Claudia Dragonetti

List of Publications by Citations

85 papers	2,833 citations	34 h-index	49 g-index
89 ext. papers	3,060 ext. citations	5.1 avg, IF	4.71 L-index

#	Paper	IF	Citations
85	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, 8533-47	5.1	160
84	Second-order NLO switches from molecules to polymer films based on photochromic cyclometalated platinum(II) complexes. *Journal of the American Chemical Society*, **2014**, 136, 5367-75	16.4	159
83	Multifunctional Luminescent Down-Shifting Fluoropolymer Coatings: A Straightforward Strategy to Improve the UV-Light Harvesting Ability and Long-Term Outdoor Stability of Organic Dye-Sensitized Solar Cells. *Advanced Energy Materials*, **2015**, 5, 1401312	21.8	96
82	Linear and nonlinear optical properties of cationic bipyridyl iridium(III) complexes: tunable and photoswitchable?. *Inorganic Chemistry*, **2011**, 50, 5027-38	5.1	90
81	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		89
80	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**, 4116-8	5.8	79
79	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		70
78	An unprecedented switching of the second-order nonlinear optical response in aggregate bis(salicylaldiminato)zinc(II) Schiff-base complexes. *Dalton Transactions*, **2012**, 41, 7013-6	4.3	68
77	Novel N^C^N-cyclometallated platinum complexes with acetylide co-ligands as efficient phosphors for OLEDs. *Journal of Materials Chemistry*, **2012**, 22, 10650		66
76	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	23.2	64
75	Platinum(II) complexes with cyclometallated 5-π-delocalized-donor-1,3-di(2-pyridyl)benzene ligands as efficient phosphors for NIR-OLEDs. *Journal of Materials Chemistry C*, **2014**, 2, 1791	7.1	61
74	From red to near infra-red OLEDs: the remarkable effect of changing from X = -Cl to -NCS in a cyclometallated [Pt(N^C^N)X] complex {N^C^N = 5-mesityl-1,3-di-(2-pyridyl)benzene}. *Chemical Communications*, **2012**, 48, 3182-4	5.8	60
73	Cyclometalated Ir(III) complexes with substituted 1,10-phenanthrolines: a new class of efficient cationic organometallic second-order NLO chromophores. *Chemistry - A European Journal*, **2010**, 16, 4814-25	4.8	60
72	Luminescent cyclometallated Ir(III) and Pt(II) complexes with beta-diketonate ligands as highly active second-order NLO chromophores. *Chemical Communications*, **2010**, 46, 2414-6	5.8	56
71	Synthesis, characterization, optical absorption/fluorescence spectroscopy, and second-order nonlinear optical properties of aggregate molecular architectures of unsymmetrical Schiff-base zinc(II) complexes. *Dalton Transactions*, **2014**, 43, 2168-75	4.3	55
70	An acido-triggered reversible luminescent and nonlinear optical switch based on a substituted styrylpyridine: EFISH measurements as an unusual method to reveal a protonation-deprotonation NLO contrast. *Chemical Communications*, **2014**, 50, 1608-10	5.8	53
69	Linear and nonlinear optical properties of tris-cyclometalated phenylpyridine Ir(III) complexes incorporating π-conjugated substituents. *Inorganic Chemistry*, **2013**, 52, 7987-94	5.1	52

68	Sequential double second-order nonlinear optical switch by an acido-triggered photochromic cyclometallated platinum(II) complex. *Chemical Communications*, **2015**, 51, 7805-8	5.8	51
67	Tetracoordinated Bis-phenanthroline Copper-Complex Couple as Efficient Redox Mediators for Dye Solar Cells. *Inorganic Chemistry*, **2016**, 55, 5245-53	5.1	49
66	Efficient copper mediators based on bulky asymmetric phenanthrolines for DSSCs. *ACS Applied Materials & Interfaces*, **2014**, 6, 13945-55	9.5	46
65	Simple novel cyclometallated iridium complexes for potential application in dye-sensitized solar cells. *Inorganica Chimica Acta*, **2012**, 388, 163-167	2.7	46
64	Excimer Emission in Single Layer Electroluminescent Devices Based on [Ir(4,5-diphenyl-2-methylthiazolo)2(5-methyl-1,10-phenanthroline)]+ [PF6]□*Journal of Physical Chemistry C*, **2009**, 113, 12517-12522	3.8	46
63	A 2D semiconductor-self-assembled monolayer photoswitchable diode. *Advanced Materials*, **2015**, 27, 1426-31	24	44
62	Thiocyanate-free ruthenium(II) sensitizer with a pyrid-2-yltetrazolate ligand for dye-sensitized solar cells. *Inorganic Chemistry*, **2013**, 52, 10723-5	5.1	43
61	Tuning the dipolar second-order nonlinear optical properties of cyclometalated platinum(II) complexes with tridentate N^C^N binding ligands. *Chemistry - A European Journal*, **2013**, 19, 9875-83	4.8	41
60	Neutral N^C^N terdentate luminescent Pt(II) complexes: their synthesis, photophysical properties, and bio-imaging applications. *Dalton Transactions*, **2015**, 44, 8478-87	4.3	40
59	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, 10314-8	4.3	39
58	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	2.7	39
57	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, 7986-9	5.8	38
56	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	3.8	38
55	Thiocyanate-free cyclometalated ruthenium sensitizers for solar cells based on heteroaromatic-substituted 2-arylpyridines. *Dalton Transactions*, **2012**, 41, 11731-8	4.3	37
54	Dimers of polar chromophores in solution: role of excitonic interactions in one- and two-photon absorption properties. *Physical Chemistry Chemical Physics*, **2011**, 13, 11099-109	3.6	37
53	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	2.3	36
52	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	2.3	35
51	Thiocyanate-free ruthenium(II) 2,2?-bipyridyl complexes for dye-sensitized solar cells. *Polyhedron*, **2014**, 82, 50-56	2.7	33

