

# Linfei Li

## List of Publications by Year in descending order

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35  
papers

3,550  
citations

430442

18  
h-index

433756

31  
g-index

39  
all docs

39  
docs citations

39  
times ranked

4703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Buckled Silicene Formation on Ir(111). <i>Nano Letters</i> , 2013, 13, 685-690.	4.5	1,074
2	Buckled Germanene Formation on Pt(111). <i>Advanced Materials</i> , 2014, 26, 4820-4824.	11.1	770
3	Monolayer PtSe <sub>2</sub> , a New Semiconducting Transition-Metal-Dichalcogenide, Epitaxially Grown by Direct Selenization of Pt. <i>Nano Letters</i> , 2015, 15, 4013-4018.	4.5	560
4	Direct observation of spin-layer locking by local Rashba effect in monolayer semiconducting PtSe <sub>2</sub> film. <i>Nature Communications</i> , 2017, 8, 14216.	5.8	151
5	Intrinsically patterned two-dimensional materials for selective adsorption of molecules and nanoclusters. <i>Nature Materials</i> , 2017, 16, 717-721.	13.3	150
6	Reversible Single Spin Control of Individual Magnetic Molecule by Hydrogen Atom Adsorption. <i>Scientific Reports</i> , 2013, 3, 1210.	1.6	115
7	Two-Dimensional Transition Metal Honeycomb Realized: Hf on Ir(111). <i>Nano Letters</i> , 2013, 13, 4671-4674.	4.5	102
8	Construction of 2D Atomic Crystals on Transition Metal Surfaces: Graphene, Silicene, and Hafnene. <i>Small</i> , 2014, 10, 2215-2225.	5.2	91
9	Silicon intercalation at the interface of graphene and Ir(111). <i>Applied Physics Letters</i> , 2012, 100, .	1.5	67
10	Multi-oriented moiré superstructures of graphene on Ir(111): experimental observations and theoretical models. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 314214.	0.7	60
11	Tip-enhanced Raman spectroscopy: Chemical analysis with nanoscale to angstrom scale resolution. <i>Journal of Chemical Physics</i> , 2020, 153, 010902.	1.2	48
12	Angstrom Scale Chemical Analysis of Metal Supported <i>Trans</i> - and <i>Cis</i> -Regioisomers by Ultrahigh Vacuum Tip-Enhanced Raman Mapping. <i>Nano Letters</i> , 2019, 19, 3267-3272.	4.5	46
13	Carbon Monoxide Oxidation on Metal-Supported Monolayer Oxide Films: Establishing Which Interface is Active. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1261-1265.	7.2	39
14	The Coalescence Behavior of Two-Dimensional Materials Revealed by Multiscale <i>In Situ</i> Imaging during Chemical Vapor Deposition Growth. <i>ACS Nano</i> , 2020, 14, 1902-1918.	7.3	35
15	Angstrom-Scale Spectroscopic Visualization of Interfacial Interactions in an Organic/Borophene Vertical Heterostructure. <i>Journal of the American Chemical Society</i> , 2021, 143, 15624-15634.	6.6	29
16	Defining Multiple Configurations of Rubrene on a Ag(100) Surface with 5 Å... Spatial Resolution via Ultrahigh Vacuum Tip-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2420-2426.	1.5	26
17	The Expanding Frontiers of Tip-Enhanced Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2020, 74, 1313-1340.	1.2	26
18	Hafnium intercalation between epitaxial graphene and Ir(111) substrate. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	23

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19	Chemically identifying single adatoms with single-bond sensitivity during oxidation reactions of borophene. <i>Nature Communications</i> , 2022, 13, 1796.	5.8	18
20	Preparation and structure of Fe-containing aluminosilicate thin films. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25027-25035.	1.3	17
21	On-Surface Synthesis and Molecular Engineering of Carbon-Based Nanoarchitectures. <i>ACS Nano</i> , 2021, 15, 3578-3585.	7.3	15
22	Planar model system of the Phillips (Cr/SiO <sub>2</sub> ) catalyst based on a well-defined thin silicate film. <i>Journal of Catalysis</i> , 2018, 357, 12-19.	3.1	14
23	Controlling Localized Plasmons via an Atomistic Approach: Attainment of Site-Selective Activation inside a Single Molecule. <i>Journal of the American Chemical Society</i> , 2022, 144, 2051-2055.	6.6	14
24	Methods to fabricate and recycle plasmonic probes for ultrahigh vacuum scanning tunneling microscopy-based tip-enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 573-580.	1.2	12
25	Transition Metal Induced Crystallization of Ultrathin Silica Films. <i>Chemistry of Materials</i> , 2017, 29, 931-934.	3.2	10
26	Shallowing interfacial carrier trap in transition metal dichalcogenide heterostructures with interlayer hybridization. <i>Nano Research</i> , 2021, 14, 1390-1396.	5.8	9
27	Model systems in heterogeneous catalysis: towards the design and understanding of structure and electronic properties. <i>Faraday Discussions</i> , 2018, 208, 307-323.	1.6	8
28	Size effect in two-dimensional oxide-on-metal catalysts of CO oxidation and its connection to oxygen bonding: An experimental and theoretical approach. <i>Journal of Catalysis</i> , 2021, 393, 100-106.	3.1	7
29	Chemically imaging nanostructures formed by the covalent assembly of molecular building blocks on a surface with ultrahigh vacuum tip-enhanced Raman spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 204008.	0.7	4
30	Chemical Characterization of a Three-Dimensional Double-Decker Molecule on a Surface via Scanning-Tunneling-Microscopy-Based Tip-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 0, , .	1.5	4
31	Fabrication of graphene-silicon layered heterostructures by carbon penetration of silicon film. <i>Nanotechnology</i> , 2017, 28, 084003.	1.3	3
32	Proximity and single-molecule energetics. <i>Science</i> , 2021, 373, 392-393.	6.0	3
33	Hafnene on Ir(111). <i>Springer Theses</i> , 2020, , 37-46.	0.0	0
34	Monolayer PtSe <sub>2</sub> . <i>Springer Theses</i> , 2020, , 47-56.	0.0	0
35	Direct evidence of two-dimensional electron gas-like band structures in hafnene. <i>Nano Research</i> , 2022, 15, 3770-3774.	5.8	0