Denan Wang

List of Publications by Year
in descending order

44	499	840776 11	752698 20
papers	citations	h-index	g-index

45	45	45	712
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Postsynthetic Treatment of ZIF-67 with 5-Methyltetrazole: Evolution from Pseudo-T_d to Pseudo-O_h Symmetry and Collapse of Magnetic Ordering. Inorganic Chemistry, 2022, 61, 6056-6062.	4.0	9
2	Electron shuttle in the MOF derived TiO₂/CuO heterojunction boosts light driven hydrogen evolution. Journal of Materials Chemistry A, 2021, 9, 6180-6187.	10.3	28
3	Conformational switch in the crystal states of a calix[4]arene. CrystEngComm, 2021, 23, 1906-1911.	2.6	2
4	2D Covalent Organic Frameworks with an Incorporated Manganese Complex for Light Driven Carbon Dioxide Reduction. ChemPhotoChem, 2021, 5, 1119-1123.	3.0	10
5	The Electronic Properties of Ni(PNN) Pincer Complexes Modulate Activity in Catalytic Hydrodehalogenation Reactions. European Journal of Inorganic Chemistry, 2020, 2020, 4425-4434.	2.0	4
6	Silver(I) and Copper(I) Complexes of Semiâ€Bulky Nitrogenâ€Confused Câ€Scorpionates. European Journal of Inorganic Chemistry, 2020, 2020, 1964-1978.	2.0	6
7	Electronâ€Transferâ€Induced Selfâ€Assembly of a Molecular Tweezer Platform. Chemistry - A European Journal, 2020, 26, 14085-14089.	3.3	7
8	Accessing highly electron-rich calix[n]arene (nâ€¯=â€¯4 and 8) derivatives from acid-catalyzed condensation of 1,3,5-tripropoxybenzene. Tetrahedron Letters, 2019, 60, 151215.	1.4	0
9	Iron(ii) tetrafluoroborate complexes of new tetradentate C-scorpionates as catalysts for the oxidative cleavage of trans-stilbene with H2O2. Dalton Transactions, 2019, 48, 14478-14489.	3.3	2
10	Redox-Induced Molecular Actuators: The Case of Oxy-Alternate Bridged Cyclotetraveratrylene. Organic Letters, 2019, 21, 7987-7991.	4.6	2
11	Charge-transfer or excimeric state? Exploring the nature of the excited state in cofacially arrayed polyfluorene derivatives. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 374, 125-130.	3.9	2
12	Selective Isomer Formation and Crystallization-Directed Magnetic Behavior in Nitrogen-Confused C-Scorpionate Complexes of Fe(O₃SCF₃)₂. Inorganic Chemistry, 2019, 58, 8953-8968.	4.0	3
13	Calix[4]areneâ€Based Bis(Nitric Oxide) Complexes: Synthesis, Physical Properties, and Structural Characterization. Chemistry - an Asian Journal, 2019, 14, 542-546.	3.3	2
14	Tricarbonylrhenium(I) Complexes of Dinucleating Redox-Active Pincer Ligands. Organometallics, 2018, 37, 989-1000.	2.3	12
15	From Intramolecular (Circular) in an Isolated Molecule to Intermolecular Hole Delocalization in a Twoâ€Dimensional Solidâ€State Assembly: The Case of Pillarene. Angewandte Chemie, 2018, 130, 2166-2171.	2.0	1
16	Probing Charge Delocalization in Solid State Polychromophoric Cation Radicals Using X-ray Crystallography and DFT Calculations. Journal of Physical Chemistry C, 2018, 122, 9339-9345.	3.1	6
17	From Intramolecular (Circular) in an Isolated Molecule to Intermolecular Hole Delocalization in a Twoâ€Dimensional Solidâ€State Assembly: The Case of Pillarene. Angewandte Chemie - International Edition, 2018, 57, 2144-2149.	13.8	8
18	From Static to Dynamic: Electron Density of HOMO at Biaryl Linkage Controls the Mechanism of Hole Delocalization. Journal of the American Chemical Society, 2018, 140, 4765-4769.	13.7	11

