

# Hongguang Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7533465/publications.pdf>

Version: 2024-02-01

27  
papers

684  
citations

759233

12  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1156  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ozone Decomposition on Defective Graphene: Insights from Modeling. <i>Journal of Physical Chemistry C</i> , 2021, 125, 10948-10954.	3.1	4
2	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
3	Enhancing the activity, selectivity, and recyclability of Rh/PPh <sub>3</sub> system-catalyzed hydroformylation reactions through the development of a PPh <sub>3</sub> -derived quasi-porous organic cage as a ligand. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1216-1226.	14.0	13
4	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
5	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
6	Mechanistic Study on Graphene Oxidation by KMnO <sub>4</sub> in Solution Phase and Resultant Carbon-Carbon Unzipping. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11165-11173.	3.1	5
7	Designing Organic Semiconductors with Ultrasmall Reorganization Energies: Insights from Molecular Symmetry, Aromaticity and Energy Gap. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4548-4553.	4.6	25
8	The influence of external electric fields on charge reorganization energy in organic semiconductors. <i>Chemical Communications</i> , 2019, 55, 2384-2387.	4.1	9
9	CoxNi <sub>1-x</sub> nanoalloys on N-doped carbon nanofibers: Electronic regulation toward efficient electrochemical CO <sub>2</sub> reduction. <i>Journal of Catalysis</i> , 2019, 372, 277-286.	6.2	21
10	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
11	Applying strong external electric field to thiophene-based oligomers: A promising approach to upgrade semiconducting performance. <i>Journal of Computational Chemistry</i> , 2017, 38, 304-311.	3.3	8
12	A bis(pyridine-2-ylmethyl)amine-based selective and sensitive colorimetric and fluorescent chemosensor for Cu <sup>2+</sup> . <i>Sensors and Actuators B: Chemical</i> , 2016, 222, 28-34.	7.8	25
13	Exploiting Dispersion-Driven Aggregators as a Route to New One-Dimensional Organic Nanowires. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4422-4428.	4.6	10
14	Highly efficient solution-processed pure red phosphorescent organic light-emitting diodes using iridium complexes based on 2,3-diphenylquinoxaline ligand. <i>Journal of Organometallic Chemistry</i> , 2015, 794, 197-205.	1.8	16
15	Oxygen adsorption on single layer graphyne: a DFT study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 974-980.	2.8	71
16	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
17	Adjusting the Local Arrangement of $\pi$ -Stacked Oligothiophenes through Hydrogen Bonds: A Viable Route to Promote Charge Transfer. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2320-2324.	4.6	22
18	New fluorescent receptor composed of two imidazoliums, two pyrenes and a boronic acid for the recognition of DOPAC. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 611-617.	7.8	11

#	ARTICLE	IF	CITATIONS
19	Hidden Role of a Hydroxyl Group in Mediating the Oxygen Line Defect on a Graphene Surface. Journal of Physical Chemistry C, 2013, 117, 17832-17838.	3.1	4
20	Electric field assisted oxygen removal from the basal plane of the graphitic material. Journal of Computational Chemistry, 2013, 34, 305-310.	3.3	8
21	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
22	Electronic Structures and Charge Transport of Stacked Annulated 1,2-Trithiophenes. Journal of Physical Chemistry B, 2011, 115, 5113-5120.	2.6	36
23	Charge Transport Properties of Stacking Bisindenoanthrazolines: DFT Studies. Journal of Physical Chemistry B, 2011, 115, 8409-8416.	2.6	12
24	Dipyrenylcalix[4]arene-Based Fluorescence-Based Chemosensor for Trinitroaromatic Explosives. Chemistry - A European Journal, 2010, 16, 5895-5901.	3.3	166
25	Inside Cover: Dipyrenylcalix[4]arene-Based Fluorescence-Based Chemosensor for Trinitroaromatic Explosives (Chem. Eur. J. 20/2010). Chemistry - A European Journal, 2010, 16, 5818-5818.	3.3	4
26	Biphenylquinolizidine Alkaloids from <i>Lagerstroemia indica</i> . Journal of Natural Products, 2009, 72, 749-752.	3.0	16
27	Fluorescence turn-on sensors for HSO <sub>4</sub> <sup>-</sup> . Chemical Communications, 2009, , 7128.	4.1	114