

Wenliang Huang

List of Publications by Year in descending order

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26
papers

1,556
citations

394421

19
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

2250
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of efficient molecular organic light-emitting diodes by a high-throughput virtual screening and experimental approach. <i>Nature Materials</i> , 2016, 15, 1120-1127.	27.5	708
2	P4 activation by group 3 metal arene complexes. <i>Chemical Communications</i> , 2012, 48, 2216.	4.1	91
3	Scandium Arene Inverted-Sandwich Complexes Supported by a Ferrocene Diamide Ligand. <i>Journal of the American Chemical Society</i> , 2011, 133, 10410-10413.	13.7	83
4	Molecular Design of Deep Blue Thermally Activated Delayed Fluorescence Materials Employing a Homoconjugative Triptycene Scaffold and Dihedral Angle Tuning. <i>Chemistry of Materials</i> , 2018, 30, 1462-1466.	6.7	71
5	A six-carbon 10 π -electron aromatic system supported by group 3 metals. <i>Nature Communications</i> , 2013, 4, 1448.	12.8	57
6	P ₄ Activation by Lanthanum and Lutetium Naphthalene Complexes Supported by a Ferrocene Diamide Ligand. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4090-4096.	2.0	56
7	Tetraanionic Biphenyl Lanthanide Complexes as Single-Molecule Magnets. <i>Inorganic Chemistry</i> , 2015, 54, 2374-2382.	4.0	49
8	Transmetalation Reactions of a Scandium Complex Supported by a Ferrocene Diamide Ligand. <i>Inorganic Chemistry</i> , 2011, 50, 978-984.	4.0	42
9	Reactivity and Properties of Metal Complexes Enabled by Flexible and Redox-Active Ligands with a Ferrocene Backbone. <i>Inorganic Chemistry</i> , 2016, 55, 10013-10023.	4.0	41
10	Group 3 Metal Complexes of Radical-Anionic 2,2'-Bipyridyl Ligands. <i>Inorganic Chemistry</i> , 2010, 49, 11493-11498.	4.0	39
11	Rare-earth metal η^6 -complexes of reduced arenes, alkenes, and alkynes: bonding, electronic structure, and comparison with actinides and other electropositive metals. <i>Dalton Transactions</i> , 2015, 44, 15360-15371.	3.3	39
12	Synthesis and Characterization of Paramagnetic Lanthanide Benzyl Complexes. <i>Organometallics</i> , 2013, 32, 1379-1386.	2.3	37
13	Group 3 metal stilbene complexes: synthesis, reactivity, and electronic structure studies. <i>Chemical Communications</i> , 2014, 50, 5221-5223.	4.1	31
14	Aromatic C-F Bond Activation by Rare-Earth-Metal Complexes. <i>Organometallics</i> , 2017, 36, 89-96.	2.3	29
15	Arene-Bridged Dithorium Complexes: Inverse Sandwiches Supported by a δ Bonding Interaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 21292-21297.	13.7	27
16	Bimetallic Cleavage of Aromatic C-H Bonds by Rare-Earth-Metal Complexes. <i>Journal of the American Chemical Society</i> , 2014, 136, 17410-17413.	13.7	26
17	Palladium-Catalyzed N-Arylation of Iminodibenzyls and Iminostilbenes with Aryl- and Heteroaryl Halides. <i>Chemistry - A European Journal</i> , 2016, 22, 14186-14189.	3.3	26
18	Large Increase in External Quantum Efficiency by Dihedral Angle Tuning in a Sky-Blue Thermally Activated Delayed Fluorescence Emitter. <i>Advanced Optical Materials</i> , 2019, 7, 1900476.	7.3	25

#	ARTICLE	IF	CITATIONS
19	Reduction of Diphenylacetylene Mediated by Rare-Earth Ferrocene Diamide Complexes. <i>Organometallics</i> , 2017, 36, 4643-4648.	2.3	20
20	CH Bond Activation of Hydrocarbons Mediated by Rare-Earth Metals and Actinides. <i>Advances in Organometallic Chemistry</i> , 2015, , 41-75.	1.0	16
21	In situ synthesis of lanthanide complexes supported by a ferrocene diamide ligand: extension to redox-active lanthanide ions. <i>New Journal of Chemistry</i> , 2015, 39, 7696-7702.	2.8	14
22	Distinct electronic structures and bonding interactions in inverse-sandwich samarium and ytterbium biphenyl complexes. <i>Chemical Science</i> , 2021, 12, 227-238.	7.4	12
23	Visible-light-induced reversible C=C bond formation of an imidazole-derived scandium complex. <i>Inorganica Chimica Acta</i> , 2012, 380, 274-277.	2.4	10
24	Rare Earth Metal Complexes Supported by a Tripodal Tris(amido) Ligand System Featuring an Arene Anchor. <i>Inorganic Chemistry</i> , 2021, 60, 15321-15329.	4.0	5
25	Homoleptic tris(6,6-dimethyl-2,2'-bipyridine) rare earth metal complexes. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2591-2602.	6.0	1
26	<i>Organometallic Chemistry of Lanthanides</i> . , 2022, , 209-309.		0