

Deng-Ke Cao

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Two cyclometalated Pt(II) complexes showing reversible phosphorescence switching due to grinding-induced destruction and crystallization-induced formation of supramolecular dimer structure. <i>RSC Advances</i> , 2021, 12, 148-153.	3.6	4
2	Single-Molecule MicroRNA Electrochemiluminescence Detection Using Cyclometalated Dinuclear Ir(III) Complex with Synergistic Effect. <i>Analytical Chemistry</i> , 2020, 92, 1268-1275.	6.5	23
3	Two Anthracene-Based Ir(III) Complexes $[\text{Ir}(\text{pbt})_2(\text{aip})]\text{Cl}$ and $[\text{Ir}(\text{pbt})_2(\text{aipm})]\text{Cl}$: Relationship between Substituent Group and Photo-oxidation Activity as Well as Photo-oxidation-Induced Luminescence. <i>Inorganic Chemistry</i> , 2020, 59, 17071-17076.	4.0	3
4	Solvent-driven luminescence modulation/switching in an iridium(III) complex containing an aldehyde group. <i>Dalton Transactions</i> , 2019, 48, 15114-15120.	3.3	3
5	Aggregation-Induced Electrochemiluminescence from a Cyclometalated Iridium(III) Complex. <i>Inorganic Chemistry</i> , 2018, 57, 4310-4316.	4.0	68
6	Cyclometalated Ir(III) complexes $[\text{Ir}(\text{tpy})(\text{bbibH})_2]\text{Cl}$ $[\text{PF}_6]_3$ and $[\text{Ir}(\text{tpy})(\text{bmbib})]\text{Cl}$ $[\text{PF}_6]_3$: intramolecular $\text{I}\cdots\text{I}$ interactions leading to facile synthesis and enhanced luminescence. <i>Dalton Transactions</i> , 2018, 47, 9779-9786.	3.3	9
7	Cyclometalated Ir(III) complexes containing quinoline-benzimidazole-based $\text{N}^{\wedge}\text{N}$ ancillary ligands: structural and luminescence modulation by varying the substituent groups or the protonation/deprotonation state of imidazole units. <i>Dalton Transactions</i> , 2017, 46, 275-286.	3.3	26
8	Cyclometalated Ir(III) complexes based on 2-(2,4-difluorophenyl)-pyridine and 2,2'-(2-phenyl-1H-imidazole-4,5-diyl)dipyridine: acid/base-induced structural transformation and luminescence switching, and photocatalytic activity for hydrogen evolution. <i>Dalton Transactions</i> , 2017, 46, 8180-8189.	3.3	11
9	Cyclometalated Ir(III) complexes incorporating a photoactive anthracene-based ligand: syntheses, crystal structures and luminescence switching by light irradiation. <i>Dalton Transactions</i> , 2017, 46, 15443-15450.	3.3	4
10	Coordination mode-induced isomeric cyclometalated $[\text{Ir}(\text{tpy})(\text{nbi})]\text{Cl}$ $[\text{PF}_6]_3$ complexes: distinct luminescence, self-assembly and cellular imaging behaviors. <i>Dalton Transactions</i> , 2017, 46, 16787-16791.	3.3	9
11	Heteroleptic Ir(III) and Pt(II) complexes based on 2-(2,4-difluorophenyl)-pyridine and bithienylethene BrLH: the influence of the metal center on structures, luminescence and photochromism. <i>Dalton Transactions</i> , 2016, 45, 9328-9335.	3.3	4
12	Bithienylethenes containing an imidazole bridge unit and their Ir(III) complexes: influence of substituent groups on photochromism and luminescence. <i>RSC Advances</i> , 2016, 6, 69677-69684.	3.6	2
13	Bithienylethene Th2im and its complex $(\text{Th2imH})_2[\text{ReCl}_6]$: crystalline-phase photochromism, and photochemical regulation of luminescence and magnetic properties. <i>Dalton Transactions</i> , 2016, 45, 3443-3449.	3.3	10
14	2-(Anthracenyl)-4,5-bis(2,5-dimethyl(3-thienyl))-1H-imidazole: regulatable stacking structures, reversible grinding- and heating-induced emission switching, and solid-state photodimerization behavior. <i>Chemical Science</i> , 2016, 7, 451-456.	7.4	27
15	Two bithienylethene-Ir(III) complexes showing acid/base-induced structural transformation and on/off luminescence switching in solution. <i>Dalton Transactions</i> , 2015, 44, 21008-21015.	3.3	14
16	Multifunctional mononuclear bithienylethene-cobalt(II) complexes: structures, slow magnetic relaxation and photochromic behavior. <i>Dalton Transactions</i> , 2015, 44, 5755-5762.	3.3	23
17	Heteroleptic Ir(III) complexes based on 2-(2,4-difluorophenyl)-pyridine and bithienylethene: structures, luminescence and photochromic properties. <i>Dalton Transactions</i> , 2015, 44, 4289-4296.	3.3	8
18	Two heteroleptic Ir(III)-bithienylethene compounds: syntheses, structures and aggregation-induced luminescence. <i>RSC Advances</i> , 2015, 5, 14359-14365.	3.6	6

