

# Claudia Dragonetti

## List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Recent Advances in Dye-Sensitized Solar Cells. <i>Molecules</i> , 2021, 26, 2461.	1.7	12
2	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. <i>Polymers</i> , 2021, 13, 2816.	2.0	3
3	An excursion in the second-order nonlinear optical properties of platinum complexes. <i>Coordination Chemistry Reviews</i> , 2021, 446, 214113.	9.5	20
4	Recent Investigations on Thiocyanate-Free Ruthenium(II) 2,2'-Bipyridyl Complexes for Dye-Sensitized Solar Cells. <i>Molecules</i> , 2021, 26, 7638.	1.7	11
5	NLO-active Y-shaped ferrocene conjugated imidazole chromophores as precursors for SHG polymeric films. <i>Dalton Transactions</i> , 2020, 49, 1854-1863.	1.6	20
6	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.	2.7	18
7	Perylenetetracarboxy-3,4:9,10-diimide derivatives with large two-photon absorption activity. <i>New Journal of Chemistry</i> , 2019, 43, 1885-1893.	1.4	7
8	Novel cyclometalated 5- $\pi$ -delocalized donor-1,3-di(2-pyridyl)benzene platinum(II) complexes with good second-order nonlinear optical properties. <i>Dalton Transactions</i> , 2019, 48, 202-208.	1.6	12
9	Improving the efficiency of copper-dye-sensitized solar cells by manipulating the electrolyte solution. <i>Dalton Transactions</i> , 2019, 48, 9818-9823.	1.6	21
10	A Highly Luminescent Tetrahydrocurcumin Ir <sup>III</sup> Complex with Remarkable Photoactivated Anticancer Activity. <i>Chemistry - A European Journal</i> , 2019, 25, 7948-7952.	1.7	32
11	Towards efficient sustainable full-copper dye-sensitized solar cells. <i>Dalton Transactions</i> , 2019, 48, 9703-9711.	1.6	43
12	Intriguing Cu <sup>H</sup> -Cu interactions in bis-(phenanthroline)Cu(I) redox mediators for dye-sensitized solar cells. <i>Dalton Transactions</i> , 2018, 47, 1018-1022.	1.6	13
13	An investigation on the second-order nonlinear optical response of cationic bipyridine or phenanthroline iridium(III) complexes bearing cyclometalated 2-phenylpyridines with a triphenylamine substituent. <i>Dalton Transactions</i> , 2018, 47, 8292-8300.	1.6	19
14	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.	1.1	20
15	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.	9.5	76
16	Tetracoordinated Bis-phenanthroline Copper-Complex Couple as Efficient Redox Mediators for Dye Solar Cells. <i>Inorganic Chemistry</i> , 2016, 55, 5245-5253.	1.9	60
17	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.	1.0	10
18	Ferrocene-quinoline Y-shaped chromophores as fascinating second-order NLO building blocks for long lasting highly active SHG polymeric films. <i>Dalton Transactions</i> , 2016, 45, 11939-11943.	1.6	31

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19	Nonlinear optical properties of intriguing Ru $\pi$ -acetylide complexes and the use of a photocrosslinked polymer as a springboard to obtain SHG active thin films. <i>Dalton Transactions</i> , 2016, 45, 11052-11060.	1.6	19
20	New thiocyanate-free ruthenium(II) sensitizers with different pyrid-2-yl tetrazolate ligands for dye-sensitized solar cells. <i>Dalton Transactions</i> , 2015, 44, 11788-11796.	1.6	28
21	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.	1.2	37
22	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.	1.1	27
23	Neutral N <sup>C</sup> N terdentate luminescent Pt(II) complexes: their synthesis, photophysical properties, and bio-imaging applications. <i>Dalton Transactions</i> , 2015, 44, 8478-8487.	1.6	50
24	A 2D Semiconductor "Self-Assembled Monolayer Photoswitchable Diode. <i>Advanced Materials</i> , 2015, 27, 1426-1431.	11.1	52
25	Two-photon absorption properties and $^{1}O_2$ generation ability of Ir complexes: an unexpected large cross section of [Ir(CO) <sub>2</sub> Cl(4-(para-di-n-butylaminostyryl)pyridine)]. <i>Dalton Transactions</i> , 2015, 44, 15712-15720.	1.6	21
26	Highly efficient acido-triggered reversible luminescent and nonlinear optical switch based on 5- $\pi$ -delocalized-donor-1,3-di(2-pyridyl)benzenes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7421-7427.	2.7	14
27	Sequential double second-order nonlinear optical switch by an acido-triggered photochromic cyclometallated platinum(II) complex. <i>Chemical Communications</i> , 2015, 51, 7805-7808.	2.2	56
28	Multifunctional Luminescent Downshifting 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.	10.2	103
29	Tuning the optical emission of MoS <sub>2</sub> nanosheets using proximal photoswitchable azobenzene molecules. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	32
30	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.	1.4	8
31	Platinum(II) complexes with cyclometallated 5- $\pi$ -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.	2.7	78
32	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.	2.2	61
33	OLEDs based on multi-emission by a single emitter. , 2014, , .		0
34	Steric vs electronic effects and solvent coordination in the electrochemistry of phenanthroline-based copper complexes. <i>Electrochimica Acta</i> , 2014, 141, 324-330.	2.6	30
35	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, 2168-2175.	1.6	60
36	Efficient Copper Mediators Based on Bulky Asymmetric Phenanthrolines for DSSCs. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 13945-13955.	4.0	53