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19	Vertical vs. adiabatic ionization energies in solution and gas-phase: probing ionization-induced reorganization in conformationally-mobile bichromophoric actuators using photoelectron spectroscopy, electrochemistry and theory. Physical Chemistry Chemical Physics, 2018, 20, 25615-25622.	2.8	9
20	An Electronâ€Rich Calix[4]areneâ€Based Receptor with Unprecedented Binding Affinity for Nitric Oxide. Chemistry - A European Journal, 2018, 24, 17439-17443.	3.3	6
21	Pyrene-Like HOMO Governs Polaron Delocalization in Model Graphitic Strips: A Combined Experimental and Computational Analysis. Journal of Physical Chemistry C, 2018, 122, 24527-24534.	3.1	1
22	Highly Selective Synthesis of Pillar[n]arene (n = 5, 6). Organic Letters, 2018, 20, 6583-6586.	4.6	24
23	Multielectron Redox Chemistry of Transition Metal Complexes Supported by a Nonâ€Innocent N 3 P 2 Ligand: Synthesis, Characterization, and Catalytic Properties. European Journal of Inorganic Chemistry, 2018, 2018, 4133-4141.	2.0	1
24	Synthesis of Doubly Annulated mâ€Terphenylâ€Based Molecular Tweezers and Their Chargeâ€Transfer Complexes with DDQ as a Guest. Chemistry - A European Journal, 2018, 24, 13106-13109.	3.3	8
25	An electron-transfer induced conformational transformation: from non-cofacial â€œsofaâ€• to cofacial â€œboatâ€• in cyclotetraveratrylene (CTTV) and formation of charge transfer complexes. Organic and Biomolecular Chemistry, 2018, 16, 5712-5717.	2.8	9
26	Molecular Actuators in Action: Electron-Transfer-Induced Conformation Transformation in Cofacially Arrayed Polyfluorenes. Journal of Physical Chemistry Letters, 2018, 9, 4233-4238.	4.6	7
27	Spreading Electron Density Thin: Increasing the Chromophore Size in Polyaromatic Wires Decreases Interchromophoric Electronic Coupling. Journal of Physical Chemistry C, 2018, 122, 17668-17675.	3.1	7
28	The Role of Torsional Dynamics on Hole and Exciton Stabilization in Ï€â€Stacked Assemblies: Design of Rigid Torsionomers of a Cofacial Bifluorene. Angewandte Chemie - International Edition, 2018, 57, 8189-8193.	13.8	16
29	The Role of Torsional Dynamics on Hole and Exciton Stabilization in Ï€â€Stacked Assemblies: Design of Rigid Torsionomers of a Cofacial Bifluorene. Angewandte Chemie, 2018, 130, 8321-8325.	2.0	4
30	Towards the rational design of novel charge-transfer materials: biaryls with a dihedral angle-independent hole delocalization mechanism. Chemical Communications, 2018, 54, 5851-5854.	4.1	5
31	Bimetallic Cooperativity in Proton Reduction with an Amidoâ€Bridged Cobalt Catalyst. Chemistry - A European Journal, 2017, 23, 9272-9279.	3.3	21
32	Nodal Arrangement of HOMO Controls the Turning On/Off the Electronic Coupling in Isomeric Polypyrene Wires. Journal of Physical Chemistry C, 2017, 121, 9202-9208.	3.1	14
33	Unraveling the Coulombic Forces in Electronically Decoupled Bichromophoric Systems during Two Successive Electron Transfers. Chemistry - A European Journal, 2017, 23, 8834-8838.	3.3	8
34	When Substituents Do Not Matter: Frontier Orbitals Explain the Unusually High and Invariant Oxidation Potential in Alkoxy-, Alkyl-, and H-Substituted Iptycenes. Journal of Physical Chemistry Letters, 2017, 8, 4226-4230.	4.6	7
35	Frontispiece: Bimetallic Cooperativity in Proton Reduction with an Amidoâ€Bridged Cobalt Catalyst. Chemistry - A European Journal, 2017, 23, .	3.3	0
36	Through-Space or Through-Bond? The Important Role of Cofaciality in Orbital Reordering and Its Implications for Hole (De)stabilization in Polychromophoric Assemblies. Journal of Physical Chemistry C, 2017, 121, 15639-15643.	3.1	6

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37	Energy Gap between the Poly-p-phenylene Bridge and Donor Groups Controls the Hole Delocalization in Donorâ€“Bridgeâ€“Donor Wires. Journal of the American Chemical Society, 2016, 138, 16337-16344.	13.7	29
38	Toroidal delocalization of a single electron through circularly-arrayed benzophenone chromophores in hexakis(4-benzoylphenyl)benzene. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 331, 153-159.	3.9	5
39	Di- and Trinuclear Mixed-Valence Copper Amidinate Complexes from Reduction of Iodine. Inorganic Chemistry, 2015, 54, 8509-8517.	4.0	13
40	Bimetallic Complexes Supported by a Redox-Active Ligand with Fused Pincer-Type Coordination Sites. Inorganic Chemistry, 2015, 54, 8744-8754.	4.0	24
41	Synthesis of homo- and heterobimetallic Ni II â€“M II (M = Fe, Co, Ni, Zn) complexes based on an unsymmetric ligand framework: Structures, spectroscopic features, and redox properties. Inorganica Chimica Acta, 2014, 421, 559-567.	2.4	4
42	Intramolecular Hydrogen Bonding in Cu^{II} Complexes with 2,6â€Pyridinedicarboxamide Ligands: Synthesis, Structural Characterization, and Physical Properties. European Journal of Inorganic Chemistry, 2013, 2013, 4473-4484.	2.0	24
43	Structural, spectroscopic, and electrochemical properties of nonheme Fe(ii)â€“hydroquinonate complexes: synthetic models of hydroquinone dioxygenases. Dalton Transactions, 2012, 41, 12244.	3.3	11
44	Binaphthol-Derived Bisphosphoric Acids Serve as Efficient Organocatalysts for Highly Enantioselective 1,3-Dipolar Cycloaddition of Azomethine Ylides to Electron-Deficient Olefins. Journal of the American Chemical Society, 2011, 133, 13504-13518.	13.7	119