

Denan Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Binaphthol-Derived Bisphosphoric Acids Serve as Efficient Organocatalysts for Highly Enantioselective 1,3-Dipolar Cycloaddition of Azomethine Ylides to Electron-Deficient Olefins. <i>Journal of the American Chemical Society</i> , 2011, 133, 13504-13518.	13.7	119
2	Energy Gap between the Poly-p-phenylene Bridge and Donor Groups Controls the Hole Delocalization in Donor- π -Bridge-Donor Wires. <i>Journal of the American Chemical Society</i> , 2016, 138, 16337-16344.	13.7	29
3	Electron shuttle in the MOF derived TiO ₂ /CuO heterojunction boosts light driven hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2021, 9, 6180-6187.	10.3	28
4	Intramolecular Hydrogen Bonding in Cu ^{II} Complexes with 2,6-Pyridinedicarboxamide Ligands: Synthesis, Structural Characterization, and Physical Properties. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4473-4484.	2.0	24
5	Bimetallic Complexes Supported by a Redox-Active Ligand with Fused Pincer-Type Coordination Sites. <i>Inorganic Chemistry</i> , 2015, 54, 8744-8754.	4.0	24
6	Highly Selective Synthesis of Pillar[n]arene (n = 5, 6). <i>Organic Letters</i> , 2018, 20, 6583-6586.	4.6	24
7	Bimetallic Cooperativity in Proton Reduction with an Amido-Bridged Cobalt Catalyst. <i>Chemistry - A European Journal</i> , 2017, 23, 9272-9279.	3.3	21
8	The Role of Torsional Dynamics on Hole and Exciton Stabilization in π -Stacked Assemblies: Design of Rigid Torsionomers of a Cofacial Bifluorene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8189-8193.	13.8	16
9	Nodal Arrangement of HOMO Controls the Turning On/Off the Electronic Coupling in Isomeric Polypyrene Wires. <i>Journal of Physical Chemistry C</i> , 2017, 121, 9202-9208.	3.1	14
10	Di- and Trinuclear Mixed-Valence Copper Amidinate Complexes from Reduction of Iodine. <i>Inorganic Chemistry</i> , 2015, 54, 8509-8517.	4.0	13
11	Tricarbonylrhenium(I) Complexes of Dinucleating Redox-Active Pincer Ligands. <i>Organometallics</i> , 2018, 37, 989-1000.	2.3	12
12	Structural, spectroscopic, and electrochemical properties of nonheme Fe(II)-hydroquinonate complexes: synthetic models of hydroquinone dioxygenases. <i>Dalton Transactions</i> , 2012, 41, 12244.	3.3	11
13	From Static to Dynamic: Electron Density of HOMO at Biaryl Linkage Controls the Mechanism of Hole Delocalization. <i>Journal of the American Chemical Society</i> , 2018, 140, 4765-4769.	13.7	11
14	2D Covalent Organic Frameworks with an Incorporated Manganese Complex for Light Driven Carbon Dioxide Reduction. <i>ChemPhotoChem</i> , 2021, 5, 1119-1123.	3.0	10
15	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. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25615-25622.	2.8	9
16	An electron-transfer induced conformational transformation: from non-cofacial π -sofa to cofacial π -boat in cyclotetrameratrylene (CTTV) and formation of charge transfer complexes. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5712-5717.	2.8	9
17	Postsynthetic Treatment of ZIF-67 with 5-Methyltetrazole: Evolution from Pseudo-T _d to Pseudo-O _h Symmetry and Collapse of Magnetic Ordering. <i>Inorganic Chemistry</i> , 2022, 61, 6056-6062.	4.0	9
18	Unraveling the Coulombic Forces in Electronically Decoupled Bichromophoric Systems during Two Successive Electron Transfers. <i>Chemistry - A European Journal</i> , 2017, 23, 8834-8838.	3.3	8

