Andrea Barbieri

List of Publications by Year
in descending order

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95 papers	4,261 citations	159358 30 h-index	161609 54 g-index
98 all docs	98 docs citations	98 times ranked	5263 citing authors

#	Article	IF	Citations
1	Photochemistry and Photophysics of Coordination Compounds: Iridium. , 2007, , 143-203.		892
2	Luminescent complexes beyond the platinum group: the d10 avenue. Chemical Communications, 2008, , 2185.	2.2	566
3	Diastereoselective Formation of Chiral Tris-Cyclometalated Iridium (III) Complexes:Â Characterization and Photophysical Properties. Journal of the American Chemical Society, 2004, 126, 9339-9348.	6.6	174
4	On the Mechanism of dâ€“f Energy Transfer in Ru^{II}/Ln^{III} and Os^{II}/Ln^{III} Dyads: Dexterâ€Type Energy Transfer Over a Distance of 20â€…Ã…. Chemistry - A European Journal, 2008, 14, 9389-9399.	1.7	123
5	Photophysical Properties of Charged Cyclometalated Ir(III) Complexes: A Joint Theoretical and Experimental Study. Inorganic Chemistry, 2011, 50, 7229-7238.	1.9	101
6	d â†' f Energy Transfer in a Series of Ir^{III}/Eu^{III} Dyads: Energy-Transfer Mechanisms and White-Light Emission. Inorganic Chemistry, 2011, 50, 11323-11339.	1.9	101
7	Bimetallic Iridium(III) Complexes Consisting of Ir(ppy)₂ Units (ppy = 2-Phenylpyridine) and Two Laterally Connected N^{â§}N Chelates as Bridge:â€‰ Synthesis, Separation, and Photophysical Properties. Inorganic Chemistry, 2007, 46, 6911-6919.	1.9	83
8	Luminescent Cyclometalated Rh^{III}, Ir^{III}, and (DIP)₂Ru^{II} Complexes with Carboxylated Bipyridyl Ligands: Synthesis, X-ray Molecular Structure, and Photophysical Properties. Inorganic Chemistry, 2008, 47, 3340-3348.	1.9	78
9	Alkaline Earth Metal Ion/Dihydroxyâ€“Terephthalate MOFs: Structural Diversity and Unusual Luminescent Properties. Inorganic Chemistry, 2015, 54, 5813-5826.	1.9	71
10	Photosystem Iâ€based Biophotovoltaics on Nanostructured Hematite. Advanced Functional Materials, 2014, 24, 7467-7477.	7.8	70
11	Mononuclear and Binuclear Wirelike Ruthenium(II) Complexes with Oligo-diethynyl-thiophene Bridged Back-to-Back Terpyridine Ligands:Â Synthesis and Electrochemical and Photophysical Properties. Inorganic Chemistry, 2004, 43, 7359-7368.	1.9	69
12	Ligand-field excited states of hexacyanochromate and hexacyanocobaltate as sensitisers for near-infrared luminescence from Nd(iii) and Yb(iii) in cyanide-bridged dâ€“f assemblies. Photochemical and Photobiological Sciences, 2007, 6, 1152-1157.	1.6	66
13	Electrochemical treatment of bisphenol-A containing wastewaters. Journal of Applied Electrochemistry, 1994, 24, 1052-1058.	1.5	61
14	The Rise of Near-Infrared Emitters: Organic Dyes, Porphyrinoids, and Transition Metal Complexes. Topics in Current Chemistry, 2016, 374, 47.	3.0	58
15	[Ru(bipy)3]2+ and [Os(bipy)3]2+ chromophores as sensitisers for near-infrared luminescence from Yb(iii) and Nd(iii) in d/f dyads: contributions from FÃ¶rster, Dexter, and redox-based energy-transfer mechanisms. Dalton Transactions, 2009, , 3971.	1.6	57
16	Detection of xanthine oxidase activity products by EPR and HPLC in bronchoalveolar lavage fluid from patients with chronic obstructive pulmonary disease. Free Radical Biology and Medicine, 1998, 25, 771-779.	1.3	55
17	Dinuclear Iridium(III) Complexes Consisting of Back-to-Back tpyâ^'(ph)nâ^'tpy Bridging Ligands (n= 0, 1, or) Tj ETQq1 1 0.784314 rgBT	1.9	53
18	Walking Down the Chalcogenic Group of the Periodic Table: From Singlet to Triplet Organic Emitters. Chemistry - A European Journal, 2015, 21, 15377-15387.	1.7	51