50	Towards efficient sustainable full-copper dye-sensitized solar cells. *Dalton Transactions*, **2019**, 48, 9703-9711	4.3	31
49	Degradation of toxic halogenated organic compounds by iron-containing mono-, bi- and tri-metallic particles in water. *Inorganica Chimica Acta*, **2015**, 431, 48-60	2.7	31
48	Tuning the optical emission of MoS2 nanosheets using proximal photoswitchable azobenzene molecules. *Applied Physics Letters*, **2014**, 105, 241116	3.4	29
47	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	3.8	29
46	Ferrocene-quinoxaline Y-shaped chromophores as fascinating second-order NLO building blocks for long lasting highly active SHG polymeric films. *Dalton Transactions*, **2016**, 45, 11939-43	4.3	28
45	Steric vs electronic effects and solvent coordination in the electrochemistry of phenanthroline-based copper complexes. *Electrochimica Acta*, **2014**, 141, 324-330	6.7	27
44	Effect of the Coordination to the Os3(CO)11 Cluster Core on the Quadratic Hyperpolarizability of trans-4-(4X-styryl)pyridines (X = NMe2, t-Bu, CF3) and trans,trans-4-(4NMe2-phenyl-1,3-butadienyl)pyridine. *Organometallics*, **2004**, 23, 687-692	3.8	26
43	Unexpected Formation of a Weak MetalMetal Bond: Synthesis, Electronic Properties, and Second-Order NLO Responses of PushPull LateEarly Heteronuclear Bimetallic Complexes with W(CO)3(1,10-phenanthroline) Acting as a Donor Ligand. *Organometallics*, **2003**, 22, 4001-4011	3.8	26
42	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	3.8	25
41	A simple copper(I) complex and its application in efficient dye sensitized solar cells. *Inorganica Chimica Acta*, **2013**, 407, 204-209	2.7	24
40	New thiocyanate-free ruthenium(II) sensitizers with different pyrid-2-yl tetrazolate ligands for dye-sensitized solar cells. *Dalton Transactions*, **2015**, 44, 11788-96	4.3	24
39	A Highly Luminescent Tetrahydrocurcumin Ir Complex with Remarkable Photoactivated Anticancer Activity. *Chemistry - A European Journal*, **2019**, 25, 7948-7952	4.8	23
38	Ruthenium oxyquinolate complexes for dye-sensitized solar cells. *Inorganica Chimica Acta*, **2013**, 405, 98-104	2.7	23
37	A Novel Diruthenium Acetylide Donor Complex as an Unusual Active Material for Bulk Heterojunction Solar Cells. *Organometallics*, **2011**, 30, 1279-1282	3.8	23
36	Evidence for the applicability of a novel procedure (swellingpoolingdeswelling) 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	3.9	18
35	Reproducible high-yield syntheses of [Ru3(CO)12], [H4Ru4(CO)12], and [Ru6C(CO)16]2by a convenient two-step methodology involving controlled reduction in ethylene glycol of RuCl3hH2O. *Journal of Organometallic Chemistry*, **2003**, 669, 44-47	2.3	18
34	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	3.8	18
33	Two-photon absorption properties and (1)O2 generation ability of Ir complexes: an unexpected large cross section of [Ir(CO)2Cl(4-(para-di-n-butylaminostyryl)pyridine)]. *Dalton Transactions*, **2015**, 44, 15712-20	4.3	17

