Jun-Bo Lu

List of Publications by Year
in descending order

19	483	623734	839539
papers	citations	14 h-index	18 g-index

21	21	21	595
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultra-Efficient Americium/Lanthanide Separation through Oxidation State Control. Journal of the American Chemical Society, 2022, 144, 6383-6389.	13.7	33
2	On the highest oxidation states of the actinoids in <scp> AnO ₄ </scp> molecules (AnÂ=ÂAc) Tj ETQq0 0 0 rgBT /Overlock	3.3	0
3	Coordination Sphere of Lanthanide Aqua Ions Resolved with Ab Initio Molecular Dynamics and X-ray Absorption Spectroscopy. Inorganic Chemistry, 2021, 60, 3117-3130.	4.0	33
4	Norm-Conserving Pseudopotentials and Basis Sets to Explore Actinide Chemistry in Complex Environments. Journal of Chemical Theory and Computation, 2021, 17, 3360-3371.	5.3	19
5	Electronic Structure and Spectroscopic Properties of Group-7 Tri-Oxo-Halides MO₃X (M =) Tj ETQq1 1 0.784314 rgBT /O	4.0	3
6	Norm-Conserving Pseudopotentials and Basis Sets To Explore Lanthanide Chemistry in Complex Environments. Journal of Chemical Theory and Computation, 2019, 15, 5987-5997.	5.3	46
7	The dfâ€“d Dative Bonding in a Uraniumâ€“Cobalt Heterobimetallic Complex for Efficient Nitrogen Fixation. Inorganic Chemistry, 2019, 58, 7433-7439.	4.0	19
8	N 2 Reduction on Feâ€Based Complexes with Different Supporting Mainâ€Group Elements: Critical Roles of Anchor and Peripheral Ligands. Small Methods, 2019, 3, 1800340.	8.6	17
9	Lanthanides with Unusually Low Oxidation States in the PrB₃^{â€“} and PrB₄^{â€“} Boride Clusters. Inorganic Chemistry, 2019, 58, 411-418.	4.0	39
10	Electronic Structure and Bonding Situation in M₂O₂ (M = Be, Mg, Ca) Rhombic Clusters. Journal of Physical Chemistry A, 2018, 122, 2816-2822.	2.5	34
11	Relativityâ€“Induced Bonding Pattern Change in Coinage Metal Dimers M2(M = Cu, Ag, Au, Rg). Inorganic Chemistry, 2018, 57, 5499-5506.	4.0	12
12	Efficient Nitrogen Fixation via a Redox-Flexible Single-Iron Site with Reverse-Dative Iron â† ' Boron Ïƒ Bonding. Journal of Physical Chemistry A, 2018, 122, 4530-4537.	2.5	23
13	On the Upper Limits of Oxidation States in Chemistry. Angewandte Chemie - International Edition, 2018, 57, 3242-3245.	13.8	46
14	Polarizable force field parameterization and theoretical simulations of ThCl₄â€“LiCl molten salts. Journal of Computational Chemistry, 2018, 39, 2432-2438.	3.3	11
15	A supramolecular radical cation: folding-enhanced electrostatic effect for promoting radical-mediated oxidation. Chemical Science, 2018, 9, 5015-5020.	7.4	21
16	Pentavalent Lanthanide Compounds: Formation and Characterization of Praseodymium(V) Oxides. Angewandte Chemie, 2016, 128, 7010-7014.	2.0	10
17	Pentavalent Lanthanide Compounds: Formation and Characterization of Praseodymium(V) Oxides. Angewandte Chemie - International Edition, 2016, 55, 6896-6900.	13.8	66
18	How Much Can Density Functional Approximations (DFA) Fail? The Extreme Case of the FeO₄ Species. Journal of Chemical Theory and Computation, 2016, 12, 1525-1533.	5.3	33

#	Article	IF	Citations
19	Experimental and theoretical identification of the Fe(<scp>vii</scp>) oxidation state in FeO₄^{â¯}. Physical Chemistry Chemical Physics, 2016, 18, 31125-31131.	2.8	18