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19	A Mesoionic Carbene as Neutral Ligand for Phosphorescent Cationic Ir(III) Complexes. Inorganic Chemistry, 2016, 55, 7912-7919.	1.9	51
20	Eilatin Complexes of Ruthenium and Osmium. Synthesis, Electrochemical Behavior, and Near-IR Luminescence. Inorganic Chemistry, 2005, 44, 7943-7950.	1.9	47
21	Mononuclear and Dinuclear Complexes of Dibenzoeilatin:Â Synthesis, Structure, and Electrochemical and Photophysical Properties. Inorganic Chemistry, 2004, 43, 2355-2367.	1.9	43
22	Reactions of the [Fe(CN)5NO]2â^'complex with biologically relevant thiols. New Journal of Chemistry, 2002, 26, 1495-1502.	1.4	42
23	Energy Transfer Dynamics in Multichromophoric Arrays Engineered from Phosphorescent Pt^{II}/Ru^{II}/Os^{II} Centers Linked to a Central Truxene Platform. Inorganic Chemistry, 2010, 49, 8333-8346.	1.9	42
24	Panchromatic luminescence from julolidine dyes exhibiting excited state intramolecular proton transfer. Chemical Communications, 2015, 51, 3351-3354.	2.2	40
25	Physicochemical properties of thermally prepared Ti-supported IrO2+ ZrO2 electrocatalysts. Journal of Electroanalytical Chemistry, 1994, 376, 195-202.	1.9	39
26	Photoinduced energy-transfer dynamics in multichromophoric arrays containing transition metal complexes and organic modules. Coordination Chemistry Reviews, 2012, 256, 1732-1741.	9.5	37
27	New ligands in the 2,2â€²-dipyridylamine series and their Re(i) complexes; synthesis, structures and luminescence properties. New Journal of Chemistry, 2004, 28, 398-405.	1.4	35
28	A Visibleâ€“Nearâ€Infrared Lightâ€Responsive Hostâ€“Guest Pair with Nanomolar Affinity in Water. Chemistry - A European Journal, 2019, 25, 3477-3482.	1.7	33
29	Exciton-like energy collection in an oligothiophene wire end-capped by Ru- and Os-polypyridine chromophores. Chemical Communications, 2005, , 802-804.	2.2	31
30	Mononuclear and Dinuclear Complexes of Isoeilatin. Inorganic Chemistry, 2005, 44, 2513-2523.	1.9	31
31	Turning on Red and Near-Infrared Phosphorescence in Octahedral Complexes with Metalated Quinones. Inorganic Chemistry, 2012, 51, 1739-1750.	1.9	31
32	Trichromophoric Systems from Square-Planar Pt-Ethynylbipyridine and Octahedral Ru- and Os-Bipyridine Centers: Syntheses, Structures, Electrochemical Behavior, and Bipartition of Energy Transfer. Inorganic Chemistry, 2008, 47, 7048-7058.	1.9	30
33	Influence of hydroxypropyl-Î²-cyclodextrin on photo-induced free radical production by the sunscreen agent, butyl-methoxydibenzoylmethane. Journal of Pharmacy and Pharmacology, 2010, 54, 1553-1558.	1.2	30
34	Deepâ€Red Phosphorescent Iridium(III) Complexes with Chromophoric Nâ€Heterocyclic Carbene Ligands: Design, Photophysical Properties, and DFT Calculations. European Journal of Inorganic Chemistry, 2016, 2016, 1631-1634.	1.0	29
35	Binuclear Wirelike Dimers Based on Ruthenium(II)â^'Bipyridine Units Linked by Ethynyleneâ^'Oligothiopheneâ^'Ethynylene Bridges. Inorganic Chemistry, 2005, 44, 8033-8043.	1.9	26
36	Tuning Excited States of Bipyridyl Platinum(II) Chromophores with Ï€-Bonded Catecholate Organometallic Ligands: Synthesis, Structures, TD-DFT Calculations, and Photophysical Properties. Inorganic Chemistry, 2014, 53, 6624-6633.	1.9	26

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37	Depth profiles and electrochemical properties of IrO2 electrocatalysts stabilized with TiO2. Journal of Materials Chemistry, 1991, 1, 191.	6.7	25
