Xin Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8602294/publications.pdf

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18	509	840776 11	794594 19
papers	citations	h-index	g-index

19	19	19	573
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highly Efficient â€œOn Waterâ€•Catalystâ€Free Nucleophilic Addition Reactions Using Difluoroenoxysilanes: Dramatic Fluorine Effects. Angewandte Chemie - International Edition, 2014, 53, 9512-9516.	13.8	156
2	Direct electrochemical defluorinative carboxylation of Î±-CF‹sub›3‹/sub› alkenes with carbon dioxide. Chemical Science, 2020, 11, 10414-10420.	7.4	83
3	Dipole polarizabilities of noble gas endohedral fullerenes. Chemical Physics Letters, 2008, 456, 223-226.	2.6	50
4	A BINOL-based ratiometric fluorescent sensor for Zn2+ and in situ generated ensemble for selective recognition of histidine in aqueous solution. Analyst, The, 2013, 138, 5762.	3.5	32
5	Regiodivergent Intramolecular Nucleophilic Addition of Ketimines for the Diverse Synthesis of Azacycles. Angewandte Chemie - International Edition, 2020, 59, 1634-1643.	13.8	31
6	A G3B3 study of N4H4 isomers. Computational and Theoretical Chemistry, 2007, 807, 207-210.	1.5	16
7	A Catalystâ€Free, Oneâ€Pot Threeâ€Component Aminomethylation of Î±â€Substituted Nitroacetates: Theoretical and Experimental Studies into the Rateâ€Accelerating Effects of the Solvent Methanol. Chemistry - an Asian Journal, 2013, 8, 877-882.	3.3	14
8	A theoretical investigation of the competition between hydrogen bonding and lone pairâ‹¯Ï€ interaction in complexes of TNT with NH3. Computational and Theoretical Chemistry, 2015, 1064, 25-34.	2.5	13
9	Molecular Dynamics Exploration of Ordered-to-Disordered Surface Structures of Biomimetic Hydroxyapatite Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 6691-6703.	3.1	12
10	Trace mild acid-catalysed Z â†' E isomerization of norbornene-fused stilbene derivatives: intelligent chiral molecular photoswitches with controllable self-recovery. Chemical Science, 2021, 12, 2614-2622.	7.4	12
11	A theoretical study of molecular structure, optical properties and bond activation of energetic compound FOX-7 under intense electric fields. Chemical Physics, 2017, 483-484, 122-131.	1.9	10
12	Theoretical investigations on electronic and charge transport properties of novel organic semiconductors â€“ Triisopropylsilylethynyl(TIPS)-functionalized anthradifuran and anthradithiophene derivatives. Computational and Theoretical Chemistry, 2014, 1046, 107-117.	2.5	9
13	Strong lone pairâ‹¯Ï€ interactions between amine and tri-s-triazine derivatives: A theoretical investigation. Computational and Theoretical Chemistry, 2013, 1017, 144-152.	2.5	7
14	Molecular dynamics exploration of the amorphous surface structures and properties of the biomimetic Î²-tricalcium phosphate. Applied Surface Science, 2019, 484, 72-82.	6.1	6
15	Molecular docking and molecular dynamics simulation studies on the adsorption/desorption behavior of bone morphogenetic protein-7 on the Î²-tricalcium phosphate surface. Physical Chemistry Chemical Physics, 2020, 22, 16747-16759.	2.8	5
16	Molecular dynamic simulation of prenucleation of apatite at a type I collagen template: ion association and mineralization control. Physical Chemistry Chemical Physics, 2022, 24, 11370-11381.	2.8	4
17	Regiodivergent Intramolecular Nucleophilic Addition of Ketimines for the Diverse Synthesis of Azacycles. Angewandte Chemie, 2020, 132, 1651-1660.	2.0	1
18	QM/MM investigation of the catalytic mechanism of processive endoglucanase Cel9G from ‹i›Clostridium cellulovorans‹/i›. Physical Chemistry Chemical Physics, 2022, 24, 11919-11930.	2.8	1