

# Shaowei Li

## List of Publications by Year in descending order

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24  
papers

881  
citations

567144

15  
h-index

610775

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1116  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging two-dimensional generalized Wigner crystals. <i>Nature</i> , 2021, 597, 650-654.	13.7	147
2	Synthesis of borophane polymorphs through hydrogenation of borophene. <i>Science</i> , 2021, 371, 1143-1148.	6.0	129
3	Imaging moiré flat bands in three-dimensional reconstructed WSe <sub>2</sub> /WS <sub>2</sub> superlattices. <i>Nature Materials</i> , 2021, 20, 945-950.	13.3	118
4	Geometric imaging of borophene polymorphs with functionalized probes. <i>Nature Communications</i> , 2019, 10, 1642.	5.8	65
5	Rotational and Vibrational Excitations of a Hydrogen Molecule Trapped within a Nanocavity of Tunable Dimension. <i>Physical Review Letters</i> , 2013, 111, 146102.	2.9	59
6	Joint Space-Time Coherent Vibration Driven Conformational Transitions in a Single Molecule. <i>Physical Review Letters</i> , 2017, 119, 176002.	2.9	54
7	Imaging local discharge cascades for correlated electrons in WS <sub>2</sub> /WSe <sub>2</sub> moiré superlattices. <i>Nature Physics</i> , 2021, 17, 1114-1119.	6.5	36
8	Reconfigurable MoS <sub>2</sub> Memtransistors for Continuous Learning in Spiking Neural Networks. <i>Nano Letters</i> , 2021, 21, 6432-6440.	4.5	33
9	Visualizing delocalized correlated electronic states in twisted double bilayer graphene. <i>Nature Communications</i> , 2021, 12, 2516.	5.8	30
10	Rotational Spectromicroscopy: Imaging the Orbital Interaction between Molecular Hydrogen and an Adsorbed Molecule. <i>Physical Review Letters</i> , 2015, 114, 206101.	2.9	27
11	Tunneling-Electron-Induced Light Emission from Single Gold Nanoclusters. <i>Nano Letters</i> , 2016, 16, 5433-5436.	4.5	23
12	Trapping and Characterization of a Single Hydrogen Molecule in a Continuously Tunable Nanocavity. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3453-3457.	2.1	21
13	Gate-tunable plasmons in mixed-dimensional van der Waals heterostructures. <i>Nature Communications</i> , 2021, 12, 5039.	5.8	20
14	Molecular-Scale Characterization of Photoinduced Charge Separation in Mixed-Dimensional InSe/Organic van der Waals Heterostructures. <i>ACS Nano</i> , 2020, 14, 3509-3518.	7.3	17
15	Optical scanning tunneling microscopy based chemical imaging and spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 463001.	0.7	17
16	Visualization of Nanoplasmonic Coupling to Molecular Orbital in Light Emission Induced by Tunneling Electrons. <i>Nano Letters</i> , 2018, 18, 3076-3080.	4.5	15
17	Bond-Selected Photodissociation of Single Molecules Adsorbed on Metal Surfaces. <i>Physical Review Letters</i> , 2019, 122, 077401.	2.9	15
18	Tunneling Electron Induced Charging and Light Emission of Single Panhematin Molecules. <i>Journal of Physical Chemistry C</i> , 2016, 120, 21099-21103.	1.5	13

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19	Single-Molecule Rotational and Vibrational Spectroscopy and Microscopy with the Scanning Tunneling Microscope. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14737-14741.	1.5	12
20	Self-Assembled Borophene/Graphene Nanoribbon Mixed-Dimensional Heterostructures. <i>Nano Letters</i> , 2021, 21, 4029-4035.	4.5	11
21	Confinement-Induced Catalytic Dissociation of Hydrogen Molecules in a Scanning Tunneling Microscope. <i>Journal of the American Chemical Society</i> , 2022, 144, 9618-9623.	6.6	7
22	Absorption and Decomposition of CO <sub>2</sub> by Active Ferrites Prepared by Atmospheric Plasma Spraying. <i>Journal of Thermal Spray Technology</i> , 2015, 24, 1574-1578.	1.6	5
23	Fluffy Polyfluoroalkoxy Layer Produced by Air Plasma Spraying Based on "Grapeshot" Effect. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 462-470.	1.6	4
24	AFM investigation of effect of absorbed water layer structure on growth mechanism of octadecyltrichlorosilane self-assembled monolayer on oxidized silicon. <i>Journal of Chemical Physics</i> , 2016, 144, 244709.	1.2	3