38	Thermoanalytical investigation on the formation of IrO2-based mixed oxide coatings. Journal of Applied Electrochemistry, 1993, 23, 615-624.	1.5	25
39	RNA expression induced by cisplatin in an organ of Corti-derived immortalized cell line. Hearing Research, 2004, 196, 8-18.	0.9	25
40	Excited-State Dynamics in a Dyad Comprising Terpyridine-Platinum(II) Ethynylene Linked to Pyrrolidino-[60]Fullerene. Inorganic Chemistry, 2009, 48, 6409-6416.	1.9	25
41	Photochemistry of the [Fe(CN) 5 N(O)SR] 3â˜ complex. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 143, 99-108.	2.0	24
42	Energy Transfer in Hybrids Based on a Thiophene-Substituted Ethynylbipyridine Dimer Decorated with Re(I), Ru(II), and Os(II) Units. Inorganic Chemistry, 2006, 45, 1173-1183.	1.9	24
43	Rutheniumâ˜Terpyridine Complexes with Multiple Ethynylpyrenyl or Ethynyltoluyl Subunits:â€‰ X-ray Structure, Redox, and Spectroscopic Properties. Inorganic Chemistry, 2007, 46, 7341-7350.	1.9	24
44	Switch On/Switch Off Signal in an MOFâ€Guest Crystalline Device. European Journal of Inorganic Chemistry, 2013, 2013, 4459-4465.	1.0	24
45	Comparison of Phosphatidylcholine Vesicle Properties Related to Geometrical Isomerismâ€. Photochemistry and Photobiology, 2006, 82, 274.	1.3	23
46	Fast, through-bond mediated energy transfer from Ir(iii) to Ru(ii) in di- and tetranuclear heterometallic assemblies: elucidation of a two-step Ir â†' Ir â†' Ru energy transfer process. Photochemical and Photobiological Sciences, 2007, 6, 397-405.	1.6	23
47	A Preâ€organised Truxene Platform for Phosphorescent [Ru(bpy)₂] and [Os(bpy)₂] Metal Centres: A Clearâ€Cut Switch from FÃ¶rsterâ€to Dexterâ€Type Energyâ€Transfer Mechanism. Chemistry - A European Journal, 2010, 16, 9226-9236.	1.7	23
48	Cyclometalated N-heterocyclic carbene iridium(<scp>iii</scp>) complexes with naphthalimide chromophores: a novel class of phosphorescent heteroleptic compounds. Dalton Transactions, 2018, 47, 3440-3451.	1.6	23
49	Thermoanalytical investigation of the formation of RuO2-based mixed-oxide electrodes. Materials Chemistry and Physics, 1994, 37, 23-28.	2.0	22
50	Live cell cytoplasm staining and selective labeling of intracellular proteins by non-toxic cell-permeant thiophene fluorophores. Organic and Biomolecular Chemistry, 2014, 12, 1603.	1.5	22
51	Organometallic Quinonoid Linkers: A Versatile Tether for the Design of Panchromatic Ruthenium(II) Heteroleptic Complexes. Inorganic Chemistry, 2010, 49, 10762-10764.	1.9	21
52	Induced phosphorescence from Pt â†' Ag and Ag(<scp>i</scp>)â‹¯Ag(<scp>i</scp>) metallophilic interactions in benzenedithiolatodiimine-Pt₂/Ag₂ clusters: a combined experimental and theoretical investigation. Dalton Transactions, 2016, 45, 2906-2913.	1.6	21
53	Luminescent Cyclometalated Platinum Complexes with Ï€-Bonded Catecholate Organometallic Ligands. Inorganic Chemistry, 2017, 56, 2050-2059.	1.9	21
54	On/Off Switching of Perylene Tetracarboxylic Bisimide Luminescence by Means of Substitution at the Nâ€Position by Electronâ€Rich Monoâ€, Diâ€, and Trimethoxybenzenes. Chemistry - A European Journal, 2010, 16, 13406-13416.	1.7	20

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55	Catalytic Water Splitting with an Iridium Carbene Complex: A Theoretical Study. Chemistry - A European Journal, 2014, 20, 5358-5368.	1.7	20
56	Testing Oligothiophene Fluorophores under Physiological Conditions. Preparation and Optical Characterization of the Conjugates of Bovine Serum Albumin with OligothiopheneN-Hydroxysuccinimidyl Esters. Bioconjugate Chemistry, 2007, 18, 1004-1009.	1.8	19
