Iolinda Aiello

List of Publications by Year
in descending order

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98 papers	2,276 citations	186209 28 h-index	254106 43 g-index
102 all docs	102 docs citations	102 times ranked	2354 citing authors

#	Article	IF	Citations
1	Azobenzenes and heteroaromatic nitrogen cyclopalladated complexes for advanced applications. Coordination Chemistry Reviews, 2006, 250, 1373-1390.	9.5	172
2	Synthesis and photophysical characterisation of soluble photoluminescent metal complexes with substituted 8-hydroxyquinolines. Synthetic Metals, 2003, 138, 189-192.	2.1	92
3	Efficient, Ultrafast, Microwave-Assisted Syntheses of Cycloplatinated Complexes. European Journal of Inorganic Chemistry, 2007, 2007, 5105-5111.	1.0	89
4	Dinuclear cyclopalladated azobenzene complexes: a comparative study on model compounds for organometallic liquid-crystalline materials. Applied Organometallic Chemistry, 1999, 13, 565-581.	1.7	76
5	Coordination Induction of Nonlinear Molecular Shape in Mesomorphic and Luminescent Zn^{II} Complexes Based on Salenâ€Like Frameworks. European Journal of Inorganic Chemistry, 2009, 2009, 4274-4281.	1.0	76
6	Red to Green Switch Driven by Order in an Ionic IrIII Liquid-Crystalline Complex. European Journal of Inorganic Chemistry, 2010, 2010, 3270-3277.	1.0	64
7	Synthesis and characterization of a homologous series of mononuclear palladium complexes containing different cyclometalated ligands. Inorganica Chimica Acta, 2000, 308, 121-128.	1.2	62
8	Synthesis and spectroscopic characterization of organometallic chromophores for photoluminescent materials: cyclopalladated complexes. Journal of Luminescence, 2002, 96, 249-259.	1.5	57
9	Spectroscopy and electrochemical properties of a homologous series of acetylacetonato and hexafluoroacetylacetonato cyclopalladated and cycloplatinated complexes. Dalton Transactions, 2008, , 4303.	1.6	57
10	Growth of mesoscopic correlated droplet patterns by high-vacuum sublimation. Physical Review B, 2000, 61, R16339-R16342.	1.1	56
11	Mixed 2-phenylpyridine and 5-substitued-8-hydroxyquinolines palladium(ii) complexes: new emitters in solutions at room temperatureElectronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/cc/b3/b304812h/. Chemical Communications, 2003, , 2198.	2.2	56
12	A red emitting discotic liquid crystal containing the cyclopalladated nile red chromophore. Inorganic Chemistry Communication, 2007, 10, 243-246.	1.8	54
13	Organometallic emitting dyes: Palladium(II) nile red complexes. Journal of Organometallic Chemistry, 2005, 690, 857-861.	0.8	53
14	Cyclometalated Complexes:Â A New Class of Highly Efficient Photorefractive Materials. Journal of the American Chemical Society, 2001, 123, 5598-5599.	6.6	48
15	Fine-tuning the luminescent properties of metal-chelating 8-hydroxyquinolines through amido substituents in 5-position. Inorganica Chimica Acta, 2004, 357, 33-40.	1.2	47
16	Zn(<scp>ii</scp>) and Cu(<scp>ii</scp>) complexes containing bioactive O,O-chelated ligands: homoleptic and heteroleptic metal-based biomolecules. Dalton Transactions, 2015, 44, 9321-9334.	1.6	47
17	Synthesis and photophysical characterisation of luminescent zinc complexes with 5-substituted-8-hydroxyquinolines. Dalton Transactions RSC, 2002, , 3406-3409.	2.3	43
18	A New Blue Photoluminescent Salen-like Zinc Complex with Excellent Emission Quantum Yield. Chemistry Letters, 2004, 33, 1060-1061.	0.7	43

