

# 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	Bandgap tunability at single-layer molybdenum disulphide grain boundaries. <i>Nature Communications</i> , 2015, 6, 6298.	5.8	358
2	The organic-2D transition metal dichalcogenide heterointerface. <i>Chemical Society Reviews</i> , 2018, 47, 3241-3264.	18.7	158
3	Molecular Orientation-Dependent Ionization Potential of Organic Thin Films. <i>Chemistry of Materials</i> , 2008, 20, 7017-7021.	3.2	152
4	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. <i>Advanced Materials</i> , 2019, 31, e1901185.	11.1	129
5	Point Defects and Localized Excitons in 2D WSe <sub>2</sub> . <i>ACS Nano</i> , 2019, 13, 6050-6059.	7.3	127
6	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
7	Heterointerface Screening Effects between Organic Monolayers and Monolayer Transition Metal Dichalcogenides. <i>ACS Nano</i> , 2016, 10, 2476-2484.	7.3	87
8	Can Reconstructed Se-Deficient Line Defects in Monolayer VSe <sub>2</sub> Induce Magnetism?. <i>Advanced Materials</i> , 2020, 32, e2000693.	11.1	87
9	Room Temperature Ferromagnetism of Monolayer Chromium Telluride with Perpendicular Magnetic Anisotropy. <i>Advanced Materials</i> , 2021, 33, e2103360.	11.1	84
10	Molecular Orientation Dependent Energy Level Alignment at Organic-Organic Heterojunction Interfaces. <i>Journal of Physical Chemistry C</i> , 2009, 113, 12832-12839.	1.5	80
11	Tunable Two-Dimensional Binary Molecular Networks. <i>Small</i> , 2010, 6, 70-75.	5.2	80
12	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
13	Reversible Single-Molecule Switching in an Ordered Monolayer Molecular Dipole Array. <i>Small</i> , 2012, 8, 1423-1428.	5.2	68
14	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
15	Two-dimensional magnetic transition metal chalcogenides. <i>SmartMat</i> , 2021, 2, 139-153.	6.4	56
16	Gap States at Low-Angle Grain Boundaries in Monolayer Tungsten Diselenide. <i>Nano Letters</i> , 2016, 16, 3682-3688.	4.5	55
17	Orientation-controlled charge transfer at CuPc/F16CuPc interfaces. <i>Journal of Applied Physics</i> , 2009, 106, 064910.	1.1	50
18	Molecular Trapping on Two-Dimensional Binary Supramolecular Networks. <i>Journal of the American Chemical Society</i> , 2011, 133, 820-825.	6.6	46

#	ARTICLE	IF	CITATIONS
19	Scanning Tunneling Microscopy Investigation of Self-Assembled CuPc/F <sub>16</sub> CuPc Binary Superstructures on Graphite. <i>Langmuir</i> , 2010, 26, 3329-3334.	1.6	45
20	High-Energy Gain Upconversion in Monolayer Tungsten Disulfide Photodetectors. <i>Nano Letters</i> , 2019, 19, 5595-5603.	4.5	41
21	The effect of moiré superstructures on topological edge states in twisted bismuthene homojunctions. <i>Science Advances</i> , 2020, 6, eaba2773.	4.7	39
22	One dimensional molecular dipole chain arrays on graphite via nanoscale phase separation. <i>Chemical Communications</i> , 2010, 46, 9040.	2.2	36
23	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
24	Diverse Structures and Magnetic Properties in Nonlayered Monolayer Chromium Selenide. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 7752-7760.	2.1	28
25	Ultrathin Films of Diindenoperylene on Graphite and SiO <sub>2</sub> . <i>Journal of Physical Chemistry C</i> , 2009, 113, 9251-9255.	1.5	26
26	Selective self-assembly of 2,3-diaminophenazine molecules on MoSe <sub>2</sub> mirror twin boundaries. <i>Nature Communications</i> , 2019, 10, 2847.	5.8	26
27	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
28	Realization of a Buckled Antimonene Monolayer on Ag(111) via Surface Engineering. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 8976-8982.	2.1	23
29	Electronic properties of atomically thin MoS <sub>2</sub> layers grown by physical vapour deposition: band structure and energy level alignment at layer/substrate interfaces. <i>RSC Advances</i> , 2018, 8, 7744-7752.	1.7	22
30	Tunable two-dimensional molecular dipole dot arrays on graphite. <i>Applied Physics Letters</i> , 2011, 99, 143114.	1.5	18
31	Recent progress in epitaxial growth of two-dimensional phosphorus. <i>SmartMat</i> , 2021, 2, 286-298.	6.4	18
32	Epitaxial Growth of Ultraflat Bismuthene with Large Topological Band Inversion Enabled by Substrate-Orbital-Filtering Effect. <i>ACS Nano</i> , 2022, 16, 1436-1443.	7.3	16
33	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
34	Surface Nanostructure Formation and Atomic-Scale Templates for Nanodevices. <i>ACS Omega</i> , 2018, 3, 3285-3293.	1.6	13
35	Coexisting Charge-Ordered States with Distinct Driving Mechanisms in Monolayer VSe <sub>2</sub> . <i>ACS Nano</i> , 2022, 16, 783-791.	7.3	11
36	Supramolecular Tiling of a Conformationally Flexible Precursor. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2180-2186.	2.1	9

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37	Liquid-solid surface phase transformation of fluorinated fullerene on monolayer tungsten diselenide. Physical Review B, 2018, 97, .	1.1	7
38	THE ELECTRONIC STRUCTURE AT ORGANIC“2D MATERIAL HETEROINTERFACES. Surface Review and Letters, 2021, 28, 2140003.	0.5	1
39	The Electronic Structure at Organic“2D Material Heterointerfaces. , 2021, , 173-201.		0
40	Materials engineering “ defect healing & passivation. , 2022, , 195-219.		0