron-containing mono-, bi- and tri-metallic particles in water. <i>Inorganica Chimica Acta</i> , 2015 , 431, 48-60	2.7	31
55	UV-curable fluoropolymers crosslinked with functional fluorescent dyes: the way to multifunctional thin-film luminescent solar concentrators. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 9067-9075	13	29
54	Photoswitching of the Second Harmonic Generation from Poled Phenyl-Substituted Dithienylethene Thin Films and EFISH Measurements. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 20425-20432	2.8	29
53	Ferrocene-quinoxaline Y-shaped chromophores as fascinating second-order NLO building blocks for long lasting highly active SHG polymeric films. <i>Dalton Transactions</i> , 2016 , 45, 11939-43	4.3	28

52	Steric vs electronic effects and solvent coordination in the electrochemistry of phenanthroline-based copper complexes. <i>Electrochimica Acta</i> , 2014 , 141, 324-330	6.7	27
51	Functionalized Ruthenium Dialkynyl Complexes with High Second-Order Nonlinear Optical Properties and Good Potential as Dye Sensitizers for Solar Cells. <i>Organometallics</i> , 2015 , 34, 94-104	3.8	25
50	A trip in the nonlinear optical properties of iridium complexes. <i>Coordination Chemistry Reviews</i> , 2020 , 414, 213293	23.2	25
49	Coupling of Zinc Porphyrin Dyes and Copper Electrolytes: A Springboard for Novel Sustainable Dye-Sensitized Solar Cells. <i>Inorganic Chemistry</i> , 2017 , 56, 14189-14197	5.1	24
48	A simple copper(I) complex and its application in efficient dye sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2013 , 407, 204-209	2.7	24
47	New thiocyanate-free ruthenium(II) sensitizers with different pyrid-2-yl tetrazolate ligands for dye-sensitized solar cells. <i>Dalton Transactions</i> , 2015 , 44, 11788-96	4.3	24
46	A Highly Luminescent Tetrahydrocurcumin Ir Complex with Remarkable Photoactivated Anticancer Activity. <i>Chemistry - A European Journal</i> , 2019 , 25, 7948-7952	4.8	23
45	Ruthenium oxyquinolate complexes for dye-sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2013 , 405, 98-104	2.7	23
44	A Novel Diruthenium Acetylide Donor Complex as an Unusual Active Material for Bulk Heterojunction Solar Cells. <i>Organometallics</i> , 2011 , 30, 1279-1282	3.8	23
43	A chemoenzymatic-RCM strategy for the enantioselective synthesis of new dihydroxylated 5-hydroxymethyl-indolizidines and 6-hydroxymethyl-quinolizidines. <i>Tetrahedron: Asymmetry</i> , 2007 , 18, 1948-1954		22
42	Two-photon absorption properties of Zn(II) complexes: Unexpected large TPA cross section of dipolar [ZnY ₂ (4,4'-bis(para-di-n-butylaminostyryl)-2,2'-bipyridine)] (Y=Cl, CF ₃ CO ₂). <i>Chemical Physics Letters</i> , 2009 , 475, 245-249	2.5	21
41	Evidence for the applicability of a novel procedure (swelling/poling/deswelling) to produce a stable alignment of second order NLO-chromophores covalently attached to a cross-linked PMMA or polystyrene polymeric network. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 2075-2080	3.9	18
40	Novel Fullerene Platinum Alkynyl Complexes with High Second-Order Nonlinear Optical Properties as a Springboard for NLO-Active Polymer Films. <i>Organometallics</i> , 2016 , 35, 1015-1021	3.8	18
39	Zinc(II) as a Versatile Template for Efficient Dipolar and Octupolar Second-Order Nonlinear Optical Molecular Materials. <i>Inorganics</i> , 2018 , 6, 133	2.9	18
38	A carbon doped anatase TiO ₂ as a promising semiconducting layer in Ru-dyes based dye-sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2019 , 489, 263-268	2.7	17
37	Two-photon absorption properties and (1)O ₂ generation ability of Ir complexes: an unexpected large cross section of [Ir(CO)2Cl(4-(para-di-n-butylaminostyryl)pyridine)]. <i>Dalton Transactions</i> , 2015 , 44, 15712-20	4.3	17