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19	A mononuclear Dy(III) complex incorporating the dithienylethene unit: crystalline-phase photochromism, magnetic and luminescent properties. <i>RSC Advances</i> , 2014, 4, 43064-43069.	3.6	6
20	A mononuclear cobalt(II) dithienylethene complex showing slow magnetic relaxation and photochromic behavior. <i>Chemical Communications</i> , 2013, 49, 8863.	4.1	79
21	Mononuclear lanthanide complexes incorporating an anthracene group: structural modification, slow magnetic relaxation and multicomponent fluorescence emissions in Dy compounds. <i>Dalton Transactions</i> , 2013, 42, 11436.	3.3	20
22	Reaction of an anthracene-based cyclic phosphonate ester with trimethylsilyl bromide unexpectedly generating two phosphonates: syntheses, crystal structures and fluorescent properties. <i>RSC Advances</i> , 2013, 3, 4001.	3.6	5
23	Phosphonates containing 8-hydroxyquinoline moiety and their metal complexes: structures, fluorescent and magnetic properties. <i>Dalton Transactions</i> , 2013, 42, 12228.	3.3	12
24	Cobalt and copper phosphinates based on N-(phosphinomethyl)iminodiacetic acid: supramolecular layered structures and magnetic properties. <i>CrystEngComm</i> , 2012, 14, 4699.	2.6	7
25	Isostructural lanthanide oxalato-phosphonates Ln(5pm8hqH ₃)(C ₂ O ₄) _{1.5} (H ₂ O) ₂ [Ln(III) = Eu, Gd, Tb, Dy] (5pm8hqH ₃ = 5-phosphonomethyl-8-hydroxyquinoline): structures, magnetic and fluorescent properties. <i>RSC Advances</i> , 2012, 2, 6680.	3.6	15
26	Cobalt and Manganese Diphosphonates with One-, Two-, and Three-Dimensional Structures and Field-Induced Magnetic Transitions. <i>Inorganic Chemistry</i> , 2011, 50, 2278-2287.	4.0	48
27	Pillared Layered Metal Phosphonates Showing Field-Induced Magnetic Transitions. <i>European Journal of Inorganic Chemistry</i> , 2010, 2010, 895-901.	2.0	8
28	[M(OOCC ₆ H ₄ PO ₃ H)(H ₂ O)] (M(II) = Mn, Co, Ni): layered metal phosphonates showing variable magnetic behavior. <i>CrystEngComm</i> , 2009, 11, 1255.	2.6	30
29	Copper diphosphonates with zero-, one- and two-dimensional structures: ferrimagnetism in layer compound Cu ₃ (ImhedpH) ₂ ·2H ₂ O [ImhedpH ₄ = (1-C ₃ H ₃ N ₂)CH ₂ C(OH)(PO ₃ H ₂) ₂]. <i>Dalton Transactions</i> , 2008, 3.3, 5008.	3.3	40
30	Zinc 4-Carboxyphenylphosphonates with Pillared Layered Framework Structures Containing Large 12-Membered Rings Built Up from Tetranuclear Zn ₄ Clusters and CPO ₃ Linkages. <i>Crystal Growth and Design</i> , 2008, 8, 2950-2953.	3.0	41
31	Chiral-Layered Metal Phosphonate Formed via Spontaneous Resolution Showing Dehydration-Induced Antiferromagnetic to Ferromagnetic Transformation. <i>Inorganic Chemistry</i> , 2008, 47, 10211-10213.	4.0	34
32	Metal Phosphonates Based on Bis(benzimidazol-2-ylmethyl)imino Methylene phosphonate: From Discrete Dimer to Two-Dimensional Network Containing Metallomacrocycles. <i>Inorganic Chemistry</i> , 2007, 46, 428-436.	4.0	41
33	Layered Cobalt(II) and Nickel(II) Diphosphonates Showing Canted Antiferromagnetism and Slow Relaxation Behavior. <i>Inorganic Chemistry</i> , 2007, 46, 7571-7578.	4.0	87
34	Metal phosphonates containing pyridyl N-oxide groups: Syntheses of Cd{(2-C ₅ H ₄ NO)CH(OH)PO ₃ }(H ₂ O) ₂ and Zn{(4-C ₅ H ₄ NO)CH(OH)PO ₃ } with chain and layer structures. <i>Journal of Solid State Chemistry</i> , 2006, 179, 573-578.	2.9	8
35	Metal Phosphonates Based on {[Benzimidazol-2-ylmethyl]imino}bis(methylene)}bis(phosphonic Acid): Syntheses, Structures and Magnetic Properties of the Chain Compounds [M{(C ₇ H ₅ N ₂)CH ₂ N(CH ₂ PO ₃ H) ₂]} (M = Mn, Fe, Co, Cu, Cd). <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 1830-1837.	2.0	36
36	Synthesis and characterization of two metal phosphonates with 3D structures: Cu ₂ CuII[(3-C ₅ H ₄ N)CH(OH)PO ₃] ₂ and Zn[(3-C ₅ H ₄ N)CH(OH)PO ₃]. <i>New Journal of Chemistry</i> , 2005, 29, 721.	2.8	23

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37	[Zn ₇ {(2-C ₅ H ₄ N)CH(OH)PO ₃ } ₆ (H ₂ O) ₆]SO ₄ ·4H ₂ O: A Zinc Phosphonate Cluster with a Drum-like Cage Structure. <i>Inorganic Chemistry</i> , 2005, 44, 2984-2985.	4.0	44
38	Three-, Two-, and One-Dimensional Metal Phosphonates Based on [Hydroxy(4-pyridyl)methyl]phosphonate: M{(4-C ₅ H ₄ N)CH(OH)PO ₃ }(H ₂ O) (M = Ni, Cd) and Gd{(4-C ₅ H ₄ N)CH(OH)P(OH)O ₂ } ₃ ·6H ₂ O. <i>Inorganic Chemistry</i> , 2005, 44, 3599-3604.	4.0	69