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37	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.	2.2	41
38	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.	0.8	38
39	Thiocyanate-free ruthenium(II) 2,2'-bipyridyl complexes for dye-sensitized solar cells. <i>Polyhedron</i> , 2014, 82, 50-56.	1.0	36
40	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, 5367-5375.	6.6	184
41	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.	1.1	41
42	A simple copper(I) complex and its application in efficient dye sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2013, 407, 204-209.	1.2	34
43	Thiocyanate-Free Ruthenium(II) Sensitizer with a Pyrid-2-yltetrazolate Ligand for Dye-Sensitized Solar Cells. <i>Inorganic Chemistry</i> , 2013, 52, 10723-10725.	1.9	47
44	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, 155-159.	1.6	19
45	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, 9875-9883.	1.7	48
46	Ruthenium oxyquinolate complexes for dye-sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2013, 405, 98-104.	1.2	24
47	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, 7550-7556.	1.9	10
48	Linear and Nonlinear Optical Properties of Tris-cyclometalated Phenylpyridine Ir(III) Complexes Incorporating $\pi$ -Conjugated Substituents. <i>Inorganic Chemistry</i> , 2013, 52, 7987-7994.	1.9	60
49	Thiocyanate-free cyclometalated ruthenium sensitizers for solar cells based on heteroaromatic-substituted 2-arylpyridines. <i>Dalton Transactions</i> , 2012, 41, 11731.	1.6	39
50	From red to near infra-red OLEDs: the remarkable effect of changing from X = Cl to NCS in a cyclometallated [Pt(N^SC^N)X] complex {N^SC^N = 5-mesityl-1,3-di-(2-pyridyl)benzene}. <i>Chemical Communications</i> , 2012, 48, 3182.	2.2	72
51	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.	6.7	81
52	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.	6.7	10
53	Optoelectronic properties of OLEC devices based on phenylquinoline and phenylpyridine ionic iridium complexes. <i>Dalton Transactions</i> , 2012, 41, 9227.	1.6	17
54	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.	0.8	38

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55	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.	1.6	72
56	An investigation on the second-order NLO properties of novel cationic cyclometallated Ir(III) complexes of the type [Ir(2-phenylpyridine) <sub>2</sub> (9-R-4,5-diazafluorene)] <sup>+</sup> (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.	1.2	14
57	Simple novel cyclometallated iridium complexes for potential application in dye-sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2012, 388, 163-167.	1.2	49
58	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.	1.3	39
59	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.	6.7	78
60	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.	1.5	32
61	A Novel Diruthenium Acetylide Donor Complex as an Unusual Active Material for Bulk Heterojunction Solar Cells. <i>Organometallics</i> , 2011, 30, 1279-1282.	1.1	24
62	Linear and Nonlinear Optical Properties of Cationic Bipyridyl Iridium(III) Complexes: Tunable and Photoswitchable?. <i>Inorganic Chemistry</i> , 2011, 50, 5027-5038.	1.9	93
63	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.	1.5	18
64	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.	6.7	100
65	Cyclometalated Ir <sup>III</sup> 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, 4814-4825.	1.7	65
66	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.	1.6	40
67	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. <i>Chemical Communications</i> , 2010, 46, 8374.	2.2	9
68	Luminescent cyclometallated Ir(iii) and Pt(ii) complexes with Î <sup>2</sup> -diketonate ligands as highly active second-order NLO chromophores. <i>Chemical Communications</i> , 2010, 46, 2414.	2.2	64
69	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.	1.1	17
70	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.	0.8	13
71	High-yield syntheses of [Rh <sub>7</sub> (CO) <sub>16</sub> ] <sup>3+</sup> and [Rh <sub>14</sub> (CO) <sub>25</sub> ] <sup>4+</sup> working in ethylene glycol solution under 1atm of CO. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 3718-3724.	0.8	5
72	Low-Temperature Nucleophilic Attack of Me <sub>3</sub> SiO <sup>+</sup> and MeO <sup>+</sup> on Rhenium(I) and Rhenium(0) Carbonyl Complexes. <i>Organometallics</i> , 2009, 28, 3040-3048.	1.1	4