36	Nonlinear optical properties of intriguing Ru acetylide complexes and the use of a photocrosslinked polymer as a springboard to obtain SHG active thin films. <i>Dalton Transactions</i> , 2016 , 45, 11052-60	4.3	17
35	Double side self-cleaning polymeric materials: The hydrophobic and photoactive approach. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015 , 483, 285-291	5.1	16

34	New [(D-terpyridine)-Ru-(D or A-terpyridine)][4-EtPhCO ₂] ₂ complexes (D = electron donor group; A = electron acceptor group) as active second-order non linear optical chromophores. <i>Dalton Transactions</i> , 2012 , 41, 6707-14	4.3	16
33	Optoelectronic properties of OLEC devices based on phenylquinoline and phenylpyridine ionic iridium complexes. <i>Dalton Transactions</i> , 2012 , 41, 9227-31	4.3	16
32	Contrasted photochromic and luminescent properties in dinuclear Pt(ii) complexes linked through a central dithienylethene unit. <i>Chemical Communications</i> , 2016 , 52, 9833-6	5.8	15
31	Highly emissive fluorescent silica-based core/shell nanoparticles for efficient and stable luminescent solar concentrators. <i>Nano Energy</i> , 2021 , 80, 105551	17.1	15
30	Improving the efficiency of copper-dye-sensitized solar cells by manipulating the electrolyte solution. <i>Dalton Transactions</i> , 2019 , 48, 9818-9823	4.3	14
29	The Effect of Bromo Substituents on the Multifaceted Emissive and Crystal-Packing Features of Cyclic Triimidazole Derivatives. <i>ChemPhotoChem</i> , 2018 , 2, 801-805	3.3	14
28	An investigation on the second-order NLO properties of novel cationic cyclometallated Ir(III) complexes of the type [Ir(2-phenylpyridine) ₂ (9-R-4,5-diazafluorene)] ⁺ (R = H, fulleridene) and the related neutral complex with the new 9-fulleriden-4-monoazafluorene ligand. <i>Inorganica Chimica Acta</i> , 2012 , 382, 72-78	2.7	14
27	An investigation on the second-order nonlinear optical response of cationic bipyridine or phenanthroline iridium(iii) complexes bearing cyclometallated 2-phenylpyridines with a triphenylamine substituent. <i>Dalton Transactions</i> , 2018 , 47, 8292-8300	4.3	14
26	A new spirocyclic proline-based lactam as efficient type II? Turn inducing peptidomimetic. <i>Tetrahedron Letters</i> , 2008 , 49, 7423-7425	2	13
25	NLO-active Y-shaped ferrocene conjugated imidazole chromophores as precursors for SHG polymeric films. <i>Dalton Transactions</i> , 2020 , 49, 1854-1863	4.3	13
24	Fluorescent probes based on chemically-stable core/shell microcapsules for visual microcrack detection. <i>Sensors and Actuators B: Chemical</i> , 2017 , 248, 35-42	8.5	12
23	Highly efficient acido-triggered reversible luminescent and nonlinear optical switch based on 5- π -delocalized-donor-1,3-di(2-pyridyl)benzenes. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7421-7427	7.1	12
22	First member of an appealing class of cyclometalated 1,3-di(2-pyridyl)benzene platinum(II) complexes for solution-processable OLEDs. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 7873-7881	7.1	12
21	Bis(1,10-phenanthroline) copper complexes with tailored molecular architecture: from electrochemical features to application as redox mediators in dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2018 , 271, 180-189	6.7	12
20	Tuning the dipolar second-order nonlinear optical properties of 5- π -delocalized-donor-1,3-di(2-pyridyl)benzenes, related cyclometallated platinum(ii) complexes and methylated salts. <i>Dalton Transactions</i> , 2017 , 46, 1179-1185	4.3	10
