# Deng-Ke Cao

List of Publications by Year
in descending order

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|---|---|---|---|
| 38 papers | 907 citations | 430874 18 h-index | 454955 30 g-index |
| 38 all docs | 38 docs citations | 38 times ranked | 927 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Layered Cobalt(II) and Nickel(II) Diphosphonates Showing Canted Antiferromagnetism and Slow Relaxation Behavior. Inorganic Chemistry, 2007, 46, 7571-7578. | 4.0 | 87 |
| 2 | A mononuclear cobalt(ii)â€“dithienylethene complex showing slow magnetic relaxation and photochromic behavior. Chemical Communications, 2013, 49, 8863. | 4.1 | 79 |
| 3 | Three-, Two-, and One-Dimensional Metal Phosphonates Based on [Hydroxy(4-pyridyl)methyl]phosphonate:â€‰M{(4-C5H4N)CH(OH)PO3}(H2O) (M = Ni, Cd) and Gd{(4-C5H4N)CH(OH)P(OH)O2}3Â·6H2O. Inorganic Chemistry, 2005, 44, 3599-3604. | 4.0 | 69 |
| 4 | Aggregation-Induced Electrochemiluminescence from a Cyclometalated Iridium(III) Complex. Inorganic Chemistry, 2018, 57, 4310-4316. | 4.0 | 68 |
| 5 | Cobalt and Manganese Diphosphonates with One-, Two-, and Three-Dimensional Structures and Field-Induced Magnetic Transitions. Inorganic Chemistry, 2011, 50, 2278-2287. | 4.0 | 48 |
| 6 | [Zn7{(2-C5H4N)CH(OH)PO3}6(H2O)6]SO4Â·4H2O:Â A Zinc Phosphonate Cluster with a Drum-like Cage Structure. Inorganic Chemistry, 2005, 44, 2984-2985. | 4.0 | 44 |
| 7 | Metal Phosphonates Based on Bis(benzimidazol-2-ylmethyl)imino Methylenephosphonate:Â From Discrete Dimer to Two-Dimensional Network Containing Metallomacrocycles. Inorganic Chemistry, 2007, 46, 428-436. | 4.0 | 41 |
| 8 | Zinc 4-Carboxyphenylphosphonates with Pillared Layered Framework Structures Containing Large 12-Membered Rings Built Up from Tetranuclear Zn<sub>4</sub> Clusters and CPO<sub>3</sub> Linkages. Crystal Growth and Design, 2008, 8, 2950-2953. | 3.0 | 41 |
| 9 | Copper diphosphonates with zero-, one- and two-dimensional structures: ferrimagnetism in layer compound Cu3(ImhedpH)2Â·2H2O [ImhedpH4 = (1-C3H3N2)CH2C(OH)(PO3H2)2]. Dalton Transactions, 2008, , 5008. | 3.3 | 40 |
| 10 | Metal Phosphonates Based on {[(Benzimidazol-2-ylmethyl)imino]bis(methylene)}bis(phosphonic Acid): Syntheses, Structures and Magnetic Properties of the Chain Compounds [M{(C7H5N2)CH2N(CH2PO3H)2}](M = Mn, Fe, Co, Cu, Cd). European Journal of Inorganic Chemistry, 2006, 2006, 1830-1837. | 2.0 | 36 |
| 11 | Chiral-Layered Metal Phosphonate Formed via Spontaneous Resolution Showing Dehydration-Induced Antiferromagnetic to Ferromagnetic Transformation. Inorganic Chemistry, 2008, 47, 10211-10213. | 4.0 | 34 |
| 12 | [M(OOCC6H4PO3H)(H2O)] (M(II) = Mn, Co, Ni): layered metal phosphonates showing variable magnetic behavior. CrystEngComm, 2009, 11, 1255. | 2.6 | 30 |
| 13 | 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. Chemical Science, 2016, 7, 451-456. | 7.4 | 27 |
| 14 | Cyclometalated Ir(<scp>iii</scp>) complexes containing quinolineâ€“benzimidazole-based N^N ancillary ligands: structural and luminescence modulation by varying the substituent groups or the protonation/deprotonation state of imidazole units. Dalton Transactions, 2017, 46, 275-286. | 3.3 | 26 |
| 15 | Synthesis and characterization of two metal phosphonates with 3D structures: CuI2CuII[(3-C5H4N)CH(OH)PO3]2 and Zn[(3-C5H4N)CH(OH)PO3]. New Journal of Chemistry, 2005, 29, 721. | 2.8 | 23 |
| 16 | Multifunctional mononuclear bisthienylethene-cobalt(<scp>ii</scp>) complexes: structures, slow magnetic relaxation and photochromic behavior. Dalton Transactions, 2015, 44, 5755-5762. | 3.3 | 23 |
| 17 | Single-Molecule MicroRNA Electrochemiluminescence Detection Using Cyclometalated Dinuclear Ir(III) Complex with Synergistic Effect. Analytical Chemistry, 2020, 92, 1268-1275. | 6.5 | 23 |
| 18 | Mononuclear lanthanide complexes incorporating an anthracene group: structural modification, slow magnetic relaxation and multicomponent fluorescence emissions in Dy compounds. Dalton Transactions, 2013, 42, 11436. | 3.3 | 20 |

