Jianfeng Li

List of Publications by Year in descending order

71 papers	1,197 citations	331259 21 h-index	395343 33 g-index
76 all docs	76 docs citations	76 times ranked	1485 citing authors

#	Article	IF	Citations
1	Homolytic versus Heterolytic Hydrogen Evolution Reaction Steered by a Steric Effect. Angewandte Chemie - International Edition, 2020, 59, 8941-8946.	7.2	87
2	Efficient Radicalâ€Enhanced Intersystem Crossing in an NDIâ€¶TEMPO Dyad: Photophysics, Electron Spin Polarization, and Application in Photodynamic Therapy. Chemistry - A European Journal, 2018, 24, 18663-18675.	1.7	73
3	The effect of the trans axial ligand of cobalt corroles on water oxidation activity in neutral aqueous solutions. Physical Chemistry Chemical Physics, 2017, 19, 9755-9761.	1.3	69
4	Electrocatalytic hydrogen evolution with gallium hydride and ligand-centered reduction. Chemical Science, 2019, 10, 2308-2314.	3.7	66
5	Significantly improved electrocatalytic oxygen reduction by an asymmetrical Pacman dinuclear cobalt(<scp>ii</scp>) porphyrinâ€“porphyrin dyad. Chemical Science, 2020, 11, 87-96.	3.7	65
6	Electronic Configuration and Ligand Nature of Five-Coordinate Iron Porphyrin Carbene Complexes: An Experimental Study. Journal of the American Chemical Society, 2017, 139, 5023-5026.	6.6	49
7	Correlated Ligand Dynamics in Oxyiron Picket Fence Porphyrins: Structural and MÃ¶ssbauer Investigations. Journal of the American Chemical Society, 2013, 135, 15627-15641.	6.6	46
8	Synthesis and structures of novel chiral lithium amidinates and mono- and di-lithium (1R,2R)-(â€“)-1,2-(NHSiMe3)2C6H10. Dalton Transactions RSC, 2002, , 1401-1405.	2.3	42
9	Oxygenation of Cobalt Porphyrinates: Coordination or Oxidation?. Inorganic Chemistry, 2010, 49, 2398-2406.	1.9	42
10	Relative Axial Ligand Orientation in Bis(imidazole)iron(II) Porphyrinates: Are â€œPicket Fenceâ€•Derivatives Different?. Inorganic Chemistry, 2008, 47, 3841-3850.	1.9	40
11	Cyanide: A Strongâ€Field Ligand for Ferrohemes and Hemoproteins?. Angewandte Chemie - International Edition, 2008, 47, 10144-10146.	7.2	39
12	What Can Be Learned from Nuclear Resonance Vibrational Spectroscopy: Vibrational Dynamics and Hemes. Chemical Reviews, 2017, 117, 12532-12563.	23.0	37
13	Comparison of Cyanide and Carbon Monoxide as Ligands in Iron(II) Porphyrinates. Angewandte Chemie - International Edition, 2009, 48, 5010-5013.	7.2	31
14	One Electron Makes Differences: From Heme {FeNO}⁷ to {FeNO}⁸. Angewandte Chemie - International Edition, 2015, 54, 10579-10582.	7.2	30
15	Synthesis and structural studies of some titanium and zirconium complexes with chiral bis(amide), amidinate or bis(amidinate) ligands. Journal of Organometallic Chemistry, 2006, 691, 3003-3010.	0.8	28
16	Structural Insights into Ligand Dynamics: Correlated Oxygen and Picket Motion in Oxycobalt Picket Fence Porphyrins. Journal of the American Chemical Society, 2012, 134, 10595-10606.	6.6	28
17	A-DAâ€²D-A-Type Non-fullerene Acceptors Containing a Fused Heptacyclic Ring for Poly(3-hexylthiophene)-Based Polymer Solar Cells. Journal of Physical Chemistry C, 2020, 124, 24616-24623.	1.5	28
