

Hongguang Liu

List of Publications by Year in descending order

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27
papers

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759233

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27
times ranked

1156
citing authors

#	ARTICLE	IF	CITATIONS
1	Dipyrenylcalix[4]areneâ€”A Fluorescenceâ€Based Chemosensor for Trinitroaromatic Explosives. Chemistry - A European Journal, 2010, 16, 5895-5901.	3.3	166
2	Fluorescence turn-on sensors for HSO ₄ ^{âˆ’} . Chemical Communications, 2009, , 7128.	4.1	114
3	Oxygen adsorption on single layer graphyne: a DFT study. Physical Chemistry Chemical Physics, 2014, 16, 974-980.	2.8	71
4	Electric Field Effects on the Adsorption of CO on a Graphene Nanodot and the Healing Mechanism of a Vacancy in a Graphene Nanodot. Journal of Physical Chemistry C, 2012, 116, 3034-3041.	3.1	68
5	Electronic Structures and Charge Transport of Stacked Annulated \hat{I}^2 -Trithiophenes. Journal of Physical Chemistry B, 2011, 115, 5113-5120.	2.6	36
6	A bis(pyridine-2-ylmethyl)amine-based selective and sensitive colorimetric and fluorescent chemosensor for Cu ²⁺ . Sensors and Actuators B: Chemical, 2016, 222, 28-34.	7.8	25
7	Designing Organic Semiconductors with Ultrasmall Reorganization Energies: Insights from Molecular Symmetry, Aromaticity and Energy Gap. Journal of Physical Chemistry Letters, 2020, 11, 4548-4553.	4.6	25
8	Adjusting the Local Arrangement of \hat{I}^2 -Stacked Oligothiophenes through Hydrogen Bonds: A Viable Route to Promote Charge Transfer. Journal of Physical Chemistry Letters, 2014, 5, 2320-2324.	4.6	22
9	CoxNi _{1-x} nanoalloys on N-doped carbon nanofibers: Electronic regulation toward efficient electrochemical CO ₂ reduction. Journal of Catalysis, 2019, 372, 277-286.	6.2	21
10	Biphenylquinolizidine Alkaloids from <i>Lagerstroemia indica</i> . Journal of Natural Products, 2009, 72, 749-752.	3.0	16
11	Highly efficient solution-processed pure red phosphorescent organic light-emitting diodes using iridium complexes based on 2,3-diphenylquinoxaline ligand. Journal of Organometallic Chemistry, 2015, 794, 197-205.	1.8	16
12	Enhancing the activity, selectivity, and recyclability of Rh/PPh ₃ system-catalyzed hydroformylation reactions through the development of a PPh ₃ -derived quasi-porous organic cage as a ligand. Chinese Journal of Catalysis, 2021, 42, 1216-1226.	14.0	13
13	Charge Transport Properties of Stacking Bisindenoanthrazolines: DFT Studies. Journal of Physical Chemistry B, 2011, 115, 8409-8416.	2.6	12
14	New fluorescent receptor composed of two imidazoliums, two pyrenes and a boronic acid for the recognition of DOPAC. Sensors and Actuators B: Chemical, 2013, 176, 611-617.	7.8	11
15	Exploiting Dispersion-Driven Aggregators as a Route to New One-Dimensional Organic Nanowires. Journal of Physical Chemistry Letters, 2015, 6, 4422-4428.	4.6	10
16	The influence of external electric fields on charge reorganization energy in organic semiconductors. Chemical Communications, 2019, 55, 2384-2387.	4.1	9
17	Electric field assisted oxygen removal from the basal plane of the graphitic material. Journal of Computational Chemistry, 2013, 34, 305-310.	3.3	8
18	Applying strong external electric field to thiopheneâ€Based oligomers: A promising approach to upgrade semiconducting performance. Journal of Computational Chemistry, 2017, 38, 304-311.	3.3	8

#	ARTICLE	IF	CITATIONS
19	Real-time monitoring of aristolochic acid I reduction process using surface-enhanced Raman Spectroscopy with DFT simulation. <i>Biosensors and Bioelectronics</i> , 2021, 179, 113061.	10.1	8
20	Mechanistic Study on Graphene Oxidation by KMnO_4 in Solution Phase and Resultant Carbonâ€“Carbon Unzipping. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11165-11173.	3.1	5
21	Inside Cover: Dipyrrenylcalix[4]areneâ€“A Fluorescenceâ€“Based Chemosensor for Trinitroaromatic Explosives (<i>Chem. Eur. J.</i> 20/2010). <i>Chemistry - A European Journal</i> , 2010, 16, 5818-5818.	3.3	4
22	Hidden Role of a Hydroxyl Group in Mediating the Oxygen Line Defect on a Graphene Surface. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17832-17838.	3.1	4
23	Ozone Decomposition on Defective Graphene: Insights from Modeling. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10948-10954.	3.1	4
24	Electric field effect on the ground state proton transfer in the H-bonded HBDI complex: an implication of the green fluorescent protein. <i>RSC Advances</i> , 2014, 4, 26543-26551.	3.6	3
25	Ambient Degradation of Perylene Diimide-Based Organic Transistors: Hidden Role of Ozone and External Electric Field. <i>Journal of Physical Chemistry C</i> , 2018, 122, 7067-7074.	3.1	2
26	Design of one-dimensional organic semiconductors with high intrinsic electron mobilities: lessons from computation. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3620-3625.	5.5	2
27	Is a Single Molecule Sufficient to Determine the Internal Charge Trapping Energy in Crystalline Organic Semiconductors?. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12269-12275.	4.6	1