List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/961522/publications.pdf Version: 2024-02-01



MENCYLLU

#	Article	IF	CITATIONS
1	Controlled Growth of High-Quality Monolayer WS ₂ Layers on Sapphire and Imaging Its Grain Boundary. ACS Nano, 2013, 7, 8963-8971.	7.3	696
2	Epitaxial Monolayer MoS ₂ on Mica with Novel Photoluminescence. Nano Letters, 2013, 13, 3870-3877.	4.5	512
3	Toward Single-Layer Uniform Hexagonal Boron Nitride–Graphene Patchworks with Zigzag Linking Edges. Nano Letters, 2013, 13, 3439-3443.	4.5	242
4	Angle-Dependent van Hove Singularities in a Slightly Twisted Graphene Bilayer. Physical Review Letters, 2012, 109, 126801.	2.9	222
5	Strain and curvature induced evolution of electronic band structures in twisted graphene bilayer. Nature Communications, 2013, 4, 2159.	5.8	165
6	Graphene-like nanoribbons periodically embedded with four- and eight-membered rings. Nature Communications, 2017, 8, 14924.	5.8	139
7	Hexagonal Boron Nitride–Graphene Heterostructures: Synthesis and Interfacial Properties. Small, 2016, 12, 32-50.	5.2	136
8	All Chemical Vapor Deposition Synthesis and Intrinsic Bandgap Observation of MoS ₂ /Graphene Heterostructures. Advanced Materials, 2015, 27, 7086-7092.	11.1	132
9	Grain Boundary Structures and Electronic Properties of Hexagonal Boron Nitride on Cu(111). Nano Letters, 2015, 15, 5804-5810.	4.5	117
10	Quasi-Freestanding Monolayer Heterostructure of Graphene and Hexagonal Boron Nitride on Ir(111) with a Zigzag Boundary. Nano Letters, 2014, 14, 6342-6347.	4.5	116
11	A universal etching-free transfer of MoS2 films for applications in photodetectors. Nano Research, 2015, 8, 3662-3672.	5.8	94
12	Growth and Atomic-Scale Characterizations of Graphene on Multifaceted Textured Pt Foils Prepared by Chemical Vapor Deposition. ACS Nano, 2011, 5, 9194-9201.	7.3	84
13	Strain-induced one-dimensional Landau level quantization in corrugated graphene. Physical Review B, 2013, 87, .	1.1	80
14	Temperatureâ€ T riggered Sulfur Vacancy Evolution in Monolayer MoS ₂ /Graphene Heterostructures. Small, 2017, 13, 1602967.	5.2	77
15	A lactam building block for efficient polymer solar cells. Chemical Communications, 2015, 51, 11830-11833.	2.2	69
16	Thinning Segregated Graphene Layers on High Carbon Solubility Substrates of Rhodium Foils by Tuning the Quenching Process. ACS Nano, 2012, 6, 10581-10589.	7.3	61
17	Superlattice Dirac points and space-dependent Fermi velocity in a corrugated graphene monolayer. Physical Review B, 2013, 87,	1.1	60
18	Different growth behaviors of ambient pressure chemical vapor deposition graphene on Ni(111) and Ni films: A scanning tunneling microscopy study. Nano Research, 2012, 5, 402-411.	5.8	59

#	Article	IF	CITATIONS
19	Direct Formation of Câ^'C Tripleâ€Bonded Structural Motifs by Onâ€6urface Dehalogenative Homocouplings of Tribromomethylâ€6ubstituted Arenes. Angewandte Chemie - International Edition, 2018, 57, 4035-4038.	7.2	50
20	Angle-dependent van Hove singularities and their breakdown in twisted graphene bilayers. Physical Review B, 2014, 90, .	1.1	47
21	Unique Transformation from Graphene to Carbide on Re(0001) Induced by Strong Carbon–Metal Interaction. Journal of the American Chemical Society, 2017, 139, 17574-17581.	6.6	38
22	Periodic Modulation of the Doping Level in Striped MoS ₂ Superstructures. ACS Nano, 2016, 10, 3461-3468.	7.3	37
23	Clean transfer of graphene on Pt foils mediated by a carbon monoxide intercalation process. Nano Research, 2013, 6, 671-678.	5.8	35
24	High-Yield Formation of Graphdiyne Macrocycles through On-Surface Assembling and Coupling Reaction. ACS Nano, 2018, 12, 12612-12618.	7.3	35
25	Electronic structures of graphene layers on a metal foil: The effect of atomic-scale defects. Applied Physics Letters, 2013, 103, .	1.5	34
26	Hexacyclic lactam building blocks for highly efficient polymer solar cells. Chemical Communications, 2015, 51, 12122-12125.	2.2	34
27	Ladder Phenylenes Synthesized on Au(111) Surface via Selective [2+2] Cycloaddition. Journal of the American Chemical Society, 2021, 143, 12955-12960.	6.6	32
28	Narrowâ€Gap Quantum Wires Arising from the Edges of Monolayer MoS ₂ Synthesized on Graphene. Advanced Materials Interfaces, 2016, 3, 1600332.	1.9	30
29	Strong Adlayer–Substrate Interactions "Break―the Patching Growth of <i>h</i> -BN onto Graphene on Re(0001). ACS Nano, 2017, 11, 1807-1815.	7.3	27
30	Direct Formation of C–C Double-Bonded Structural Motifs by On-Surface Dehalogenative Homocoupling of <i>gem</i> -Dibromomethyl Molecules. ACS Nano, 2018, 12, 7959-7966.	7.3	24
31	Mn atomic layers under inert covers of graphene and hexagonal boron nitride prepared on Rh(111). Nano Research, 2013, 6, 887-896.	5.8	22
32	Single and Polycrystalline Graphene on Rh(111) Following Different Growth Mechanisms. Small, 2013, 9, 1360-1366.	5.2	21
33	Charge Transfer and Current Fluctuations in Single Layer Graphene Transistors Modified by Selfâ€Assembled C ₆₀ Adlayers. Small, 2013, 9, 2420-2426.	5.2	20
34	Water-Induced Chiral Separation on a Au(111) Surface. ACS Nano, 2021, 15, 16896-16903.	7.3	20
35	Illuminating interlayer interactions. Nature Materials, 2018, 17, 211-213.	13.3	17
36	Highâ€Quality Monolayer Graphene Synthesis on Pd Foils via the Suppression of Multilayer Growth at Grain Boundaries. Small, 2014, 10, 4003-4011.	5.2	16

