

Claudia Dragonetti

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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
84	An excursion in the second-order nonlinear optical properties of platinum complexes. <i>Coordination Chemistry Reviews</i> , 2021 , 446, 214113	23.2	5
83	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
82	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
81	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
80	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
79	A Highly Luminescent Tetrahydrocurcumin Ir Complex with Remarkable Photoactivated Anticancer Activity. <i>Chemistry - A European Journal</i> , 2019 , 25, 7948-7952	4.8	23
78	Towards efficient sustainable full-copper dye-sensitized solar cells. <i>Dalton Transactions</i> , 2019 , 48, 9703-9711	4.3	31
77	Novel cyclometallated 5-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
76	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
75	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
74	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
73	Nonlinear optical properties of intriguing Ru π -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
72	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
71	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
70	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
69	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

68	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
67	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
66	Sequential double second-order nonlinear optical switch by an acido-triggered photochromic cyclometallated platinum(II) complex. <i>Chemical Communications</i> , 2015 , 51, 7805-8	5.8	51
65	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. <i>Advanced Energy Materials</i> , 2015 , 5, 1401312	21.8	96
64	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
63	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
62	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
61	Neutral N ^C N ^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
60	A 2D semiconductor-self-assembled monolayer photoswitchable diode. <i>Advanced Materials</i> , 2015 , 27, 1426-31	24	44
59	Platinum(II) complexes with cyclometallated 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
58	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. <i>Chemical Communications</i> , 2014 , 50, 1608-10	5.8	53
57	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
56	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
55	Efficient copper mediators based on bulky asymmetric phenanthrolines for DSSCs. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 13945-55	9.5	46
54	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
53	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
52	Thiocyanate-free ruthenium(II) 2,2'-bipyridyl complexes for dye-sensitized solar cells. <i>Polyhedron</i> , 2014 , 82, 50-56	2.7	33
51	Second-order NLO switches from molecules to polymer films based on photochromic cyclometallated platinum(II) complexes. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5367-75	16.4	159

50	Tuning the optical emission of MoS ₂ nanosheets using proximal photoswitchable azobenzene molecules. <i>Applied Physics Letters</i> , 2014 , 105, 241116	3.4	29
49	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
48	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
47	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
46	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
45	An investigation on the second order nonlinear optical response of tris-cyclometallated Ir(III) complexes with variously substituted 2-phenylpyridines. <i>Dalton Transactions</i> , 2013 , 42, 155-9	4.3	17
44	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
43	Ruthenium oxyquinolate complexes for dye-sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2013 , 405, 98-104	2.7	23
42	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
41	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
40	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
39	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}. <i>Chemical Communications</i> , 2012 , 48, 3182-4	5.8	60
38	Novel N ^C N-cyclometallated platinum complexes with acetylide co-ligands as efficient phosphors for OLEDs. <i>Journal of Materials Chemistry</i> , 2012 , 22, 10650		66
37	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
36	Optoelectronic properties of OLEC devices based on phenylquinoline and phenylpyridine ionic iridium complexes. <i>Dalton Transactions</i> , 2012 , 41, 9227-31	4.3	16
35	A new thiocyanate-free cyclometallated ruthenium complex for dye-sensitized solar cells: Beneficial effects of substitution on the cyclometallated ligand. <i>Journal of Organometallic Chemistry</i> , 2012 , 714, 88-93	2.3	36
34	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
33	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 , 388, 72-79	2.7	14

32	Simple novel cyclometallated iridium complexes for potential application in dye-sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2012 , 388, 163-167	2.7	46
31	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
30	Linear and nonlinear optical properties of cationic bipyridyl iridium(III) complexes: tunable and photoswitchable?. <i>Inorganic Chemistry</i> , 2011 , 50, 5027-38	5.1	90
29	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
28	Cyclometallated 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
27	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
26	Cyclometallated 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
25	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	3.8	29
24	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
23	Highly stable 7-N,N-dibutylamino-2-azaphenanthrene and 8-N,N-dibutylamino-2-azachrycene as a new class of second order NLO-active chromophores. <i>Chemical Communications</i> , 2010 , 46, 8374-6	5.8	8
22	Luminescent cyclometallated 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
21	Cyclometalated Ir(III) complexes with substituted 1,10-phenanthrolines: a new class of efficient cationic organometallic second-order NLO chromophores. <i>Chemistry - A European Journal</i> , 2010 , 16, 4814-25	4.8	60
20	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. <i>Journal of Materials Science: Materials in Electronics</i> , 2009 , 20, 460-464	2.1	16
19	The role of the cyclometallated moiety on the second order nonlinear optical properties of cationic Ir(III) organometallic NLO-phores. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009 , 6, S50-S53		11
18	High-yield syntheses of [Rh7(CO)16]3- and [Rh14(CO)25]4- working in ethylene glycol solution under 1atm of CO. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 3718-3724	2.3	3
17	Low-Temperature Nucleophilic Attack of Me3SiO- and MeO- on Rhenium(I) and Rhenium(0) Carbonyl Complexes. <i>Organometallics</i> , 2009 , 28, 3040-3048	3.8	4
16	Excimer Emission in Single Layer Electroluminescent Devices Based on [Ir(4,5-diphenyl-2-methylthiazolo)2(5-methyl-1,10-phenanthroline)]+ [PF6]-. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 12517-12522	3.8	46
15	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. <i>Organometallics</i> , 2009 , 28, 2668-2676	3.8	3