32	Nonlinear optical properties of intriguing Ru acetylide complexes and the use of a photocrosslinked polymer as a springboard to obtain SHG active thin films. *Dalton Transactions*, **2016**, 45, 11052-60	4.3	17
31	An investigation on the second order nonlinear optical response of tris-cyclometallated Ir(III) complexes with variously substituted 2-phenylpyridines. *Dalton Transactions*, **2013**, 42, 155-9	4.3	17
30	Optoelectronic properties of OLEC devices based on phenylquinoline and phenylpyridine ionic iridium complexes. *Dalton Transactions*, **2012**, 41, 9227-31	4.3	16
29	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	2.1	16
28	Efficient catalytic hydration of acetonitrile to acetamide using [Os(CO)3Cl2]2. *Journal of Molecular Catalysis A*, **2003**, 204-205, 279-285		16
27	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	2.7	15
26	Improving the efficiency of copper-dye-sensitized solar cells by manipulating the electrolyte solution. *Dalton Transactions*, **2019**, 48, 9818-9823	4.3	14
25	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*	2.7	14
24	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. *Dalton Transactions*, **2018**, 47, 8292-8300	4.3	14
23	Surface-mediated organometallic synthesis: high-yield syntheses of [Rh4(CO)12], [Rh6(CO)16], [Rh5(CO)15] and [Rh12(CO)30]2 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	2.7	13
22	NLO-active Y-shaped ferrocene conjugated imidazole chromophores as precursors for SHG polymeric films. *Dalton Transactions*, **2020**, 49, 1854-1863	4.3	13
21	Highly efficient acido-triggered reversible luminescent and nonlinear optical switch based on 5-delocalized-donor-1,3-di(2-pyridyl)benzenes. *Journal of Materials Chemistry C*, **2015**, 3, 7421-7427	7.1	12
20	First member of an appealing class of cyclometalated 1,3-di-(2-pyridyl)benzene platinum(II) complexes for solution-processable OLEDs. *Journal of Materials Chemistry C*, **2020**, 8, 7873-7881	7.1	12
19	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		11
18	Surface-Mediated Organometallic Synthesis: 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	3.8	11
17	Intriguing C-HCu interactions in bis-(phenanthroline)Cu(i) redox mediators for dye-sensitized solar cells. *Dalton Transactions*, **2018**, 47, 1018-1022	4.3	10
16	A three steps procedure (swelling poling 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	3.1	9
15	Novel cyclometallated 5-delocalized donor-1,3-di(2-pyridyl)benzene platinum(ii) complexes with good second-order nonlinear optical properties. *Dalton Transactions*, **2018**, 48, 202-208	4.3	8

14	Novel Terthiophene-Substituted Fullerene Derivatives as Easily Accessible Acceptor Molecules for Bulk-Heterojunction Polymer Solar Cells. *International Journal of Photoenergy*, **2014**, 2014, 1-10	2.1	8
13	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. *Journal of Materials Chemistry*, **2012**, 22, 19761		8
12	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, 7550-6	5.1	8
11	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, 8374-6	5.8	8
10	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	2.3	8
9	Surface organometallic chemistry ? Carbonyl complexes of Re(I) with silanolates as models of silica anchored rhenium carbonyl species. *Canadian Journal of Chemistry*, **2005**, 83, 1017-1024	0.9	6
8	An excursion in the second-order nonlinear optical properties of platinum complexes. *Coordination Chemistry Reviews*, **2021**, 446, 214113	23.2	5
7	Perylenetetracarboxy-3,4:9,10-diimide derivatives with large two-photon absorption activity. *New Journal of Chemistry*, **2019**, 43, 1885-1893	3.6	4
6	Low-Temperature Nucleophilic Attack of Me3SiO□and MeO□on Rhenium(I) and Rhenium(0) Carbonyl Complexes. *Organometallics*, **2009**, 28, 3040-3048	3.8	4
5	High-yield syntheses of [Rh7(CO)16]3□and [Rh14(CO)25]4□working in ethylene glycol solution under 1atm of CO. *Journal of Organometallic Chemistry*, **2009**, 694, 3718-3724	2.3	3
4	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	3.8	3
3	Thermal transformations and stability of organometallic materials with electrical and optical properties: the case of polycrystalline cis-[Ir(CO)2Cl(C5H5N)]. *Journal of Physical Chemistry B*, **2005**, 109, 711-5	3.4	3
2	Variable temperature 1H NMR and X-ray diffraction characterisation of [H5Os10(CO)24]□obtained in reproducible and high yields by hydrogenation of silica-supported [Os(CO)3(OH)2]n. *Inorganica Chimica Acta*, **2003**, 354, 79-89	2.7	3
1	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. *Polymers*, **2021**, 13,	4.5	3