

Andrea Barbieri

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Bright neodymium complexes for efficient near infra-red organic light emitting diodes. New Journal of Chemistry, 2020, 44, 14161-14170.	1.4	10
3	Phosphorescent Cyclometalated Iridium(III) Complexes Bearing Ethynyl-Extended 2-(2'-Hydroxyphenyl) Benzoxazole Ancillary Ligands. European Journal of Inorganic Chemistry, 2020, 2020, 1775-1782.	1.0	1
4	Highly Efficient Luminescent Solar Concentrators Based on Benzoheterodiazole Dyes with Large Stokes Shifts. Chemistry - A European Journal, 2020, 26, 11013-11023.	1.7	16
5	A Visible-Near-Infrared Light-Responsive Host-Guest Pair with Nanomolar Affinity in Water. Chemistry - A European Journal, 2019, 25, 3477-3482.	1.7	33
6	Cyclometalated N-heterocyclic carbene iridium(III) complexes with naphthalimide chromophores: a novel class of phosphorescent heteroleptic compounds. Dalton Transactions, 2018, 47, 3440-3451.	1.6	23
7	A Convenient Approach to Luminescent Cyclometalated Platinum(II) Complexes with Organometallic π -Bonded Benzenedithiolate. European Journal of Inorganic Chemistry, 2018, 2018, 3804-3812.	1.0	4
8	Luminescent Cyclometalated Platinum Complexes with π -Bonded Catecholate Organometallic Ligands. Inorganic Chemistry, 2017, 56, 2050-2059.	1.9	21
9	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
10	Efficient Photoinduced Energy and Electron Transfer in Zn ^{II} -Porphyrin/Fullerene Dyads with Interchromophoric Distances up to 2.6 μ m and No Wire-like Connectivity. Chemistry - A European Journal, 2017, 23, 14200-14212.	1.7	14
11	Highlight on the solution processes occurring on silver(1)-assembling porphyrins in the presence of an excess of silver salt. Dalton Transactions, 2017, 46, 9375-9381.	1.6	3
12	A Mesoionic Carbene as Neutral Ligand for Phosphorescent Cationic Ir(III) Complexes. Inorganic Chemistry, 2016, 55, 7912-7919.	1.9	51
13	Deep-Red Phosphorescent Iridium(III) Complexes with Chromophoric N-Heterocyclic Carbene Ligands: Design, Photophysical Properties, and DFT Calculations. European Journal of Inorganic Chemistry, 2016, 2016, 1631-1634.	1.0	29
14	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
15	The Rise of Near-Infrared Emitters: Organic Dyes, Porphyrinoids, and Transition Metal Complexes. Topics in Current Chemistry, 2016, 374, 47.	3.0	58
16	Induced phosphorescence from Pt π -Ag and Ag(1)-Ag(1) metallophilic interactions in benzenedithiolatodiimine-Pt ₂ /Ag ₂ clusters: a combined experimental and theoretical investigation. Dalton Transactions, 2016, 45, 2906-2913.	1.6	21
17	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
18	Alkaline Earth Metal Ion/Dihydroxy-Terephthalate MOFs: Structural Diversity and Unusual Luminescent Properties. Inorganic Chemistry, 2015, 54, 5813-5826.	1.9	71

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19	A unique class of neutral cyclometalated platinum(II) complexes with π -bonded benzenedithiolate: synthesis, molecular structures and tuning of luminescence properties. Dalton Transactions, 2015, 44, 2973-2977.	1.6	10
20	Panchromatic luminescence from julolidine dyes exhibiting excited state intramolecular proton transfer. Chemical Communications, 2015, 51, 3351-3354.	2.2	40
21	Self-assembling corroles. Chemical Communications, 2015, 51, 8284-8287.	2.2	15
22	A chelating diisocyanide ligand for cyclometalated Ir(III) complexes with strong and tunable luminescence. Faraday Discussions, 2015, 185, 233-248.	1.6	16
23	Photosystem I-based Biophotovoltaics on Nanostructured Hematite. Advanced Functional Materials, 2014, 24, 7467-7477.	7.8	70
24	Catalytic Water Splitting with an Iridium Carbene Complex: A Theoretical Study. Chemistry - A European Journal, 2014, 20, 5358-5368.	1.7	20
25	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
26	Ester-substituted cyclometalated rhodium and iridium coordination assemblies with π -bonded dioxolene ligand: synthesis, structures and luminescent properties. RSC Advances, 2014, 4, 23740-23748.	1.7	6
27	Tuning Excited States of Bipyridyl Platinum(II) Chromophores with π -Bonded Catecholate Organometallic Ligands: Synthesis, Structures, TD-DFT Calculations, and Photophysical Properties. Inorganic Chemistry, 2014, 53, 6624-6633.	1.9	26
28	Multichromophoric Arrays Arranged around a Triptycene Scaffold: Synthesis and Photophysics. Inorganic Chemistry, 2013, 52, 8653-8664.	1.9	9
29	Switch On/Switch Off Signal in an MOF-Guest Crystalline Device. European Journal of Inorganic Chemistry, 2013, 2013, 4459-4465.	1.0	24
30	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
31	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
32	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
33	Turning on Red and Near-Infrared Phosphorescence in Octahedral Complexes with Metalated Quinones. Inorganic Chemistry, 2012, 51, 1739-1750.	1.9	31
34	Photoinduced energy-transfer dynamics in multichromophoric arrays containing transition metal complexes and organic modules. Coordination Chemistry Reviews, 2012, 256, 1732-1741.	9.5	37
35	Photoinduced energy transfer processes in hybrid organic-inorganic multichromophoric arrays arranged on a truxene-based platform. Dalton Transactions, 2012, 41, 13090.	1.6	12
36	On the route to mimic natural movements: synthesis and photophysical properties of a molecular arachnid. Chemical Communications, 2011, 47, 451-453.	2.2	11