#	Article	IF	CITATIONS
37	Scanning Probe Microscopy of Topological Structure Induced Electronic States of Graphene. Small Methods, 2020, 4, 1900683.	4.6	16
38	Single-molecule insights into surface-mediated homochirality in hierarchical peptide assembly. Nature Communications, 2018, 9, 2711.	5.8	14
39	Bond-Scission-Induced Structural Transformation from Cumulene to Diyne Moiety and Formation of Semiconducting Organometallic Polyyne. Journal of the American Chemical Society, 2020, 142, 8085-8089.	6.6	14
40	On-Surface Debromination of C ₆ Br ₆ : C ₆ Ring versus C ₆ Chain. ACS Nano, 2022, 16, 6578-6584.	7.3	14
41	Local Chiral Inversion of Thymine Dimers by Manipulating Single Water Molecules. Journal of the American Chemical Society, 2022, 144, 5023-5028.	6.6	13
42	Lattice-Directed Selective Synthesis of Acetylenic and Diacetylenic Organometallic Polyynes. Chemistry of Materials, 2022, 34, 1770-1777.	3.2	11
43	Orientation of molecular interface dipole on metal surface investigated by noncontact atomic force microscopy. Science Bulletin, 2013, 58, 3630-3635.	1.7	10
44	Direct Formation of Câ^'C Tripleâ€Bonded Structural Motifs by Onâ€Surface Dehalogenative Homocouplings of Tribromomethylâ€Substituted Arenes. Angewandte Chemie, 2018, 130, 4099-4102.	1.6	10
45	Selectively Scissoring Hydrogen-Bonded Cytosine Dimer Structures Catalyzed by Water Molecules. ACS Nano, 2020, 14, 10680-10687.	7.3	10
46	Multiphonon Raman Scattering and Strong Electron–Phonon Coupling in 2D Ternary Cu ₂ MoS ₄ Nanoflakes. Journal of Physical Chemistry Letters, 2020, 11, 8483-8489.	2.1	10
47	Onâ€Surface Synthesis of [3]Radialenes via [1+1+1] Cycloaddition. Angewandte Chemie - International Edition, 2022, 61, e202117714.	7.2	10
48	Structural Phase Transitions of Molecular Self-Assembly Driven by Nonbonded Metal Adatoms. ACS Nano, 2020, 14, 6331-6338.	7.3	9
49	Controllable synthesis of graphene using novel aromatic 1,3,5-triethynylbenzene molecules on Rh(111). RSC Advances, 2015, 5, 76620-76625.	1.7	6
50	Stepâ€Mediated Anisotropic Adsorption and Condensation of <i>tert</i> â€Butylamine on Cu(111). ChemPhysChem, 2010, 11, 379-383.	1.0	4
51	Graphene: Single and Polycrystalline Graphene on Rh(111) Following Different Growth Mechanisms (Small 8/2013). Small, 2013, 9, 1359-1359.	5.2	3
52	Layer-dependent charge density wave phase transition stiffness in 1T-TaS2 nanoflakes evidenced by ultrafast carrier dynamics. Nano Research, 2021, 14, 1162-1166.	5.8	3
53	Semiconductors: Temperatureâ€Triggered Sulfur Vacancy Evolution in Monolayer MoS ₂ /Graphene Heterostructures (Small 40/2017). Small, 2017, 13, .	5.2	2
54	Electrical Characteristics of a Carbon Nanotube-Functionalized Probe for Kelvin Probe Force Microscopy. Journal of Physical Chemistry C, 2020, 124, 28261-28266.	1,5	2

#	Article	IF	CITATIONS
55	Formation of Unconventional Stoichiometric Na–Cl Magicâ€Number Nanoclusters and 2D Assembly on Ir(111). Small Methods, 2022, 6, e2101252.	4.6	1
56	Friction of MoO3 Nanoflakes on Graphite Surface with an Ace-like Intercalation Layer. Chemical Research in Chinese Universities, 0, , 1.	1.3	1
57	Controlled Synthesis of in-Plane h-BN-G Heterostructures. Springer Theses, 2018, , 55-76.	0.0	0
58	Particle-Catalyst-Free Vapor–Liquid–Solid Growth of Millimeter-Scale Crystalline Compound Semiconductors on Nonepitaxial Substrates. ACS Omega, 2020, 5, 9550-9557.	1.6	0
59	STM Study of Twisted Bilayer Graphene. Springer Theses, 2018, , 37-54.	0.0	0
60	Facet-Selective Dissociation and Radical-Mediated Reaction of Dibenzotetrathiafulvalene Molecules on Low-Index Copper Surfaces. Journal of Physical Chemistry C, 2022, 126, 1281-1288.	1.5	0
61	Onâ€Surface Synthesis of [3]Radialenes via [1+1+1] Cycloaddition. Angewandte Chemie, 2022, 134, .	1.6	0