Claudia Dragonetti

List of Publications by Year
in descending order

89 papers	3,235 citations	101384 36 h-index	168136 53 g-index
89 all docs	89 docs citations	89 times ranked	3396 citing authors

#	Article	IF	Citations
1	Second-Order NLO Switches from Molecules to Polymer Films Based on Photochromic Cyclometalated Platinum(II) Complexes. Journal of the American Chemical Society, 2014, 136, 5367-5375.	6.6	184
2	The Role of Substituents on Functionalized 1,10-Phenanthroline in Controlling the Emission Properties of Cationic Iridium(III) Complexes of Interest for Electroluminescent Devices. Inorganic Chemistry, 2007, 46, 8533-8547.	1.9	164
3	Multifunctional Luminescent Downâ€Shifting Fluoropolymer Coatings: A Straightforward Strategy to Improve the UVâ€Light Harvesting Ability and Longâ€Term Outdoor Stability of Organic Dyeâ€Sensitized Solar Cells. Advanced Energy Materials, 2015, 5, 1401312.	10.2	103
4	Cyclometallated platinum(ii) complexes of 1,3-di(2-pyridyl)benzenes: tuning excimer emission from red to near-infrared for NIR-OLEDs. Journal of Materials Chemistry, 2011, 21, 15501.	6.7	100
5	Linear and Nonlinear Optical Properties of Cationic Bipyridyl Iridium(III) Complexes: Tunable and Photoswitchable?. Inorganic Chemistry, 2011, 50, 5027-5038.	1.9	93
6	Cyclometallated iridium(iii) complexes with substituted 1,10-phenanthrolines: a new class of highly active organometallic second order NLO-phores with excellent transparency with respect to second harmonic emission. Chemical Communications, 2007, , 4116.	2.2	87
7	Novel N^C^N-cyclometallated platinum complexes with acetylide co-ligands as efficient phosphors for OLEDs. Journal of Materials Chemistry, 2012, 22, 10650.	6.7	81
8	Cyclometallated platinum(ii) complexes of 1,3-di(2-pyridyl)benzenes for solution-processable WOLEDs exploiting monomer and excimer phosphorescence. Journal of Materials Chemistry, 2011, 21, 8653.	6.7	78
9	Platinum(ii) complexes with cyclometallated 5-Ï€-delocalized-donor-1,3-di(2-pyridyl)benzene ligands as efficient phosphors for NIR-OLEDs. Journal of Materials Chemistry C, 2014, 2, 1791.	2.7	78
10	Versatile copper complexes as a convenient springboard for both dyes and redox mediators in dye sensitized solar cells. Coordination Chemistry Reviews, 2016, 322, 69-93.	9.5	76
11	From red to near infra-red OLEDs: the remarkable effect of changing from X = â€“Cl to â€“NCS in a cyclometallated [Pt(Nâ^§Câ^§N)X] complex {Nâ^§Câ^§N = 5-mesityl-1,3-di-(2-pyridyl)benzene}. Chemical Communications, 2012, 48, 3182.	2.2	72
12	An unprecedented switching of the second-order nonlinear optical response in aggregate bis(salicylaldiminato)zinc(ii) Schiff-base complexes. Dalton Transactions, 2012, 41, 7013.	1.6	72
13	Cyclometalated Ir^{III} Complexes with Substituted 1,10â€Phenanthrolines: A New Class of Efficient Cationic Organometallic Secondâ€Order NLO Chromophores. Chemistry - A European Journal, 2010, 16, 4814-4825.	1.7	65
14	Luminescent cyclometallated Ir(iii) and Pt(ii) complexes with Î²-diketonate ligands as highly active second-order NLO chromophores. Chemical Communications, 2010, 46, 2414.	2.2	64
15	An acido-triggered reversible luminescent and nonlinear optical switch based on a substituted styrylpyridine: EFISH measurements as an unusual method to reveal a protonationâ€“deprotonation NLO contrast. Chemical Communications, 2014, 50, 1608.	2.2	61
16	Linear and Nonlinear Optical Properties of Tris-cyclometalated Phenylpyridine Ir(III) Complexes Incorporating Ï€-Conjugated Substituents. Inorganic Chemistry, 2013, 52, 7987-7994.	1.9	60