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19	From Intramolecular (Circular) in an Isolated Molecule to Intermolecular Hole Delocalization in a Two-Dimensional Solid-State Assembly: The Case of Pillarene. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2144-2149.	13.8	8
20	Synthesis of Doubly Annulated <i>m</i> -Terphenyl-Based Molecular Tweezers and Their Charge-Transfer Complexes with DDQ as a Guest. <i>Chemistry - A European Journal</i> , 2018, 24, 13106-13109.	3.3	8
21	When Substituents Do Not Matter: Frontier Orbitals Explain the Unusually High and Invariant Oxidation Potential in Alkoxy-, Alkyl-, and H-Substituted Iptycenes. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4226-4230.	4.6	7
22	Molecular Actuators in Action: Electron-Transfer-Induced Conformation Transformation in Cofacially Arrayed Polyfluorenes. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4233-4238.	4.6	7
23	Spreading Electron Density Thin: Increasing the Chromophore Size in Polyaromatic Wires Decreases Interchromophoric Electronic Coupling. <i>Journal of Physical Chemistry C</i> , 2018, 122, 17668-17675.	3.1	7
24	Electron-Transfer-Induced Self-Assembly of a Molecular Tweezer Platform. <i>Chemistry - A European Journal</i> , 2020, 26, 14085-14089.	3.3	7
25	Through-Space or Through-Bond? The Important Role of Cofaciality in Orbital Reordering and Its Implications for Hole (De)stabilization in Polychromophoric Assemblies. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15639-15643.	3.1	6
26	Probing Charge Delocalization in Solid State Polychromophoric Cation Radicals Using X-ray Crystallography and DFT Calculations. <i>Journal of Physical Chemistry C</i> , 2018, 122, 9339-9345.	3.1	6
27	An Electron-Rich Calix[4]arene-Based Receptor with Unprecedented Binding Affinity for Nitric Oxide. <i>Chemistry - A European Journal</i> , 2018, 24, 17439-17443.	3.3	6
28	Silver(I) and Copper(I) Complexes of Semi-Bulky Nitrogen-Confused <i>C</i> -Scorpionates. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1964-1978.	2.0	6
29	Toroidal delocalization of a single electron through circularly-arrayed benzophenone chromophores in hexakis(4-benzoylphenyl)benzene. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016, 331, 153-159.	3.9	5
30	Towards the rational design of novel charge-transfer materials: biaryls with a dihedral angle-independent hole delocalization mechanism. <i>Chemical Communications</i> , 2018, 54, 5851-5854.	4.1	5
31	Synthesis of homo- and heterobimetallic Ni II M II ($M = Fe, Co, Ni, Zn$) complexes based on an unsymmetric ligand framework: Structures, spectroscopic features, and redox properties. <i>Inorganica Chimica Acta</i> , 2014, 421, 559-567.	2.4	4
32	The Role of Torsional Dynamics on Hole and Exciton Stabilization in π -Stacked Assemblies: Design of Rigid Torsionomers of a Cofacial Bifluorene. <i>Angewandte Chemie</i> , 2018, 130, 8321-8325.	2.0	4
33	The Electronic Properties of Ni(PNN) Pincer Complexes Modulate Activity in Catalytic Hydrodehalogenation Reactions. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 4425-4434.	2.0	4
34	Selective Isomer Formation and Crystallization-Directed Magnetic Behavior in Nitrogen-Confused C-Scorpionate Complexes of $Fe(O_3SCF_3)_2$. <i>Inorganic Chemistry</i> , 2019, 58, 8953-8968.	4.0	3
35	Iron(ii) tetrafluoroborate complexes of new tetradentate C-scorpionates as catalysts for the oxidative cleavage of trans-stilbene with H ₂ O ₂ . <i>Dalton Transactions</i> , 2019, 48, 14478-14489.	3.3	2
36	Redox-Induced Molecular Actuators: The Case of Oxy-Alternate Bridged Cyclotetraveratrylene. <i>Organic Letters</i> , 2019, 21, 7987-7991.	4.6	2

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37	Charge-transfer or excimeric state? Exploring the nature of the excited state in cofacially arrayed polyfluorene derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 374, 125-130.	3.9	2
38	Calix[4]arene-Based Bis(Nitric Oxide) Complexes: Synthesis, Physical Properties, and Structural Characterization. <i>Chemistry - an Asian Journal</i> , 2019, 14, 542-546.	3.3	2
39	Conformational switch in the crystal states of a calix[4]arene. <i>CrystEngComm</i> , 2021, 23, 1906-1911.	2.6	2
40	From Intramolecular (Circular) in an Isolated Molecule to Intermolecular Hole Delocalization in a Two-Dimensional Solid-State Assembly: The Case of Pillarene. <i>Angewandte Chemie</i> , 2018, 130, 2166-2171.	2.0	1
41	Pyrene-Like HOMO Governs Polaron Delocalization in Model Graphitic Strips: A Combined Experimental and Computational Analysis. <i>Journal of Physical Chemistry C</i> , 2018, 122, 24527-24534.	3.1	1
42	Multielectron Redox Chemistry of Transition Metal Complexes Supported by a Non-Innocent N ₃ P ₂ Ligand: Synthesis, Characterization, and Catalytic Properties. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4133-4141.	2.0	1
43	Frontispiece: Bimetallic Cooperativity in Proton Reduction with an Amido-Bridged Cobalt Catalyst. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	0
44	Accessing highly electron-rich calix[n]arene (n = 4 and 8) derivatives from acid-catalyzed condensation of 1,3,5-tripropoxybenzene. <i>Tetrahedron Letters</i> , 2019, 60, 151215.	1.4	0