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19	Synthesis and Mesogenic Properties of Rodlike Bis(alkylphenylazo)-Substituted N,Nâ€¯-Salicylidenediaminato Nickel(II), Copper(II), and Oxovanadium(IV) Complexes. Chemistry of Materials, 1997, 9, 2107-2112.	3.2	42
20	Synthesis, Mesomorphism, and Spectroscopic Characterization of Bis[4-(n-alkoxy)-5-(p-n-tetradecylphenylazo)]-Substituted (N,Nâ€²-Salicylidenediaminato)nickel(II) Complexes. European Journal of Inorganic Chemistry, 1999, 1999, 1367-1372.	1.0	39
21	Investigations on the electronic effects of the peripheral 4â€²-group on 5-(4â€²-substituted)phenylazo-8-hydroxyquinoline ligands: zinc and aluminium complexes. Dalton Transactions, 2004, , 2424-2431.	1.6	36
22	Synthesis and solid state characterisation of mononuclear 2-benzoylpyridine N-methyl-N-phenylhydrazone palladium(ii) complexes. Dalton Transactions, 2004, , 1386.	1.6	36
23	Cyclopalladated Complexes as Photorefractive Materials with High Refractive Index Modulation. Advanced Materials, 2002, 14, 1233-1236.	11.1	33
24	Unsuspected mesomorphism in â€œtail-freeâ€•cyclopalladated 3,5-disubstituted-2-(2â€²-pyridyl)pyrroles. Chemical Communications, 2009, , 1550.	2.2	33
25	Plasmon-mediated cancer phototherapy: the combined effect of thermal and photodynamic processes. Nanoscale, 2017, 9, 19279-19289.	2.8	33
26	8-Hydroxyquinoline Monomer, Water Adducts, and Dimer. Environmental Influences on Structure, Spectroscopic Properties, and Relative Stability of Cis and Trans Conformers. Journal of Physical Chemistry A, 2007, 111, 13403-13414.	1.1	32
27	Highly luminescent bis-cyclometalated iridium(iii) ethylenediamine complex: synthesis and correlation between the solid state polymorphism and the photophysical properties. Dalton Transactions, 2010, 39, 1709.	1.6	31
28	Tuning solid state luminescent properties in a hydrogen bonding-directed supramolecular assembly of bis-cyclometalated iridium(iii) ethylenediamine complexes. Dalton Transactions, 2012, 41, 4919.	1.6	29
29	Liaisons between photoconductivity and molecular frame in organometallic Pd(ii) and Pt(ii) complexes. Journal of Materials Chemistry, 2011, 21, 13434.	6.7	27
30	A â€œjellyfishâ€•shaped green emitting gallium(iii)-containing metallomesogen. Chemical Communications, 2008, , 2254.	2.2	26
31	Synthesis and crystal structure of dinuclear cyclopalladated 1,2- and 1,3-bridged squarato complexes. Inorganica Chimica Acta, 2000, 304, 219-223.	1.2	25
32	Organometallic red-emitting chromophores: a computational and experimental study on cyclometallated Nile Red complexes of palladium(ii) and platinum(ii) acetylacetonates and hexafluoroacetylacetonates. Dalton Transactions, 2008, , 6563.	1.6	25
33	Self-incorporation of a luminescent neutral iridium(iii) complex in different mesoporous micelle-templated silicas. New Journal of Chemistry, 2011, 35, 141-148.	1.4	25
34	Electropolymerized Highly Photoconductive Thin Films of Cyclopalladated and Cycloplatinated Complexes. ACS Applied Materials & Interfaces, 2015, 7, 4019-4028.	4.0	23
35	Near-IR Electrochromism in Electrodeposited Thin Films of Cyclometalated Complexes. ACS Applied Materials & Interfaces, 2016, 8, 12272-12281.	4.0	21
36	UV/Vis to NIR Photoconduction in Cyclopalladated Complexes. Chemistry - an Asian Journal, 2009, 4, 1141-1146.	1.7	20