14	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. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 147, 293-297	3.1	9
13	The role of 5-R-1,10-phenanthroline (R=CH ₃ , NO ₂) on the emission properties and second-order NLO response of cationic Ir(III) organometallic chromophores. <i>Inorganica Chimica Acta</i> , 2008 , 361, 4070-4076	2.7	39
12	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 [Pt ₃ (CO) ₆] _n ²⁻ (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. <i>Organometallics</i> , 2007 , 26, 310-315	3.8	11
11	The role of substituents on functionalized 1,10-phenanthroline in controlling the emission properties of cationic iridium(III) complexes of interest for electroluminescent devices. <i>Inorganic Chemistry</i> , 2007 , 46, 8533-47	5.1	160
10	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. <i>Chemical Communications</i> , 2007 , 4116-8	5.8	79
9	Surface organometallic chemistry ? Carbonyl complexes of Re(I) with silanolates as models of silica anchored rhenium carbonyl species. <i>Canadian Journal of Chemistry</i> , 2005 , 83, 1017-1024	0.9	6
8	Thermal transformations and stability of organometallic materials with electrical and optical properties: the case of polycrystalline cis-[Ir(CO) ₂ Cl(C ₅ H ₅ N)]. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 711-5	3.4	3
7	Effect of the Coordination to the Os ₃ (CO) ₁₁ Cluster Core on the Quadratic Hyperpolarizability of trans-4-(4X-styryl)pyridines (X = NMe ₂ , t-Bu, CF ₃) and trans,trans-4-(4NMe ₂ -phenyl-1,3-butadienyl)pyridine. <i>Organometallics</i> , 2004 , 23, 687-692	3.8	26
6	Surface-mediated organometallic synthesis: high-yield syntheses of [Rh ₄ (CO) ₁₂], [Rh ₆ (CO) ₁₆], [Rh ₅ (CO) ₁₅] ⁺ and [Rh ₁₂ (CO) ₃₀] ²⁺ by controlled reduction of silica-supported RhCl ₃ or [Rh(CO) ₂ Cl] ₂ in the presence of CH ₃ CO ₂ Na, Na ₂ CO ₃ or K ₂ CO ₃ . <i>Inorganica Chimica Acta</i> , 2003 , 349, 189-194	2.7	13
5	Variable temperature ¹ H NMR and X-ray diffraction characterisation of [H ₅ Os ₁₀ (CO) ₂₄] ⁺ obtained in reproducible and high yields by hydrogenation of silica-supported [Os(CO) ₃ (OH) ₂] _n . <i>Inorganica Chimica Acta</i> , 2003 , 354, 79-89	2.7	3
4	Reproducible high-yield syntheses of [Ru ₃ (CO) ₁₂], [H ₄ Ru ₄ (CO) ₁₂], and [Ru ₆ C(CO) ₁₆] ₂ ⁺ by a convenient two-step methodology involving controlled reduction in ethylene glycol of RuCl ₃ ·nH ₂ O. <i>Journal of Organometallic Chemistry</i> , 2003 , 669, 44-47	2.3	18
3	Efficient catalytic hydration of acetonitrile to acetamide using [Os(CO) ₃ Cl ₂] ₂ . <i>Journal of Molecular Catalysis A</i> , 2003 , 204-205, 279-285		16
2	Unexpected Formation of a Weak Metal-Metal Bond: Synthesis, Electronic Properties, and Second-Order NLO Responses of Push-Pull Late-Early Heteronuclear Bimetallic Complexes with W(CO) ₃ (1,10-phenanthroline) Acting as a Donor Ligand. <i>Organometallics</i> , 2003 , 22, 4001-4011	3.8	26
1	The synthesis and behaviour of pyrazine mononuclear carbonyl complexes of Rh(I), Ir(I), Ru(II) and Os(II). <i>Inorganica Chimica Acta</i> , 2002 , 330, 128-135	2.7	15