17	Synthesis, characterization, optical absorption/fluorescence spectroscopy, and second-order nonlinear optical properties of aggregate molecular architectures of unsymmetrical Schiff-base zinc(<scp>ii</scp>) complexes. Dalton Transactions, 2014, 43, 2168-2175.	1.6	60
18	Tetracoordinated Bis-phenanthroline Copper-Complex Couple as Efficient Redox Mediators for Dye Solar Cells. Inorganic Chemistry, 2016, 55, 5245-5253.	1.9	60

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19	Sequential double second-order nonlinear optical switch by an acido-triggered photochromic cyclometallated platinum(<scp>ii</scp>) complex. Chemical Communications, 2015, 51, 7805-7808.	2.2	56
20	Efficient Copper Mediators Based on Bulky Asymmetric Phenanthrolines for DSSCs. ACS Applied Materials & Interfaces, 2014, 6, 13945-13955.	4.0	53
21	A 2D Semiconductorâ€“Selfâ€Assembled Monolayer Photoswitchable Diode. Advanced Materials, 2015, 27, 1426-1431.	11.1	52
22	Neutral N^C^N terdentate luminescent Pt(<scp>ii</scp>) complexes: their synthesis, photophysical properties, and bio-imaging applications. Dalton Transactions, 2015, 44, 8478-8487.	1.6	50
23	Simple novel cyclometallated iridium complexes for potential application in dye-sensitized solar cells. Inorganica Chimica Acta, 2012, 388, 163-167.	1.2	49
24	Excimer Emission in Single Layer Electroluminescent Devices Based on [Ir(4,5-diphenyl-2-methylthiazolo)₂(5-methyl-1,10-phenanthroline)]⁺â€‰[PF₆]^{â’}. Journal of Physical Chemistry C, 2009, 113, 12517-12522.	4.5	48
25	Tuning the Dipolar Secondâ€Order Nonlinear Optical Properties of Cyclometalated Platinum(II) Complexes with Tridentate N^C^N Binding Ligands. Chemistry - A European Journal, 2013, 19, 9875-9883.	1.7	48
26	Thiocyanate-Free Ruthenium(II) Sensitizer with a Pyrid-2-yltetrazolate Ligand for Dye-Sensitized Solar Cells. Inorganic Chemistry, 2013, 52, 10723-10725.	1.9	47
27	Towards efficient sustainable full-copper dye-sensitized solar cells. Dalton Transactions, 2019, 48, 9703-9711.	1.6	43
28	The role of 5-R-1,10-phenanthroline (R=CH3, NO2) on the emission properties and second-order NLO response of cationic Ir(III) organometallic chromophores. Inorganica Chimica Acta, 2008, 361, 4070-4076.	1.2	41
29	Cyclometalated 4-Styryl-2-phenylpyridine Platinum(II) Acetylacetonate Complexes as Second-Order NLO Building Blocks for SHG Active Polymeric Films. Organometallics, 2013, 32, 3890-3894.	1.1	41
30	Unexpectedly high second-order nonlinear optical properties of simple Ru and Pt alkynyl complexes as an analytical springboard for NLO-active polymer films. Chemical Communications, 2014, 50, 7986.	2.2	41
31	Novel ruthenium(ii) complexes with substituted 1,10-phenanthroline or 4,5-diazafluorene linked to a fullerene as highly active second order NLO chromophores. Dalton Transactions, 2010, 39, 10314.	1.6	40
32	Dimers of polar chromophores in solution: role of excitonic interactions in one- and two-photon absorption properties. Physical Chemistry Chemical Physics, 2011, 13, 11099.	1.3	39
33	Thiocyanate-free cyclometalated ruthenium sensitizers for solar cells based on heteroaromatic-substituted 2-arylpyridines. Dalton Transactions, 2012, 41, 11731.	1.6	39
34	A new thiocyanate-free cyclometallated ruthenium complex for dye-sensitized solar cells: Beneficial effects of substitution on the cyclometallated ligand. Journal of Organometallic Chemistry, 2012, 714, 88-93.	0.8	38
35	Functionalized styryl iridium(III) complexes as active second-order NLO chromophores and building blocks for SHG polymeric films. Journal of Organometallic Chemistry, 2014, 751, 568-572.	0.8	38