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37	Monomeric and polymeric oxovanadium(IV) complexes containing 5-(4â€²-alkyl-phenylazo)-8-hydroxy-quinoline ligands. Inorganica Chimica Acta, 1997, 255, 133-137.	1.2	19
38	Blue emitting pentacoordinated Al(iii) complexes based on 2-methylquinolin-8-olate and substituted phenolate ligands. The role of phenolate derivatives on emission and absorption properties. Dalton Transactions, 2006, , 330-339.	1.6	19
39	Anionic cyclometallated Pt(ii) square-planar complexes: new sets of highly luminescent compounds. Dalton Transactions, 2017, 46, 12625-12635.	1.6	19
40	A novel route towards water-soluble luminescent iridium(<scp>iii</scp>) complexes via a hydroxy-bridged dinuclear precursor. Dalton Transactions, 2016, 45, 17264-17273.	1.6	18
41	Rheological and photophysical investigations of chromonic-like supramolecular mesophases formed by luminescent iridium(III) ionic complexes in water. Liquid Crystals, 2017, 44, 880-888.	0.9	18
42	Synthesis and characterization of cyclopalladated ionic complexes. Inorganic Chemistry Communication, 2006, 9, 93-95.	1.8	17
43	Cyclometalated Pt(iv) trans-diiodo adducts: experimental and computational studies within an homologous series of compounds. Dalton Transactions, 2011, 40, 5259.	1.6	17
44	Luminescent water-soluble cycloplatinated complexes: Structural, photophysical, electrochemical and chiroptical properties. Inorganica Chimica Acta, 2017, 461, 267-274.	1.2	17
45	Luminescent chiral ionic Ir(III) complexes: Synthesis and photophysical properties. Journal of Luminescence, 2016, 170, 812-819.	1.5	16
46	Influence of the counterion on the geometry of Cu(I) and Cu(II) complexes with 1,10-phenanthroline. Inorganica Chimica Acta, 2018, 470, 342-351.	1.2	15
47	Anionic cyclometalated Pt(<scp>ii</scp>) and Pt(<scp>iv</scp>) complexes respectively bearing one or two 1,2-benzenedithiolate ligands. Dalton Transactions, 2018, 47, 11645-11657.	1.6	15
48	Photorefractive Performance Enhancement in Polymer Dispersions of Nanosized Crystalline Domains. Advanced Materials, 2003, 15, 723-726.	11.1	14
49	Tetranuclear zinc complexes of ligands containing the 2-pyridyl oxime chelating site. Inorganica Chimica Acta, 2008, 361, 2677-2682.	1.2	14
50	Zinc(II) Complexes of Acylpyrazolones Decorated with a Cyclohexyl Group Display Antiproliferative Activity Against Human Breast Cancer Cells. European Journal of Inorganic Chemistry, 2020, 2020, 1027-1039.	1.0	14
51	Experimental and computational evidence of the intermolecular motifs in the crystal packing of luminescent pentacoordinated gallium(iii) complexes. Dalton Transactions, 2006, , 5124.	1.6	13
52	Copper(II) and Nickel(II) Complexes of a Tetradentate Ligand Containing an N,Nâ€²-Bis(Salicylidene)Dodecane-1, 10-Diamine Core. Molecular Crystals and Liquid Crystals, 2009, 500, 144-154.	0.4	13
53	Thermotropic mesomorphism in pentaâ€•and heptaâ€coordinated metal complexes. Liquid Crystals, 2005, 32, 763-769.	0.9	12
54	Thermotropic Mesomorphism in Salen-like Zinc Complexes. Molecular Crystals and Liquid Crystals, 2008, 481, 1-13.	0.4	12

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55	Cyclopalladated 3,5â€Disubstituted 2â€(2â€²â€Pyridyl)pyrroles Complexed to 8â€Hydroxyquinoline or 4â€Hydroxyacridine. European Journal of Inorganic Chemistry, 2013, 2013, 2188-2194.	1.0	12