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37	Photophysical Properties of Charged Cyclometalated Ir(III) Complexes: A Joint Theoretical and Experimental Study. <i>Inorganic Chemistry</i> , 2011, 50, 7229-7238.	1.9	101
38	d ⁴ f Energy Transfer in a Series of Ir ^{III} /Eu ^{III} Dyads: Energy-Transfer Mechanisms and White-Light Emission. <i>Inorganic Chemistry</i> , 2011, 50, 11323-11339.	1.9	101
39	Influence of hydroxypropyl- β -cyclodextrin on photo-induced free radical production by the sunscreen agent, butyl-methoxydibenzoylmethane. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 54, 1553-1558.	1.2	30
40	A Pre-organised Truxene Platform for Phosphorescent [Ru(bpy) ₂] and [Os(bpy) ₂] Metal Centres: A Clear-Cut Switch from Förster to Dexter Type Energy Transfer Mechanism. <i>Chemistry - A European Journal</i> , 2010, 16, 9226-9236.	1.7	23
41	On/Off Switching of Perylene Tetracarboxylic Bisimide Luminescence by Means of Substitution at the N-Position by Electron-Rich Mono-, Di-, and Trimethoxybenzenes. <i>Chemistry - A European Journal</i> , 2010, 16, 13406-13416.	1.7	20
42	Energy Transfer Dynamics in Multichromophoric Arrays Engineered from Phosphorescent Pt ^{II} /Ru ^{II} /Os ^{II} Centers Linked to a Central Truxene Platform. <i>Inorganic Chemistry</i> , 2010, 49, 8333-8346.	1.9	42
43	Organometallic Quinonoid Linkers: A Versatile Tether for the Design of Panchromatic Ruthenium(II) Heteroleptic Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 10762-10764.	1.9	21
44	Excited-State Dynamics in a Dyad Comprising Terpyridine-Platinum(II) Ethynylene Linked to Pyrrolidino-[60]Fullerene. <i>Inorganic Chemistry</i> , 2009, 48, 6409-6416.	1.9	25
45	[Ru(bipy) ₃] ²⁺ and [Os(bipy) ₃] ²⁺ chromophores as sensitizers for near-infrared luminescence from Yb(III) and Nd(III) in d/f dyads: contributions from Förster, Dexter, and redox-based energy-transfer mechanisms. <i>Dalton Transactions</i> , 2009, , 3971.	1.6	57
46	Photophysical Properties of Tolan Wavelength Shifters in Solution and Embedded in Polymeric Organic Thin Films. <i>Journal of Physical Chemistry C</i> , 2009, 113, 17927-17935.	1.5	11
47	On the Mechanism of d ⁴ f Energy Transfer in Ru ^{II} /Ln ^{III} and Os ^{II} /Ln ^{III} Dyads: Dexter Type Energy Transfer Over a Distance of 20 Å... <i>Chemistry - A European Journal</i> , 2008, 14, 9389-9399.	1.7	123
48	Synthesis, Electrochemical and Optical Properties of Ru ^{II} -Diphenylphenanthroline-Ethynylpyrenephenanthroline Systems. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1293-1299.	1.0	18
49	Luminescent Cyclometalated Rh ^{III} , Ir ^{III} , and (DIP) ₂ Ru ^{II} Complexes with Carboxylated Bipyridyl Ligands: Synthesis, X-ray Molecular Structure, and Photophysical Properties. <i>Inorganic Chemistry</i> , 2008, 47, 3340-3348.	1.9	78
50	Luminescent complexes beyond the platinum group: the d10 avenue. <i>Chemical Communications</i> , 2008, , 2185.	2.2	566
51	Photoinduced energy transfer in multichromophores based on planar Pt-bipyridine-acetylide and octahedral Ru-bipyridine centres. <i>Dalton Transactions</i> , 2008, , 1686.	1.6	16
52	Trichromophoric Systems from Square-Planar Pt-Ethynylbipyridine and Octahedral Ru- and Os-Bipyridine Centers: Syntheses, Structures, Electrochemical Behavior, and Bipartition of Energy Transfer. <i>Inorganic Chemistry</i> , 2008, 47, 7048-7058.	1.9	30
53	Ruthenium-Terpyridine Complexes with Multiple Ethynylpyrenyl or Ethynyltoluyl Subunits: X-ray Structure, Redox, and Spectroscopic Properties. <i>Inorganic Chemistry</i> , 2007, 46, 7341-7350.	1.9	24
54	Ligand-field excited states of hexacyanochromate and hexacyanocobaltate as sensitizers for near-infrared luminescence from Nd(III) and Yb(III) in cyanide-bridged d ⁴ f assemblies. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 1152-1157.	1.6	66