19	Copper Complexes as Alternative Redox Mediators in Dye-Sensitized Solar Cells. <i>Molecules</i> , 2021 , 26,	4.8	10
18	Intriguing C-HCu interactions in bis-(phenanthroline)Cu(i) redox mediators for dye-sensitized solar cells. <i>Dalton Transactions</i> , 2018 , 47, 1018-1022	4.3	10
17	A Chiral Bis(salicylaldiminato)zinc(II) Complex with Second-Order Nonlinear Optical and Luminescent Properties in Solution. <i>Inorganics</i> , 2020 , 8, 25	2.9	9

16	Design of cyclometallated 5- π -delocalized donor-1,3-di(2-pyridyl)benzene platinum(II) complexes with second-order nonlinear optical properties. <i>Polyhedron</i> , 2018 , 140, 74-77	2.7	9
15	A novel multifunctional cyclometallated iridium(III) complex with interesting second-order nonlinear optical properties and two-photon absorption activity. <i>Polyhedron</i> , 2018 , 140, 116-121	2.7	9
14	Novel cyclometallated 5- π -delocalized donor-1,3-di(2-pyridyl)benzene platinum(ii) complexes with good second-order nonlinear optical properties. <i>Dalton Transactions</i> , 2018 , 48, 202-208	4.3	8
13	Novel Terthiophene-Substituted Fullerene Derivatives as Easily Accessible Acceptor Molecules for Bulk-Heterojunction Polymer Solar Cells. <i>International Journal of Photoenergy</i> , 2014 , 2014, 1-10	2.1	8
12	Novel highly conjugated push-pull 4,5-diazafluoren-9-ylidene based efficient NLO chromophores as a springboard for coordination complexes with large second-order NLO properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 19761		8
11	Fascinating role of the number of f electrons in dipolar and octupolar contributions to quadratic hyperpolarizability of trinuclear lanthanides-biscopper Schiff base complexes. <i>Inorganic Chemistry</i> , 2013 , 52, 7550-6	5.1	8
10	Asymmetrical 1,3-Bis(heteroazolyl)benzene Platinum Complexes with Tunable Second-Order Non-Linear Optical Properties. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 4774-4782	2.3	8
9	Novel Ferrocene-Appended β -ketoimines and Related BF Derivatives with Significant Aggregation-Induced Emission and Second-Order Nonlinear Optical Properties. <i>Chemistry - A European Journal</i> , 2021 , 27, 7124-7137	4.8	6
8	An excursion in the second-order nonlinear optical properties of platinum complexes. <i>Coordination Chemistry Reviews</i> , 2021 , 446, 214113	23.2	5
7	Perylenetetracarboxy-3,4:9,10-diimide derivatives with large two-photon absorption activity. <i>New Journal of Chemistry</i> , 2019 , 43, 1885-1893	3.6	4
6	Synthesis of 2-alkenylidene-3-oxoindolines: cascade reactions of 4H-furo [3,2-b]indoles with diazoacetates catalyzed by a Cu(I) macrocyclic pyridine-containing ligand (PCL) complex. <i>ChemCatChem</i> , 2020 , 12, 5250-5255	5.2	3
5	Exohedral Functionalization of Fullerene by Substituents Controlling of Molecular Organization for Spontaneous C Dimerization in Liquid Crystal Solutions and in a Bulk Controlled by a Potential. <i>Polymers</i> , 2021 , 13,	4.5	3
4	Impact of the Subunit Arrangement on the Nonlinear Absorption Properties of Organometallic Complexes with Ruthenium(II) β -Acetylide and Benzothiadiazole as Building Units \S . <i>Inorganics</i> , 2019 , 7, 67	2.9	2
3	Cyclometalated Ir(III) Complexes with Curcuminoid Ligands as Active Second-Order NLO Chromophores and Building Blocks for SHG Polymeric Films. <i>Inorganics</i> , 2020 , 8, 36	2.9	2
2	Strategies for tuning the catalytic activity of zinc complexes in the solvent-free coupling reaction of CO ₂ and cyclohexene oxide. <i>Inorganica Chimica Acta</i> , 2022 , 532, 120753	2.7	1
1	The intriguing effect of thiolates as co-ligands in platinum(II) complexes bearing a cyclometalated 1,3-di(2-pyridyl)benzene. <i>Inorganica Chimica Acta</i> , 2022 , 532, 120744	2.7	1