56	3,5-Disubstituted-2-(2â€²-pyridylpyrroles) Ir(III) complexes: Structural and photophysical characterization. Journal of Organometallic Chemistry, 2015, 786, 55-62.	0.8	12
57	Cytotoxic performances of new anionic cyclometalated Pt(II) complexes bearing chelated O^O ligands. Applied Organometallic Chemistry, 2020, 34, e5455.	1.7	12
58	Title is missing!. Acta Polymerica, 1997, 48, 400-403.	1.3	11
59	NLO active Pd(II)-based organometallic side-chain polymers with C,N or N,O-chelating chromophoric ligands. Polymer, 2003, 44, 7635-7643.	1.8	11
60	Blue-emitting mesoporous films prepared via incorporation of luminescent Schiff base zinc(II) complex. Journal of Sol-Gel Science and Technology, 2008, 47, 283-289.	1.1	11
61	Role of Fluorine Interactions in the Solid State Structure and Photophysical Properties of 3,5-Disubstituted-2-(2â€²-pyridyl)pyrrole Pd(II) Complexes. Crystal Growth and Design, 2012, 12, 2173-2177.	1.4	11
62	Investigation of new additives to reduce the fume emission of bitumen during Asphalt Concrete Processing. Mediterranean Journal of Chemistry, 2018, 7, 259-266.	0.3	11
63	Influence of the metal center on the morphology of coordination compounds thin films. Synthetic Metals, 1999, 101, 140-141.	2.1	10
64	Charge-Transfer Matrixes as a Tool To Desorb Intact Labile Molecules by Matrix-Assisted Laser Desorption/Ionization. Use of 2,7-Dimethoxynaphthalene in the Ionization of Polymetallic Porphyrins. Analytical Chemistry, 2004, 76, 5985-5989.	3.2	10
65	Electrochemical and solvatochromic study of cyclopalladated complexes. Chemical Physics Letters, 2005, 410, 201-203.	1.2	10
66	High Order in a Selfâ€Assembled Iridium(III) Complex Gelator Towards Nanostructured IrO₂ Thin Films. Chemistry - an Asian Journal, 2017, 12, 2703-2710.	1.7	10
67	Functionalization and Modification of Bitumen by Silica Nanoparticles. Applied Sciences (Switzerland), 2020, 10, 6065.	1.3	10
68	Electropolymerizable Ir III Complexes with Î²â€Ketoiminate Ancillary Ligands. Chemistry - an Asian Journal, 2019, 14, 3025-3034.	1.7	9
69	Preparation and Characterization of Silver(I) Ethylcellulose Thin Films as Potential Food Packaging Materials. ChemPlusChem, 2020, 85, 426-440.	1.3	9
70	Zinc porphyrin with phenoxy-bridged pentacoordinate bis(8-hydroxyquinaldinate)gallium lateral pendants: synthesis and photophysical characterization. Inorganic Chemistry Communication, 2004, 7, 1273-1276.	1.8	8
71	Electrochromic behaviour of Ir(<scp>iii</scp>) bis-cyclometalated 1,2-dioxolene tetra-halo complexes: fully reversible catecholate/semiquinone redox switches. Dalton Transactions, 2020, 49, 2628-2635.	1.6	8
72	Cytotoxicity of Alizarine versus Tetrabromocathecol Cyclometalated Pt(II) Theranostic Agents: A Combined Experimental and Computational Investigation. Inorganic Chemistry, 2022, 61, 7188-7200.	1.9	7

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73	Laser Written Permanent Gratings in a New Liquid Crystalline Organometallic Polymer. Molecular Crystals and Liquid Crystals, 1998, 320, 165-171.	0.3	6
74	Aluminum(III), gallium(III), and indium(III) 4-hydroxyacridinato complexes. Journal of Coordination Chemistry, 2009, 62, 3351-3365.	0.8	6
75	Neutral and Cationic Cyclopalladated Nile Red Metallomesogens: Synthesis and Characterization In Memory of Dr. Teresa Pugliese. Molecular Crystals and Liquid Crystals, 2012, 558, 84-92.	0.4	6
76	Spicy Bitumen: Curcumin Effects on the Rheological and Adhesion Properties of Asphalt. Materials, 2021, 14, 1622.	1.3	6