18	Comprehensive Feâ€“Ligand Vibration Identification in {FeNO}⁶ Hemes. Journal of the American Chemical Society, 2014, 136, 18100-18110.	6.6	26

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19	Selective visible-light-driven oxygen reduction to hydrogen peroxide using BODIPY photosensitizers. Chemical Communications, 2018, 54, 845-848.	2.2	25
20	Proton mediated spin state transition of cobalt heme analogs. Nature Communications, 2019, 10, 2303.	5.8	23
21	New Insights on the Electronic and Molecular Structure of Cyanide-Ligated Iron(III) Porphyrinates. Inorganic Chemistry, 2007, 46, 2286-2298.	1.9	21
22	New Perspectives on Ironâ€“Ligand Vibrations of Oxyheme Complexes. Chemistry - A European Journal, 2011, 17, 11178-11185.	1.7	21
23	Geometric and electronic structures of five-coordinate manganese(<scp>ii</scp>) â€œpicket fenceâ€• porphyrin complexes. Dalton Transactions, 2015, 44, 9382-9390.	1.6	19
24	Homolytic versus Heterolytic Hydrogen Evolution Reaction Steered by a Steric Effect. Angewandte Chemie, 2020, 132, 9026-9031.	1.6	19
25	High-performance and wearable hazardous gases sensor based on n-n heterojunction film of NGO and tetrakis(1-pyrenyl)porphyrin. Journal of Hazardous Materials, 2021, 419, 126460.	6.5	18
26	Axial Mnâ€“C_{CN} Bonds of Cyano Manganese(II) Porphyrin Complexes: Flexible and Weak?. Inorganic Chemistry, 2016, 55, 5871-5879.	1.9	17
27	Synthetic Routes for Heteroatomâ€Containing Alkylated/Arylated Polycyclic Aromatic Hydrocarbons. Angewandte Chemie - International Edition, 2021, 60, 2924-2928.	7.2	14
28	Vibrational Probes and Determinants of the S = 0 â‡Œ S = 2 Spin Crossover in Five-Coordinate [Fe(TPP)(CN)]^{â^’}. Inorganic Chemistry, 2012, 51, 11769-11778.	1.9	13
29	Synthesis of 1-Formyl-3-bromo-thieno[3,4-c]pyrrole-4,6-dione and the Application in A₂â€“Å₁â€“Dâ€“A₁â€“A₂ Type Non-Fullerene Acceptor. Journal of Physical Chemistry C, 2020, 124, 9795-9801.	1.5	13
30	New Insights into the Ligand Nature of Carbene: Synthesis and Characterizations of Six-Coordinate Iron(II) Carbene Porphyrin Complexes. Inorganic Chemistry, 2019, 58, 143-151.	1.9	12
31	The first isolated Manganese(II) porphyrin N-Heterocyclic carbenes: Synthesis and spectroscopic characterizations. Dyes and Pigments, 2019, 162, 75-79.	2.0	12
32	Pentacoordinated Cobalt(II) and Manganese(II) porphyrin N-Heterocyclic carbenes: Isolation, characterization and spectroscopy. Dyes and Pigments, 2020, 173, 107961.	2.0	12
33	Synthesis and characterization of a modified â€œpicket fenceâ€•porphyrin complex â€“ stronger Ï€ bonding interactions between Fe(ii) and axial ligands. Dalton Transactions, 2015, 44, 13651-13661.	1.6	11
34	Efficient Schottky Junction Construction in Metalâ€Organic Frameworks for Boosting H₂ Production Activity. Advanced Science, 2021, 8, 2004456.	5.6	11
35	Ultra-stable two-dimensional metalâ€“organic frameworks for photocatalytic H₂ production. Nanoscale, 2022, 14, 7146-7150.	2.8	11
36	Unique Axial Imidazole Geometries of Fully Halogenated Iron(II) Porphyrin Complexes: Crystal Structures and MÃ¶ssbauer Spectroscopic Studies. Inorganic Chemistry, 2016, 55, 9632-9643.	1.9	9