36	Degradation of toxic halogenated organic compounds by iron-containing mono-, bi- and tri-metallic particles in water. Inorganica Chimica Acta, 2015, 431, 48-60.	1.2	37

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37	Thiocyanate-free ruthenium(II) 2,2â€²-bipyridyl complexes for dye-sensitized solar cells. Polyhedron, 2014, 82, 50-56.	1.0	36
38	A simple copper(I) complex and its application in efficient dye sensitized solar cells. Inorganica Chimica Acta, 2013, 407, 204-209.	1.2	34
39	Photoswitching of the Second Harmonic Generation from Poled Phenyl-Substituted Dithienylethene Thin Films and EFISH Measurements. Journal of Physical Chemistry C, 2011, 115, 20425-20432.	1.5	32
40	Tuning the optical emission of MoS2 nanosheets using proximal photoswitchable azobenzene molecules. Applied Physics Letters, 2014, 105, .	1.5	32
41	A Highly Luminescent Tetrahydrocurcumin Ir^{III} Complex with Remarkable Photoactivated Anticancer Activity. Chemistry - A European Journal, 2019, 25, 7948-7952.	1.7	32
42	Ferroceneâ€“quinoxaline Y-shaped chromophores as fascinating second-order NLO building blocks for long lasting highly active SHG polymeric films. Dalton Transactions, 2016, 45, 11939-11943.	1.6	31
43	Steric vs electronic effects and solvent coordination in the electrochemistry of phenanthroline-based copper complexes. Electrochimica Acta, 2014, 141, 324-330.	2.6	30
44	Effect of the Coordination to the â€œOs3(CO)11â€•Cluster Core on the Quadratic Hyperpolarizability of trans-4-(4â€˜-X-styryl)pyridines (X = NMe2, t-Bu, CF3) and trans,trans-4-(4â€˜-NMe2-phenyl-1,3-butadienyl)pyridine. Organometallics, 2004, 23, 687-692.	1.1	28
45	New thiocyanate-free ruthenium(<scp>ii</scp>) sensitizers with different pyrid-2-yl tetrazolate ligands for dye-sensitized solar cells. Dalton Transactions, 2015, 44, 11788-11796.	1.6	28
46	Functionalized Ruthenium Dialkynyl Complexes with High Second-Order Nonlinear Optical Properties and Good Potential as Dye Sensitizers for Solar Cells. Organometallics, 2015, 34, 94-104.	1.1	27
47	Unexpected Formation of a Weak Metalâ^'Metal Bond:Â Synthesis, Electronic Properties, and Second-Order NLO Responses of Pushâ^'Pull Lateâ^'Early Heteronuclear Bimetallic Complexes with W(CO)3(1,10-phenanthroline) Acting as a Donor Ligand. Organometallics, 2003, 22, 4001-4011.	1.1	26
48	A Novel Diruthenium Acetylide Donor Complex as an Unusual Active Material for Bulk Heterojunction Solar Cells. Organometallics, 2011, 30, 1279-1282.	1.1	24
49	Ruthenium oxyquinolate complexes for dye-sensitized solar cells. Inorganica Chimica Acta, 2013, 405, 98-104.	1.2	24
50	Two-photon absorption properties and¹O₂generation ability of Ir complexes: an unexpected large cross section of [Ir(CO)₂Cl(4-(para-di-n-butylaminostyryl)pyridine)]. Dalton Transactions, 2015, 44, 15712-15720.	1.6	21
51	Improving the efficiency of copper-dye-sensitized solar cells by manipulating the electrolyte solution. Dalton Transactions, 2019, 48, 9818-9823.	1.6	21
52	Novel Fullerene Platinum Alkynyl Complexes with High Second-Order Nonlinear Optical Properties as a Springboard for NLO-Active Polymer Films. Organometallics, 2016, 35, 1015-1021.	1.1	20
53	NLO-active Y-shaped ferrocene conjugated imidazole chromophores as precursors for SHG polymeric films. Dalton Transactions, 2020, 49, 1854-1863.	1.6	20
54	An excursion in the second-order nonlinear optical properties of platinum complexes. Coordination Chemistry Reviews, 2021, 446, 214113.	9.5	20