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55	Fast, through-bond mediated energy transfer from Ir(III) to Ru(II) in di- and tetranuclear heterometallic assemblies: elucidation of a two-step Ir → Ir → Ru energy transfer process. <i>Photochemical and Photobiological Sciences</i> , 2007, 6, 397-405.	1.6	23
56	cis→trans Photoisomerization in [Ru(DIP)2(MeOH)2][OTf]2: synthesis, NMR, X-ray structure of the trans-isomer and photophysical properties. <i>Dalton Transactions</i> , 2007, , 2179-2186.	1.6	13
57	Testing Oligothiophene Fluorophores under Physiological Conditions. Preparation and Optical Characterization of the Conjugates of Bovine Serum Albumin with Oligothiophene-N-Hydroxysuccinimidyl Esters. <i>Bioconjugate Chemistry</i> , 2007, 18, 1004-1009.	1.8	19
58	Bimetallic Iridium(III) Complexes Consisting of Ir(ppy)2 Units (ppy = 2-Phenylpyridine) and Two Laterally Connected N→N Chelates as Bridge: Synthesis, Separation, and Photophysical Properties. <i>Inorganic Chemistry</i> , 2007, 46, 6911-6919.	1.9	83
59	Spectroscopic and Redox Properties of Novel d6-Complexes Engineered from All Z-Ethenylthiophene-bipyridine Ligands. <i>Inorganic Chemistry</i> , 2007, 46, 839-847.	1.9	5
60	Photochemistry and Photophysics of Coordination Compounds: Iridium. , 2007, , 143-203.		892
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. <i>Inorganica Chimica Acta</i> , 2007, 360, 814-824.	1.2	16
62	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. <i>Inorganica Chimica Acta</i> , 2007, 360, 2231-2244.	1.2	19
63	Probing the influence of cis→trans isomers on model lipid membrane fluidity using cis-parinaric acid and a stop-flow technique. <i>Chemical Communications</i> , 2006, , 529-531.	2.2	15
64	Dinuclear Iridium(III) Complexes Consisting of Back-to-Back terpyridine Bridging Ligands (n= 0, 1, or 2) and Ethynylthiophene Bridging Ligands. <i>Inorganic Chemistry</i> , 2006, 45, 1173-1183.	1.9	53
65	Energy Transfer in Hybrids Based on a Thiophene-Substituted Ethynylbipyridine Dimer Decorated with Re(I), Ru(II), and Os(II) Units. <i>Inorganic Chemistry</i> , 2006, 45, 1173-1183.	1.9	24
66	Comparison of Phosphatidylcholine Vesicle Properties Related to Geometrical Isomerism. <i>Photochemistry and Photobiology</i> , 2006, 82, 274.	1.3	23
67	Binuclear Wirelike Dimers Based on Ruthenium(II) Bipyridine Units Linked by Ethynylene Oligothiophene Ethynylene Bridges. <i>Inorganic Chemistry</i> , 2005, 44, 8033-8043.	1.9	26
68	Eilatin Complexes of Ruthenium and Osmium. Synthesis, Electrochemical Behavior, and Near-IR Luminescence. <i>Inorganic Chemistry</i> , 2005, 44, 7943-7950.	1.9	47
69	Exciton-like energy collection in an oligothiophene wire end-capped by Ru- and Os-polypyridine chromophores. <i>Chemical Communications</i> , 2005, , 802-804.	2.2	31
70	Mononuclear and Dinuclear Complexes of Isoelatin. <i>Inorganic Chemistry</i> , 2005, 44, 2513-2523.	1.9	31
71	New ligands in the 2,2'-dipyridylamine series and their Re(I) complexes; synthesis, structures and luminescence properties. <i>New Journal of Chemistry</i> , 2004, 28, 398-405.	1.4	35
72	Mononuclear and Binuclear Wirelike Ruthenium(II) Complexes with Oligo-diethynyl-thiophene Bridged Back-to-Back Terpyridine Ligands: Synthesis and Electrochemical and Photophysical Properties. <i>Inorganic Chemistry</i> , 2004, 43, 7359-7368.	1.9	69