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37	Iron(II) Bis(imidazole) Derivatives of a Binuclear Porphyrin Model: Crystal Structures and MÃ¶ssbauer Properties. Inorganic Chemistry, 2017, 56, 12615-12624.	1.9	6
38	How Does a Heme Carbene Differ from Diatomic Ligated (NO, CO, and CN^{â€“}) Analogues in the Axial Bond?. Inorganic Chemistry, 2018, 57, 8788-8795.	1.9	6
39	Synthetic Routes for Heteroatomâ€Containing Alkylated/Arylated Polycyclic Aromatic Hydrocarbons. Angewandte Chemie, 2021, 133, 2960-2964.	1.6	6
40	Photooxidation Analysis of Two Isomeric Nonfullerene Acceptors: A Systematic Study of Conformational, Morphological, and Environmental Factors. Solar Rrl, 2021, 5, 2000704.	3.1	6
41	Dichloridobis(1-ethylimidazole-Îº*N*3)zinc(II). Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m1048-m1049.	0.2	5
42	Bis[(1*R*,2*R*)-(â^')-1,2-bis(trimethylsilylamino)cyclohexane(2â^')-Îº2*N*,*N*â€²]zirconium(IV). Acta Crystallographica Section E: Structure Reports Online, 2002, 58, m510-m512.	0.2	4
43	Structural study of a manganese(II) `picket-fence' porphyrin complex. Acta Crystallographica Section C, Structural Chemistry, 2015, 71, 545-548.	0.2	4
44	Bis(cyano) Iron(III) Porphyrinates: What Is the Ground State?. Inorganic Chemistry, 2015, 54, 6472-6485.	1.9	4
45	Picket fence porphyrin challenges. Unexpected atropisomerism. Journal of Porphyrins and Phthalocyanines, 2018, 22, 981-988.	0.4	4
46	dâ€Orbital Reconstructions Forced by Double Bowâ€Shaped Deformations and Second Coordination Sphere Effects of Cu(II) Heme Analogs in HER**. Chemistry - A European Journal, 2022, 28, e202103892.	1.7	4
47	(1*R*,2*R*)-(â^')-1,2-Dibenzamidino-cyclohexane. Acta Crystallographica Section E: Structure Reports Online, 2002, 58, o1078-o1080.	0.2	3
48	Synthesis and characterization of six-coordinate iron(II/III) 5,10,15,20-tetrakis(pentafluorophenyl) porphyrinato complexes with non-hindered imidazole ligands. Journal of Porphyrins and Phthalocyanines, 2018, 22, 953-964.	0.4	3
49	Linkage Isomers of 4-Methylimidazolate Mn(II) Porphyrinates: Hindered or Unhindered?. Inorganic Chemistry, 2021, 60, 7465-7474.	1.9	3
50	Perspectives on Ligand Properties of N-Heterocyclic Carbenes in Iron Porphyrin Complexes. Inorganic Chemistry, 2022, 61, 847-856.	1.9	3
51	2-Chloro-1,1-dimethyl-2-phenyl-2,3-dihydro-1*H*-1,2-benzazoniaborolate. Acta Crystallographica Section E: Structure Reports Online, 2002, 58, o1389-o1391.	0.2	2
52	Intermolecular Interactions and Intramolecular Couplings of Binuclear Porphyrin Models for CytochromecOxidase. Inorganic Chemistry, 2020, 59, 1242-1255.	1.9	2
53	Dimethyl{3-[1-methyl-4-(1-methyl-4-nitropyrrole-2-carboxamido)pyrrole-2-carboxamido]propyl}ammonium chloride methanol solvate. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, o417-o419.	0.2	1
54	(1*R*,2*R*)-(â€“)-Bis[Î¼4-1-{[1,1-dimethyl-2-(trimethylsilyl)amidino]amino}-2-({1,1-dimethyl-2-[1,1-dimethyl-2-(trimethylsilyl)amidino]amidi Acta Crystallographica Section C: Crystal Structure Communications, 2004, 60, m272-m274.	0.4	1

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55	Cover Picture: Cyanide: A Strong-Field Ligand for Ferrohemes and Hemoproteins? (Angew. Chem. Int.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 227 Td (³)(5,10,15,20-tetrakis(2-pivalamidophenyl)porphyrinato)iron(III)	7.2	1