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55	An investigation on the second order nonlinear optical response of tris-cyclometallated Ir(<scp>iii</scp>) complexes with variously substituted 2-phenylpyridines. Dalton Transactions, 2013, 42, 155-159.	1.6	19
56	Nonlinear optical properties of intriguing Ru Ï*f*-acetylide complexes and the use of a photocrosslinked polymer as a springboard to obtain SHG active thin films. Dalton Transactions, 2016, 45, 11052-11060.	1.6	19
57	An investigation on the second-order nonlinear optical response of cationic bipyridine or phenanthroline iridium(<scp>iii</scp>) complexes bearing cyclometallated 2-phenylpyridines with a triphenylamine substituent. Dalton Transactions, 2018, 47, 8292-8300.	1.6	19
58	Reproducible high-yield syntheses of [Ru3(CO)12], [H4Ru4(CO)12], and [Ru6C(CO)16]2â^' by a convenient two-step methodology involving controlled reduction in ethylene glycol of RuCl3Â·nH2O. Journal of Organometallic Chemistry, 2003, 669, 44-47.	0.8	18
59	Evidence for the applicability of a novel procedure (swellingâ€"polingâ€"deswelling) to produce a stable alignment of second order NLO-chromophores covalently attached to a cross-linked PMMA or polystyrene polymeric network. Journal of Non-Crystalline Solids, 2011, 357, 2075-2080.	1.5	18
60	First member of an appealing class of cyclometalated 1,3-di-(2-pyridyl)benzene platinum(<scp>ii</scp>) complexes for solution-processable OLEDs. Journal of Materials Chemistry C, 2020, 8, 7873-7881.	2.7	18
61	Cationic cyclometallated iridium(III) complexes with substituted 1,10-phenanthrolines: the role of the cyclometallated moiety on this new class of complexes with interesting luminescent and second order non linear optical properties. Journal of Materials Science: Materials in Electronics, 2009, 20, 460-464.	1.1	17
62	Optoelectronic properties of OLEC devices based on phenylquinoline and phenylpyridine ionic iridium complexes. Dalton Transactions, 2012, 41, 9227.	1.6	17
63	The synthesis and behaviour of pyrazine mononuclear carbonyl complexes of Rh(I), Ir(I), Ru(II) and Os(II). Inorganica Chimica Acta, 2002, 330, 128-135.	1.2	16
64	Efficient catalytic hydration of acetonitrile to acetamide using [Os(CO)3Cl2]2. Journal of Molecular Catalysis A, 2003, 204-205, 279-285.	4.8	16
65	Surface-mediated organometallic synthesis: high-yield syntheses of [Rh4(CO)12], [Rh6(CO)16], [Rh5(CO)15]â^' and [Rh12(CO)30]2â^' by controlled reduction of silica-supported RhCl3 or [Rh(CO)2Cl]2 in the presence of CH3CO2Na, Na2CO3 or K2CO3. Inorganica Chimica Acta, 2003, 349, 189-194.	1.2	15
66	Surface-Mediated Organometallic Synthesis:Â The Role of the Oxidation State and of Ancillary Ligands in the High-Yield and Selective Syntheses of Platinum Carbonyl Dianions [Pt3(CO)6]n2-(n= 6, 5, 4, 3) by Reductive Carbonylation under Mild Conditions and in the Presence of Surface Basicity of Various Silica-Supported Pt(IV) or Pt(II) Compounds. Organometallics, 2007, 26, 310-315.	1.1	14
67	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. Inorganica Chimica Acta, 2012, 382, 72-78.	1.2	14
68	Highly efficient acido-triggered reversible luminescent and nonlinear optical switch based on 5-Ï€-delocalized-donor-1,3-di(2-pyridyl)benzenes. Journal of Materials Chemistry C, 2015, 3, 7421-7427.	2.7	14
69	The role of the cyclometallated moiety on the second order nonlinear optical properties of cationic Ir(III) organometallic NLO-phores. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, S50-S53.	0.8	13
70	Intriguing Câ€"Hâ‹¯Cu interactions in bis-(phenanthroline)Cu(<scp>i</scp>) redox mediators for dye-sensitized solar cells. Dalton Transactions, 2018, 47, 1018-1022.	1.6	13