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|---|---|---|---|
| 19 | Isostructural lanthanide oxalatophosphonates Ln(5pm8hqH3)(C2O4)1.5(H2O)Â·2H2O [Ln(iii) = Eu, Gd, Tb, Dy] (5pm8hqH3 = 5-phosphonomethyl-8-hydroxyquinoline): structures, magnetic and fluorescent properties. RSC Advances, 2012, 2, 6680. | 3.6 | 15 |
| 20 | Two bisthienyletheneâ€“Ir(<scp>iii</scp>) complexes showing acid/base-induced structural transformation and onâ€“off luminescence switching in solution. Dalton Transactions, 2015, 44, 21008-21015. | 3.3 | 14 |
| 21 | Phosphonates containing 8-hydroxyquinoline moiety and their metal complexes: structures, fluorescent and magnetic properties. Dalton Transactions, 2013, 42, 12228. | 3.3 | 12 |
| 22 | Cyclometalated Ir(<scp>iii</scp>) complexes based on 2-(2,4-difluorophenyl)-pyridine and 2,2â€²-(2-phenyl-1H-imidazole-4,5-diyl)dipyridine: acid/base-induced structural transformation and luminescence switching, and photocatalytic activity for hydrogen evolution. Dalton Transactions, 2017, 46, 8180-8189. | 3.3 | 11 |
| 23 | Bisthienylethene Th2im and its complex (Th2imH)2[ReCl6]: crystalline-phase photochromism, and photochemical regulation of luminescence and magnetic properties. Dalton Transactions, 2016, 45, 3443-3449. | 3.3 | 10 |
| 24 | Coordination mode-induced isomeric cyclometalated [Ir(tpy)(nbi)Cl](PF<sub>6</sub>) complexes: distinct luminescence, self-assembly and cellular imaging behaviors. Dalton Transactions, 2017, 46, 16787-16791. | 3.3 | 9 |
| 25 | Cyclometalated Ir(<scp>iii</scp>) complexes [Ir(tpy)(bbibH<sub>2</sub>)Cl][PF<sub>6</sub>] and [Ir(tpy)(bmbib)Cl][PF<sub>6</sub>]: intramolecular Ì€â‹Ï€ interactions leading to facile synthesis and enhanced luminescence. Dalton Transactions, 2018, 47, 9779-9786. | 3.3 | 9 |
| 26 | Metal phosphonates containing pyridyl N-oxide groups: Syntheses of Cd{(2-C5H4NO)CH(OH)PO3}(H2O)2 and Zn{(4-C5H4NO)CH(OH)PO3} with chain and layer structures. Journal of Solid State Chemistry, 2006, 179, 573-578. | 2.9 | 8 |
| 27 | Pillared Layered Metal Phosphonates Showing Fieldâ€Induced Magnetic Transitions. European Journal of Inorganic Chemistry, 2010, 2010, 895-901. | 2.0 | 8 |
| 28 | Heteroleptic Ir(<scp>iii</scp>) complexes based on 2-(2,4-difluorophenyl)-pyridine and bisthienylethene: structures, luminescence and photochromic properties. Dalton Transactions, 2015, 44, 4289-4296. | 3.3 | 8 |
| 29 | Cobalt and copper phosphinates based on N-(phosphinomethyl)iminodiacetic acid: supramolecular layered structures and magnetic properties. CrystEngComm, 2012, 14, 4699. | 2.6 | 7 |
| 30 | A mononuclear Dy(<scp>iii</scp>) complex incorporating the dithienylethene unit: crystalline-phase photochromism, magnetic and luminescent properties. RSC Advances, 2014, 4, 43064-43069. | 3.6 | 6 |
| 31 | Two heteroleptic Ir(<scp>iii</scp>)â€“bisthienylethene compounds: syntheses, structures and aggregation-induced luminescence. RSC Advances, 2015, 5, 14359-14365. | 3.6 | 6 |
| 32 | Reaction of an anthracene-based cyclic phosphonate ester with trimethylsilyl bromide unexpectedly generating two phosphonates: syntheses, crystal structures and fluorescent properties. RSC Advances, 2013, 3, 4001. | 3.6 | 5 |
| 33 | Heteroleptic Ir(<scp>iii</scp>) and Pt(<scp>ii</scp>) complexes based on 2-(2,4-difluorophenyl)-pyridine and bisthienylethene BrLH: the influence of the metal center on structures, luminescence and photochromism. Dalton Transactions, 2016, 45, 9328-9335. | 3.3 | 4 |
| 34 | Cyclometalated Ir(iii) complexes incorporating a photoactive anthracene-based ligand: syntheses, crystal structures and luminescence switching by light irradiation. Dalton Transactions, 2017, 46, 15443-15450. | 3.3 | 4 |
| 35 | Two cyclometalated Pt(<scp>ii</scp>) complexes showing reversible phosphorescence switching due to grinding-induced destruction and crystallization-induced formation of supramolecular dimer structure. RSC Advances, 2021, 12, 148-153. | 3.6 | 4 |
| 36 | Solvent-driven luminescence modulation/switching in an iridium(iii) complex containing an aldehyde group. Dalton Transactions, 2019, 48, 15114-15120. | 3.3 | 3 |

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| 37 | Two Anthracene-Based Ir(III) Complexes [Ir(pbt)<sub>2</sub>(aip)]Cl and [Ir(pbt)<sub>2</sub>(aipm)]Cl: Relationship between Substituent Group and Photo-oxidation Activity as Well as Photo-oxidation-Induced Luminescence. Inorganic Chemistry, 2020, 59, 17071-17076. | 4.0 | 3 |
| 38 | Bisthienylethenes containing an imidazole bridge unit and their Ir(<scp>iii</scp>) complexes: influence of substituent groups on photochromism and luminescence. RSC Advances, 2016, 6, 69677-69684. | 3.6 | 2 |