

Yu Li Huang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,313
citations

257101

24
h-index

329751

37
g-index

40
all docs

40
docs citations

40
times ranked

4031
citing authors

#	ARTICLE	IF	CITATIONS
1	Materials engineering – defect healing & passivation. , 2022, , 195-219.		0
2	Supramolecular Tiling of a Conformationally Flexible Precursor. Journal of Physical Chemistry Letters, 2022, 13, 2180-2186.	2.1	9
3	Epitaxial Growth of Ultraflat Bismuthene with Large Topological Band Inversion Enabled by Substrate-Orbital-Filtering Effect. ACS Nano, 2022, 16, 1436-1443.	7.3	16
4	Coexisting Charge-Ordered States with Distinct Driving Mechanisms in Monolayer VSe ₂ . ACS Nano, 2022, 16, 783-791.	7.3	11
5	THE ELECTRONIC STRUCTURE AT ORGANIC–2D MATERIAL HETEROINTERFACES. Surface Review and Letters, 2021, 28, 2140003.	0.5	1
6	Two-dimensional magnetic transition metal chalcogenides. SmartMat, 2021, 2, 139-153.	6.4	56
7	Recent progress in epitaxial growth of two-dimensional phosphorus. SmartMat, 2021, 2, 286-298.	6.4	18
8	Diverse Structures and Magnetic Properties in Nonlayered Monolayer Chromium Selenide. Journal of Physical Chemistry Letters, 2021, 12, 7752-7760.	2.1	28
9	Room Temperature Ferromagnetism of Monolayer Chromium Telluride with Perpendicular Magnetic Anisotropy. Advanced Materials, 2021, 33, e2103360.	11.1	84
10	The Electronic Structure at Organic–2D Material Heterointerfaces. , 2021, , 173-201.		0
11	Realization of a Buckled Antimonene Monolayer on Ag(111) via Surface Engineering. Journal of Physical Chemistry Letters, 2020, 11, 8976-8982.	2.1	23
12	Can Reconstructed Se-Deficient Line Defects in Monolayer VSe ₂ Induce Magnetism?. Advanced Materials, 2020, 32, e2000693.	11.1	87
13	The effect of moiré superstructures on topological edge states in twisted bismuthene homojunctions. Science Advances, 2020, 6, eaba2773.	4.7	39
14	Selective self-assembly of 2,3-diaminophenazine molecules on MoSe ₂ mirror twin boundaries. Nature Communications, 2019, 10, 2847.	5.8	26
15	High-Energy Gain Upconversion in Monolayer Tungsten Disulfide Photodetectors. Nano Letters, 2019, 19, 5595-5603.	4.5	41
16	Point Defects and Localized Excitons in 2D WSe ₂ . ACS Nano, 2019, 13, 6050-6059.	7.3	127
17	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. Advanced Materials, 2019, 31, e1901185.	11.1	129
18	Electronic properties of atomically thin MoS ₂ layers grown by physical vapour deposition: band structure and energy level alignment at layer/substrate interfaces. RSC Advances, 2018, 8, 7744-7752.	1.7	22

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19	Liquid-solid surface phase transformation of fluorinated fullerene on monolayer tungsten diselenide. <i>Physical Review B</i> , 2018, 97, .	1.1	7
20	The organicâ€“2D transition metal dichalcogenide heterointerface. <i>Chemical Society Reviews</i> , 2018, 47, 3241-3264.	18.7	158
21	Raman enhancement on ultra-clean graphene quantum dots produced by quasi-equilibrium plasma-enhanced chemical vapor deposition. <i>Nature Communications</i> , 2018, 9, 193.	5.8	117
22	Surface Nanostructure Formation and Atomic-Scale Templates for Nanodevices. <i>ACS Omega</i> , 2018, 3, 3285-3293.	1.6	13
23	Electronic Properties of a 1D Intrinsic/p-Doped Heterojunction in a 2D Transition Metal Dichalcogenide Semiconductor. <i>ACS Nano</i> , 2017, 11, 9128-9135.	7.3	58
24	Gap States at Low-Angle Grain Boundaries in Monolayer Tungsten Diselenide. <i>Nano Letters</i> , 2016, 16, 3682-3688.	4.5	55
25	Heterointerface Screening Effects between Organic Monolayers and Monolayer Transition Metal Dichalcogenides. <i>ACS Nano</i> , 2016, 10, 2476-2484.	7.3	87
26	Bandgap tunability at single-layer molybdenum disulphide grain boundaries. <i>Nature Communications</i> , 2015, 6, 6298.	5.8	358
27	Understanding the Adsorption of CuPc and ZnPc on Noble Metal Surfaces by Combining Quantum-Mechanical Modelling and Photoelectron Spectroscopy. <i>Molecules</i> , 2014, 19, 2969-2992.	1.7	69
28	Reversible Singleâ€“Molecule Switching in an Ordered Monolayer Molecular Dipole Array. <i>Small</i> , 2012, 8, 1423-1428.	5.2	68
29	Molecular Trapping on Two-Dimensional Binary Supramolecular Networks. <i>Journal of the American Chemical Society</i> , 2011, 133, 820-825.	6.6	46
30	Tunable two-dimensional molecular dipole dot arrays on graphite. <i>Applied Physics Letters</i> , 2011, 99, 143114.	1.5	18
31	Tunable Twoâ€“Dimensional Binary Molecular Networks. <i>Small</i> , 2010, 6, 70-75.	5.2	80
32	Effect of Fluorination on the Molecular Packing of Perfluoropentacene and Pentacene Ultrathin Films on Ag (111). <i>Journal of Physical Chemistry C</i> , 2010, 114, 9356-9361.	1.5	35
33	Scanning Tunneling Microscopy Investigation of Self-Assembled CuPc/F ₁₆ CuPc Binary Superstructures on Graphite. <i>Langmuir</i> , 2010, 26, 3329-3334.	1.6	45
34	One dimensional molecular dipole chain arrays on graphite via nanoscale phase separation. <i>Chemical Communications</i> , 2010, 46, 9040.	2.2	36
35	Nanoscale phase separation of a binary molecular system of copper phthalocyanine and di-indenoperylene on Ag(111). <i>Applied Physics Letters</i> , 2009, 95, .	1.5	14
36	Low-temperature scanning tunneling microscopy and near-edge X-ray absorption fine structure investigation of epitaxial growth of AF16CuPc thin films on graphite. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 107-111.	1.1	24

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37	Orientation-controlled charge transfer at CuPc/F16CuPc interfaces. Journal of Applied Physics, 2009, 106, 064910.	1.1	50
38	Ultrathin Films of Diindenoperylene on Graphite and SiO ₂ . Journal of Physical Chemistry C, 2009, 113, 9251-9255.	1.5	26
39	Molecular Orientation Dependent Energy Level Alignment at Organic/Organic Heterojunction Interfaces. Journal of Physical Chemistry C, 2009, 113, 12832-12839.	1.5	80
40	Molecular Orientation-Dependent Ionization Potential of Organic Thin Films. Chemistry of Materials, 2008, 20, 7017-7021.	3.2	152