71	Novel cyclometallated 5-Ï€-delocalized donor-1,3-di(2-pyridyl)benzene platinum(<scp>ii</scp>) complexes with good second-order nonlinear optical properties. Dalton Transactions, 2019, 48, 202-208.	1.6	12
72	Recent Advances in Dye-Sensitized Solar Cells. Molecules, 2021, 26, 2461.	1.7	12

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73	Recent Investigations on Thiocyanate-Free Ruthenium(II) 2,2â€²-Bipyridyl Complexes for Dye-Sensitized Solar Cells. Molecules, 2021, 26, 7638.	1.7	11
74	Novel highly conjugated pushâ€“pull 4,5-diazafluoren-9-ylidene based efficient NLO chromophores as a springboard for coordination complexes with large second-order NLO properties. Journal of Materials Chemistry, 2012, 22, 19761.	6.7	10
75	Fascinating Role of the Number of f Electrons in Dipolar and Octupolar Contributions to Quadratic Hyperpolarizability of Trinuclear Lanthanides-Biscopper Schiff Base Complexes. Inorganic Chemistry, 2013, 52, 7550-7556.	1.9	10
76	Asymmetrical 1,3-Bis(heteroazolyl)benzene Platinum Complexes with Tunable Second-Order Non-Linear Optical Properties. European Journal of Inorganic Chemistry, 2016, 2016, 4774-4782.	1.0	10
77	A three steps procedure (swellingâ€“polingâ€“deswelling) to produce a stable alignment of second order NLO-phores covalently attached to a cross-linked polymeric network. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 147, 293-297.	1.7	9
78	Highly stable 7-N,N-dibutylamino-2-azaphenanthrene and 8-N,N-dibutylamino-2-azachrysene as a new class of second order NLO-active chromophores. Chemical Communications, 2010, 46, 8374.	2.2	9
79	Novel Terthiophene-Substituted Fullerene Derivatives as Easily Accessible Acceptor Molecules for Bulk-Heterojunction Polymer Solar Cells. International Journal of Photoenergy, 2014, 2014, 1-10.	1.4	8
80	Surface organometallic chemistry Â— Carbonyl complexes of Re(I) with silanolates as models of silica anchored rhenium carbonyl species. Canadian Journal of Chemistry, 2005, 83, 1017-1024.	0.6	7
81	Perylenetetracarboxy-3,4:9,10-diimide derivatives with large two-photon absorption activity. New Journal of Chemistry, 2019, 43, 1885-1893.	1.4	7
82	Variable temperature 1H NMR and X-ray diffraction characterisation of [H5Os10(CO)24]â^' obtained in reproducible and high yields by hydrogenation of silica-supported [Os(CO)3(OH)2]n. Inorganica Chimica Acta, 2003, 354, 79-89.	1.2	5
83	High-yield syntheses of [Rh7(CO)16]3â^' and [Rh14(CO)25]4â^' working in ethylene glycol solution under 1atm of CO. Journal of Organometallic Chemistry, 2009, 694, 3718-3724.	0.8	5
84	Low-Temperature Nucleophilic Attack of Me₃SiO^{â^'}and MeO^{â^'}on Rhenium(I) and Rhenium(0) Carbonyl Complexes. Organometallics, 2009, 28, 3040-3048.	1.1	4
85	Thermal Transformations and Stability of Organometallic Materials with Electrical and Optical Properties:Â The Case of Polycrystallinecis-[Ir(CO)2Cl(C5H5N)]. Journal of Physical Chemistry B, 2005, 109, 711-715.	1.2	3
86	Synthesis, Spectroscopic, and X-ray Characterization of Rhenium Carbonyl Complexes with Different Silsesquioxanes, as Models That Mimic the Chemical Behavior and the Topology of the Silica Surface. Organometallics, 2009, 28, 2668-2676.	1.1	3
87	Exohedral Functionalization of Fullerene by Substituents Controlling of Molecular Organization for Spontaneous C60 Dimerization in Liquid Crystal Solutions and in a Bulk Controlled by a Potential. Polymers, 2021, 13, 2816.	2.0	3
88	Intriguing Secondâ€Order NLO Switches Based on New DTE Compounds. European Journal of Inorganic Chemistry, 0, , .	1.0	3
89	OLEDs based on multi-emission by a single emitter. , 2014, , .		0