

# Chun Zhu

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

409  
citations

1040056

9  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

459  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical studies of MXene-supported single-atom catalysts: Os1/Ti2CS2 for low-temperature CO oxidation. <i>Science China Materials</i> , 2022, 65, 1303-1312.	6.3	10
2	Well-paired Seq: A Size-Exclusion and Locally Quasi-Static Hydrodynamic Microwell Chip for Single-Cell RNA-Seq. <i>Small Methods</i> , 2022, 6, e2200341.	8.6	8
3	Mn-corrolazine-based 2D-nanocatalytic material with single Mn atoms for catalytic oxidation of alkane to alcohol. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1030-1039.	14.0	14
4	Oriented external electric fields regulating the oxidation reaction of CH <sub>4</sub> catalyzed by Mn-corrolazine. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26443.	2.0	3
5	Supramolecular Frameworks Constructed by Exclusion Complexes of Symmetric Dicyclohexanocucurbit[6]uril with Benzene Ring-Containing Guests. <i>Crystal Growth and Design</i> , 2021, 21, 2977-2985.	3.0	7
6	Anion binding properties for pyrophosphate derived from a 2,6-diamidopyridinedipyrromethane macrocycle. <i>Chemical Papers</i> , 2021, 75, 4405-4411.	2.2	2
7	Triazine COF-supported single-atom catalyst (Pd1/trzn-COF) for CO oxidation. <i>Science China Materials</i> , 2021, 64, 1939-1951.	6.3	28
8	Theoretical investigation on the photoelectrochemical anticorrosion mechanism of SnO <sub>2</sub> -TiO <sub>2</sub> nanotube. <i>Journal of Theoretical and Computational Chemistry</i> , 2019, 18, 1950016.	1.8	1
9	Theoretical investigation on the electronic structure of one dimensional infinite monatomic gold wire: insights into conducting properties. <i>RSC Advances</i> , 2019, 9, 1373-1377.	3.6	3
10	Using AMBER18 for Relative Free Energy Calculations. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 3128-3135.	5.4	138
11	Mn-O-O Electron Spin Flip Mechanism Triggered by the Visible-Light Irradiation for the Generation of an Active Mn(V)-Oxo Complex from O <sub>2</sub> : Insight from Density Functional Calculations. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20781-20786.	3.1	8
12	Facile Synthesis of Novel Vanillin Derivatives Incorporating a Bis(2-hydroxyethyl)dithioacetal Moiety as Antiviral Agents. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 4582-4588.	5.2	73
13	Theoretical investigation of an ultrastable one dimensional infinite monatomic mixed valent gold wire with excellent electronic properties. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12338-12343.	2.8	11
14	A solid-phase microextraction coating of sol-gel-derived perhydroxy cucurbit[6]uril and its application on to the determination of polycyclic aromatic hydrocarbon. <i>Journal of Chromatography A</i> , 2016, 1470, 9-18.	3.7	12
15	Theoretical insight into a novel zinc di-corrole dye with excellent photoelectronic properties for solar cells. <i>New Journal of Chemistry</i> , 2015, 39, 3624-3628.	2.8	7
16	Unique Metal Dicolorole Dyes with Excellent Photoelectronic Properties for Solar Cells: Insight from Density Functional Calculations. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13388-13395.	3.1	20
17	Electronic and optical properties of the triphenylamine-based organic dye sensitized TiO <sub>2</sub> semiconductor: insight from first principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13844.	2.8	32
18	Unique Metal Di-Porphyrin Dyes with Excellent Photoelectronic Properties for Solar Cells: Insight from Density Functional Calculations. <i>Acta Chimica Sinica</i> , 2013, 71, 1527.	1.4	6

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19	Significant effect of spin flip on the oxygen atom transfer reaction from (oxo)manganese(v) corroles to thioanisole: insights from density functional calculations. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 12800.	2.8	26