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73	Excimer Emission in Single Layer Electroluminescent Devices Based on [Ir(4,5-diphenyl-2-methylthiazolo)(5-methyl-1,10-phenanthroline)]PF <sub>6</sub> Journal of Physical Chemistry C, 2009, 113, 12517-12522.		48
74	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
75	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.	1.7	9
76	The role of 5-R-1,10-phenanthroline (R=CH <sub>3</sub> , NO <sub>2</sub> ) 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
77	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
78	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
79	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 <sub>3</sub> (CO) <sub>6</sub> ] <sub>n</sub> <sup>2-</sup> (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
80	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.	0.6	7
81	Thermal Transformations and Stability of Organometallic Materials with Electrical and Optical Properties: The Case of Polycrystalline cis-[Ir(CO)2Cl(C <sub>5</sub> H <sub>5</sub> N)]. Journal of Physical Chemistry B, 2005, 109, 711-715.	1.2	3
82	Effect of the Coordination to the Os <sub>3</sub> (CO) <sub>11</sub> Cluster Core on the Quadratic Hyperpolarizability of trans-4-(4-X-styryl)pyridines (X = NMe <sub>2</sub> , t-Bu, CF <sub>3</sub> ) and trans,trans-4-(4-NMe <sub>2</sub> -phenyl-1,3-butadienyl)pyridine. Organometallics, 2004, 23, 687-692.	1.1	28
83	Surface-mediated organometallic synthesis: high-yield syntheses of [Rh <sub>4</sub> (CO) <sub>12</sub> ], [Rh <sub>6</sub> (CO) <sub>16</sub> ], [Rh <sub>5</sub> (CO) <sub>15</sub> ] <sup>+</sup> and [Rh <sub>12</sub> (CO) <sub>30</sub> ] <sup>2+</sup> by controlled reduction of silica-supported RhCl <sub>3</sub> or [Rh(CO)2Cl] <sub>2</sub> in the presence of CH <sub>3</sub> CO <sub>2</sub> Na, Na <sub>2</sub> CO <sub>3</sub> or K <sub>2</sub> CO <sub>3</sub> . Inorganica Chimica Acta, 2003, 349, 189-194.	1.2	15
84	Variable temperature 1H NMR and X-ray diffraction characterisation of [H <sub>5</sub> Os <sub>10</sub> (CO) <sub>24</sub> ] <sup>+</sup> obtained in reproducible and high yields by hydrogenation of silica-supported [Os(CO) <sub>3</sub> (OH) <sub>2</sub> ] <sub>n</sub> . Inorganica Chimica Acta, 2003, 354, 79-89.	1.2	5
85	Reproducible high-yield syntheses of [Ru <sub>3</sub> (CO) <sub>12</sub> ], [H <sub>4</sub> Ru <sub>4</sub> (CO) <sub>12</sub> ], and [Ru <sub>6</sub> C(CO) <sub>16</sub> ] <sup>2+</sup> by a convenient two-step methodology involving controlled reduction in ethylene glycol of RuCl <sub>3</sub> ·nH <sub>2</sub> O. Journal of Organometallic Chemistry, 2003, 669, 44-47.	0.8	18
86	Efficient catalytic hydration of acetonitrile to acetamide using [Os(CO) <sub>3</sub> Cl <sub>2</sub> ] <sub>2</sub> . Journal of Molecular Catalysis A, 2003, 204-205, 279-285.	4.8	16
87	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) <sub>3</sub> (1,10-phenanthroline) Acting as a Donor Ligand. Organometallics, 2003, 22, 4001-4011.	1.1	26
88	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
89	Intriguing Second-Order NLO Switches Based on New DTE Compounds. European Journal of Inorganic Chemistry, 0, , .	1.0	3