77	New Zinc-Based Active Chitosan Films: Physicochemical Characterization, Antioxidant, and Antimicrobial Properties. Frontiers in Chemistry, 0, 10, .	1.8	6
78	Synthesis and Characterization of Hyperâ€Branched Nanoparticles with Magnetic and Plasmonic Properties. ChemistrySelect, 2022, 7, .	0.7	6
79	Synthesis and solid state characterization of hexacoordinated 1 : 1 ionic gallium(iii) complexes. Dalton Transactions, 2008, , 1186-1194.	1.6	5
80	Absolute emission quantum yield determination of self-assembled mesoporous titania films grafted with a luminescent zinc complex. Inorganic Chemistry Communication, 2009, 12, 237-239.	1.8	5
81	Heteroleptic Cu(<scp>ii</scp>) saccharin complexes: intriguing coordination modes and properties. Inorganic Chemistry Frontiers, 2021, 8, 3342-3353.	3.0	5
82	Light-induced reorientation and birefringence in polymeric dispersions of nano-sized crystals. Optics Express, 2008, 16, 6910.	1.7	4
83	Fluorine Interactions in the 3D Packing of â€œPt(IV)I₂â€•Organometallic Molecular Materials: Structural and Computational Approaches. Crystal Growth and Design, 2017, 17, 409-413.	1.4	4
84	A luminescent lyotropic liquid-crystalline gel of a water-soluble Ir(III) complex. Journal of Molecular Liquids, 2021, 334, 116187.	2.3	4
85	Substituted-8-Hydroxyquinolines Metal Complexes for Application in Organic Light Emitting Devices. , 2003, , 107-119.		4
86	Cyclopalladated hydrazones complexed to pyridinyl ligands. Inorganic Chemistry Communication, 2007, 10, 825-828.	1.8	3
87	Mesoporous materials incorporating a zinc(II) complex: Synthesis and direct luminescence quantum yield determination. Journal of Photochemistry and Photobiology A: Chemistry, 2009, 201, 81-86.	2.0	3
88	Adsorption of Nile Red Self-Assembled Monolayers on Au(111). Langmuir, 2019, 35, 14761-14768.	1.6	3
89	Thin Film Electrodeposition of Ir(III) Cyclometallated Complexes. Journal of Chemistry, 2016, 2016, 1-7.	0.9	2
90	Photoconductive Properties and Electronic Structure in 3,5-Disubstituted 2-(2â€²-Pyridyl)Pyrroles Coordinated to a Pd(II) Salicylideneiminate Synthon. Inorganic Chemistry, 2021, 60, 9287-9301.	1.9	2

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91	<title>Advances in organic photorefractive materials development</title>. , 2002, , .		1
92	Advances in photoconductive and photorefractive cyclometalated complexes development. , 2004, 5521, 103.		1
93	Anionic versus neutral Pt(II) complexes: The relevance of the charge for human serum albumin binding. Journal of Inorganic Biochemistry, 2020, 206, 111024.	1.5	1
94	Polyalkylated gallic esters and acids, high performant warm mix asphalt and adhesion promoters for bitumen. International Journal of Adhesion and Adhesives, 2022, 118, 103228.	1.4	1
95	Cyclopalladated Complexes: A New Class of Highly Efficient Single Component Photorefractive Materials. , 2003, , 93-106.		0
96	Intermolecular interactions and nano-segregation in the modulation of liquid crystalline properties of molecular materials. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s98-s98.	0.3	0
97	The 'organic fluorine' in action in the construction of organometallic molecular materials. Acta Crystallographica Section A: Foundations and Advances, 2011, 67, C604-C604.	0.3	0
98	Mesoporous Hybrid Titania And Silica Films Prepared Via Post-Synthesis Grafting Of A Luminescent Zinc Complex. , 0, , 1-6.		0