57	Tuning of redox potential and visible absorption band of ruthenium(II) complexes of (benzimidazolyl) derivatives: Synthesis, characterization, spectroscopic and redox properties, X-ray structures and DFT calculations. Inorganica Chimica Acta, 2007, 360, 2231-2244.	1.2	19
58	Near-infrared room temperature emission from a novel class of Ru(ii) heteroleptic complexes with quinonoid organometallic linker. Chemical Communications, 2013, 49, 3796.	2.2	19
59	Synthesis, Electrochemical and Optical Properties of Ru^{II}â€“Diphenylphenanthrolineâ€“Ethynylpyrenephenanthroline Systems. European Journal of Inorganic Chemistry, 2008, 2008, 1293-1299.	1.0	18
60	Spirobifluorene Bridged Ir(III) and Os(II) Polypyridyl Arrays: Synthesis, Photophysical Characterization, and Energy Transfer Dynamics. Inorganic Chemistry, 2012, 51, 2832-2840.	1.9	18
61	Photoinduced energy transfer between Re(I) and Ru(II) termini connected through a new exo-ditopic bis-phenanthroline ligand fused to a central macrocycle spacer: Synthesis, structure, and electrochemical and photophysical properties of a heterodinuclear complex. Inorganica Chimica Acta, 2007, 360, 814-824.	1.2	16
62	Photoinduced energy transfer in multichromophores based on planar Ptâ€“bipyridineâ€“acetylide and octahedral Ruâ€“bipyridine centres. Dalton Transactions, 2008, , 1686.	1.6	16
63	A chelating diisocyanide ligand for cyclometalated Ir(<scp>iii</scp>) complexes with strong and tunable luminescence. Faraday Discussions, 2015, 185, 233-248.	1.6	16
64	Highly Efficient Luminescent Solar Concentrators Based on Benzoheterodiazole Dyes with Large Stokes Shifts. Chemistry - A European Journal, 2020, 26, 11013-11023.	1.7	16
65	Probing the influence of cisâ€“trans isomers on model lipid membrane fluidity using cis-parinaric acid and a stop-flow technique. Chemical Communications, 2006, , 529-531.	2.2	15
66	Self-assembling corroles. Chemical Communications, 2015, 51, 8284-8287.	2.2	15
67	Electrochemical and Spectroscopic Study of Mononuclear Ruthenium Water Oxidation Catalysts: A Combined Experimental and Theoretical Investigation. ACS Catalysis, 2016, 6, 7340-7349.	5.5	15
68	Characterization of supported mixed-oxide electrocatalysts by ion-beam techniques. Surface Science, 1991, 251-252, 73-77.	0.8	14
69	An electrospray ionization mass spectrometry study of the nitroprussideâ€“cationâ€“thiolate system. Dalton Transactions RSC, 2002, , 3649-3655.	2.3	14
70	Efficient Photoinduced Energy and Electron Transfer in Zn^{II}â€“Porphyrin/Fullerene Dyads with Interchromophoric Distances up to 2.6â€…nm and No Wireâ€like Connectivity. Chemistry - A European Journal, 2017, 23, 14200-14212.	1.7	14
71	Characterization of RuO2-based film electrodes by secondary ion mass spectrometry. Journal of Materials Chemistry, 1994, 4, 1255-1258.	6.7	13
72	cisâ€“trans Photoisomerization in [Ru(DIP)2(MeOH)2][OTf]2: synthesis, NMR, X-ray structure of the trans-isomer and photophysical properties. Dalton Transactions, 2007, , 2179-2186.	1.6	13

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73	Photochemistry of ansa-zirconocenes: ethylene-bis(1-indenyl)- and ethylene-bis(4,7-dimethyl-1-indenyl) zirconium dichlorides. Journal of Photochemistry and Photobiology A: Chemistry, 1999, 129, 137-142.	2.0	12
74	Photoinduced energy transfer processes in hybrid organicâ€“inorganic multichromophoric arrays arranged on a truxene-based platform. Dalton Transactions, 2012, 41, 13090.	1.6	12
75	Behaviour of the adsorbed Cl? intermediate in anodic Cl2 evolution at thin-film RuO2 surfaces. Journal of Materials Chemistry, 1991, 1, 725.	6.7	11