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73	Mononuclear and Dinuclear Complexes of Dibenzoeilatin:Â Synthesis, Structure, and Electrochemical and Photophysical Properties. <i>Inorganic Chemistry</i> , 2004, 43, 2355-2367.	1.9	43
74	Diastereoselective Formation of Chiral Tris-Cyclometalated Iridium (III) Complexes:Â Characterization and Photophysical Properties. <i>Journal of the American Chemical Society</i> , 2004, 126, 9339-9348.	6.6	174
75	From zirconium to titanium: the effect of the metal in t-butylacrylate photoinitiated polymerisation. <i>New Journal of Chemistry</i> , 2004, 28, 652.	1.4	7
76	RNA expression induced by cisplatin in an organ of Corti-derived immortalized cell line. <i>Hearing Research</i> , 2004, 196, 8-18.	0.9	25
77	The Effect of Phenyl Substituents on the Activity of Some Zirconocene Photoinitiators. <i>European Journal of Inorganic Chemistry</i> , 2003, 2003, 324-330.	1.0	11
78	An electrospray ionization mass spectrometry study of the nitroprussideâ€“cationâ€“thiolate system. <i>Dalton Transactions RSC</i> , 2002, , 3649-3655.	2.3	14
79	Reactions of the $[Fe(CN)_5NO]^{2-}$ complex with biologically relevant thiols. <i>New Journal of Chemistry</i> , 2002, 26, 1495-1502.	1.4	42
80	Zirconocenes as Photoinitiators for Free-Radical Polymerisation of Acrylates. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 405-409.	1.0	8
81	Photochemistry of the $[Fe(CN)_5N(O)SR]^{3-}$ complex. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001, 143, 99-108.	2.0	24
82	Photochemistry of ansa-zirconocenes: ethylene-bis(1-indenyl)- and ethylene-bis(4,7-dimethyl-1-indenyl) zirconium dichlorides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1999, 129, 137-142.	2.0	12
83	Detection of xanthine oxidase activity products by EPR and HPLC in bronchoalveolar lavage fluid from patients with chronic obstructive pulmonary disease. <i>Free Radical Biology and Medicine</i> , 1998, 25, 771-779.	1.3	55
84	Electrochemical treatment of bisphenol-A containing wastewaters. <i>Journal of Applied Electrochemistry</i> , 1994, 24, 1052-1058.	1.5	61
85	Secondary-ion mass spectrometry methodology and surface chemistry of mixed oxide electrodes: Modifications induced by noble-metal content. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 659-665.	0.7	10
86	Physicochemical properties of thermally prepared Ti-supported IrO_2 + ZrO_2 electrocatalysts. <i>Journal of Electroanalytical Chemistry</i> , 1994, 376, 195-202.	1.9	39
87	Thermoanalytical investigation of the formation of RuO_2 -based mixed-oxide electrodes. <i>Materials Chemistry and Physics</i> , 1994, 37, 23-28.	2.0	22
88	Characterization of RuO_2 -based film electrodes by secondary ion mass spectrometry. <i>Journal of Materials Chemistry</i> , 1994, 4, 1255-1258.	6.7	13
89	Surface chemical changes of mixed-oxide films in Cl_2 anodic production. <i>Rapid Communications in Mass Spectrometry</i> , 1993, 7, 887-890.	0.7	9
90	Thermoanalytical investigation on the formation of IrO_2 -based mixed oxide coatings. <i>Journal of Applied Electrochemistry</i> , 1993, 23, 615-624.	1.5	25

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91	Characterization of supported mixed-oxide electrocatalysts by ion-beam techniques. <i>Surface Science</i> , 1991, 251-252, 73-77.	0.8	14
92	Behaviour of the adsorbed Cl ⁻ intermediate in anodic Cl ₂ evolution at thin-film RuO ₂ surfaces. <i>Journal of Materials Chemistry</i> , 1991, 1, 725.	6.7	11
93	Depth profiles and electrochemical properties of IrO ₂ electrocatalysts stabilized with TiO ₂ . <i>Journal of Materials Chemistry</i> , 1991, 1, 191.	6.7	25
94	Molecular structure-interfacial activity relationship of N-substituted amino acids. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 251, 201-215.	0.3	4
95	Adsorption of N-tosylglycine at the Hg/aqueous solution interface at various pH values. <i>Electrochimica Acta</i> , 1987, 32, 325-330.	2.6	5