56	A moderate distortion of the `picket-fence' porphyrin (cryptand-222)potassium chlorido[meso-Î±,Î±,Î±,Î±-tetrakis(o-pivalamidophenyl)porphyrinato]ferrate(II)n-hexane monosolvate. Acta Crystallographica Section C, Structural Chemistry, 2015, 71, 856-859.	0.2	1
57	Crystal structure of bis(2-methyl-1H-imidazole-Î²N3)(meso-tetra-p-tolylporphyrinato-Î²4N)iron(III) perchlorate tetrahydrofuran sesquisolvate. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1116-1120.	0.2	1
58	Carbonyl ligands in modified â€œpicket fenceâ€•iron porphyrin complexes: Order and disorder. Journal of Organometallic Chemistry, 2016, 809, 14-20.	0.8	1
59	Phenanthroline-fused unsymmetrical phthalocyanines chelating rhenium(I) tricarbonyl units: Synthesis, spectroscopy and electrochemical properties. Dyes and Pigments, 2021, 195, 109716.	2.0	1
60	Synthesis and characterization of (cryptand-222)potassium (2-methylimidazolato)(meso-tetraphenylporphinato)ferrate(II)â€“2-methylimidazoleâ€“tetrahydrofuran (1/1/2). Acta Crystallographica Section C, Structural Chemistry, 2017, 73, 688-691.	0.2	1
61	Titelbild: Cyanide: A Strong-Field Ligand for Ferrohemes and Hemoproteins? (Angew. Chem. 52/2008). Angewandte Chemie, 2008, 120, 10149-10149.	1.6	0
62	Crystal structure of (5-{3-[(1,4,7,10,13-pentaoxa-16-azacyclooctadecan-16-yl)carbonylamino]phenyl}-10,15,20-triphenylporphyrinato)cobalt(II). Acta Crystallographica Section E: Crystallographic Communications, 2017, 73, 963-966.	0.2	0
63	Synthesis and Xâ€•ray Crystal Structures of Zinc Complexes Supported by Chelating Ligands: Various Reactions of Î±â€•Iminopyridines with ZnEt₂. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 590-597.	0.6	0
64	Bis(1-methylimidazole)[meso-Î±,Î±,Î±,Î±-tetrakis(o-nicotinamidophenyl)porphinato]iron(II)â€“1-methylimidazoleâ€“tetrahydrofuran (1/1/1.5). IUCrData, 2021, 6, .	0.1	0
65	Reaction, structure and spectroscopic properties of bis(cyano) cobalt(III) porphyrin complexes. Journal of Porphyrins and Phthalocyanines, 2021, 25, 825-834.	0.4	0
66	The synthesis and crystal structures of two Î¼-oxo iron(III) porphyrin complexes. Journal of Porphyrins and Phthalocyanines, 0, , .	0.4	0
67	Chiral imide-bonded porphyrin-perylene-porphyrin hybrids: The obvious extension of optical response in the visible region. Dyes and Pigments, 2021, 196, 109767.	2.0	0
68	Crystal structure of bis(1-ethyl-1H-imidazole-Î²N) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (³)(5,10,15,20-tetrakis(2-pivalamidophenyl)porphyrinato)iron(III) monosolvate. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 772-775.	0.2	0
69	Bis(1-phenylimidazole)[5,10,15,20-tetrakis(2-pivalamidophenyl)porphinato]iron(III) trifluoromethanesulfonate chlorobenzene disolvate. IUCrData, 2019, 4, .	0.1	0
70	([2.2.2]Cryptand)potassium (4-methylbenzenethiolato)[5,10,15,20-tetrakis(4-chlorophenyl)porphyrinato]manganate(II) tetrahydrofuran disolvate. IUCrData, 2022, 7, .	0.1	0
71	Nitrato(5,10,15,20-tetraphenylporphinato)manganese(III)â€“benzeneâ€“n-hexane (2/1/1). IUCrData, 2022, 7, .	0.1	0