76	The Effect of Phenyl Substituents on the Activity of Some Zirconocene Photoinitiators. European Journal of Inorganic Chemistry, 2003, 2003, 324-330.	1.0	11
77	Photophysical Properties of Tolan Wavelength Shifters in Solution and Embedded in Polymeric Organic Thin Films. Journal of Physical Chemistry C, 2009, 113, 17927-17935.	1.5	11
78	On the route to mimic natural movements: synthesis and photophysical properties of a molecular arachnoid. Chemical Communications, 2011, 47, 451-453.	2.2	11
79	Photophysical study of spiro-bifluorene bridged Pt(ii), Os(ii) and Ir(iii) luminescent complexes and supramolecular arrays. Dalton Transactions, 2013, 42, 16818.	1.6	11
80	Secondary-ion mass spectrometry methodology and surface chemistry of mixed oxide electrodes: Modifications induced by noble-metal content. Rapid Communications in Mass Spectrometry, 1994, 8, 659-665.	0.7	10
81	A unique class of neutral cyclometalated platinum(<scp>ii</scp>) complexes with Ï€-bonded benzenedithiolate: synthesis, molecular structures and tuning of luminescence properties. Dalton Transactions, 2015, 44, 2973-2977.	1.6	10
82	Bright neodymium complexes for efficient near infra-red organic light emitting diodes. New Journal of Chemistry, 2020, 44, 14161-14170.	1.4	10
83	Enantiopure, luminescent, cyclometalated Ir(iii) complexes with N-heterocyclic carbene-naphthalimide chromophore: design, vibrational circular dichroism and TD-DFT calculations. Dalton Transactions, 2022, , .	1.6	10
84	Surface chemical changes of mixed-oxide films in Cl2 anodic production. Rapid Communications in Mass Spectrometry, 1993, 7, 887-890.	0.7	9
85	Multichromophoric Arrays Arranged around a Triptycene Scaffold: Synthesis and Photophysics. Inorganic Chemistry, 2013, 52, 8653-8664.	1.9	9
86	Zirconocenes as Photoinitiators for Free-Radical Polymerisation of Acrylates. European Journal of Inorganic Chemistry, 2002, 2002, 405-409.	1.0	8
87	From zirconium to titanium: the effect of the metal in t-butylacrylate photoinitiated polymerisation. New Journal of Chemistry, 2004, 28, 652.	1.4	7
88	Ester-substituted cyclometallated rhodium and iridium coordination assemblies with Ï€-bonded dioxolene ligand: synthesis, structures and luminescent properties. RSC Advances, 2014, 4, 23740-23748.	1.7	6
89	Adsorption of N-tosylglycine at the Hg/aqueous solution interface at various pH values. Electrochimica Acta, 1987, 32, 325-330.	2.6	5
90	Spectroscopic and Redox Properties of Novel d6-Complexes Engineered from All Z-Ethenylthiophene-bipyridine Ligands. Inorganic Chemistry, 2007, 46, 839-847.	1.9	5

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91	Molecular structure-interfacial activity relationship ofN-substituted amino acids. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 251, 201-215.	0.3	4
92	Color-Tunable Heterodinuclear Pt(II)/B(III) and Pt(II)/Ir(III) Arrays with N^O-julolidine Ligands. Inorganic Chemistry, 2017, 56, 4807-4817.	1.9	4
93	A Convenient Approach to Luminescent Cyclometalated Platinum(II) Complexes with Organometallic Ï€-Bonded Benzenedithiolate. European Journal of Inorganic Chemistry, 2018, 2018, 3804-3812.	1.0	4
94	Highlight on the solution processes occurring on silver(<scp>i</scp>)-assembling porphyrins in the presence of an excess of silver salt. Dalton Transactions, 2017, 46, 9375-9381.	1.6	3
95	Phosphorescent Cyclometalated Iridium(III) Complexes Bearing Ethynylâ€Extended 2â€(2'â€Hydroxyphenyl) Benzoxazole Ancillary Ligands. European Journal of Inorganic Chemistry, 2020, 2020, 1775-1782.	1.0	1