

# Wei Chen

## List of Publications by Year in descending order

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450  
papers

37,758  
citations

2669

95  
h-index

3997

176  
g-index

456  
all docs

456  
docs citations

456  
times ranked

41053  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Index Faceted Ni <sub>3</sub> S <sub>2</sub> Nanosheet Arrays as Highly Active and Ultrastable Electrocatalysts for Water Splitting. <i>Journal of the American Chemical Society</i> , 2015, 137, 14023-14026.	6.6	1,622
2	Atomically dispersed Ni(i) as the active site for electrochemical CO <sub>2</sub> reduction. <i>Nature Energy</i> , 2018, 3, 140-147.	19.8	1,594
3	Graphene-Supported Nanoelectrocatalysts for Fuel Cells: Synthesis, Properties, and Applications. <i>Chemical Reviews</i> , 2014, 114, 5117-5160.	23.0	899
4	<i>Operando</i> Identification of the Dynamic Behavior of Oxygen Vacancy-Rich Co <sub>3</sub> O <sub>4</sub> for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2020, 142, 12087-12095.	6.6	736
5	Effect of Confinement in Carbon Nanotubes on the Activity of Fischer-Tropsch Iron Catalyst. <i>Journal of the American Chemical Society</i> , 2008, 130, 9414-9419.	6.6	709
6	A Review of Phosphide-Based Materials for Electrocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2015, 5, 1500985.	10.2	707
7	Solution-Gated Epitaxial Graphene as pH Sensor. <i>Journal of the American Chemical Society</i> , 2008, 130, 14392-14393.	6.6	675
8	Raman Studies of Monolayer Graphene: The Substrate Effect. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10637-10640.	1.5	663
9	Graphene: Promises, Facts, Opportunities, and Challenges in Nanomedicine. <i>Chemical Reviews</i> , 2013, 113, 3407-3424.	23.0	643
10	Epitaxial Growth of Single Layer Blue Phosphorus: A New Phase of Two-Dimensional Phosphorus. <i>Nano Letters</i> , 2016, 16, 4903-4908.	4.5	609
11	Two-dimensional transition metal dichalcogenides: interface and defect engineering. <i>Chemical Society Reviews</i> , 2018, 47, 3100-3128.	18.7	604
12	Black Phosphorus Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3653-3657.	7.2	594
13	Surface Transfer p-Type Doping of Epitaxial Graphene. <i>Journal of the American Chemical Society</i> , 2007, 129, 10418-10422.	6.6	554
14	Raman spectroscopy of epitaxial graphene on a SiC substrate. <i>Physical Review B</i> , 2008, 77, .	1.1	477
15	Wafer-Scale Growth and Transfer of Highly-Oriented Monolayer MoS <sub>2</sub> Continuous Films. <i>ACS Nano</i> , 2017, 11, 12001-12007.	7.3	397
16	Electronic metal-support interaction modulates single-atom platinum catalysis for hydrogen evolution reaction. <i>Nature Communications</i> , 2021, 12, 3021.	5.8	397
17	MoS <sub>2</sub> Field-Effect Transistor with Sub-10 nm Channel Length. <i>Nano Letters</i> , 2016, 16, 7798-7806.	4.5	389
18	Role of Metal Contacts in High-Performance Phototransistors Based on WSe <sub>2</sub> Monolayers. <i>ACS Nano</i> , 2014, 8, 8653-8661.	7.3	380

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19	Electrochemically Reduced Single-Layer MoS <sub>2</sub> Nanosheets: Characterization, Properties, and Sensing Applications. <i>Small</i> , 2012, 8, 2264-2270.	5.2	373
20	Bandgap tunability at single-layer molybdenum disulphide grain boundaries. <i>Nature Communications</i> , 2015, 6, 6298.	5.8	358
21	Surface transfer doping induced effective modulation on ambipolar characteristics of few-layer black phosphorus. <i>Nature Communications</i> , 2015, 6, 6485.	5.8	335
22	Tuning of Redox Properties of Iron and Iron Oxides via Encapsulation within Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2007, 129, 7421-7426.	6.6	316
23	Recent advances in understanding of the mechanism and control of Li <sub>2</sub> O <sub>2</sub> formation in aprotic Li <sup>+</sup> O <sub>2</sub> batteries. <i>Chemical Society Reviews</i> , 2017, 46, 6046-6072.	18.7	314
24	Recent advances in graphene-based nanomaterials for fabricating electrochemical hydrogen peroxide sensors. <i>Biosensors and Bioelectronics</i> , 2017, 89, 249-268.	5.3	311
25	Preparation of Supercapacitor Electrodes through Selection of Graphene Surface Functionalities. <i>ACS Nano</i> , 2012, 6, 5941-5951.	7.3	310
26	Towards single molecule switches. <i>Chemical Society Reviews</i> , 2015, 44, 2998-3022.	18.7	306
27	Oxygen-Assisted Chemical Vapor Deposition Growth of Large Single-Crystal and High-Quality Monolayer MoS <sub>2</sub> . <i>Journal of the American Chemical Society</i> , 2015, 137, 15632-15635.	6.6	301
28	Vapour-liquid-solid growth of monolayer MoS <sub>2</sub> nanoribbons. <i>Nature Materials</i> , 2018, 17, 535-542.	13.3	286
29	Surface transfer doping of semiconductors. <i>Progress in Surface Science</i> , 2009, 84, 279-321.	3.8	282
30	Adsorption-Catalysis Design in the Lithium-Sulfur Battery. <i>Advanced Energy Materials</i> , 2020, 10, 1903008.	10.2	275
31	Recent Progress on Two-Dimensional Materials. <i>Wuli Huaxue Xuebao/ Acta Physico-Chimica Sinica</i> , 2021, .	2.2	269
32	Bottom-up Growth of Epitaxial Graphene on 6H-SiC(0001). <i>ACS Nano</i> , 2008, 2, 2513-2518.	7.3	232
33	Tuning the Electronic Structure of Graphene by an Organic Molecule. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2-5.	1.2	219
34	High carbon-resistance Ni/CeAlO <sub>3</sub> -Al <sub>2</sub> O <sub>3</sub> catalyst for CH <sub>4</sub> /CO <sub>2</sub> reforming. <i>Applied Catalysis B: Environmental</i> , 2013, 136-137, 260-268.	10.8	219
35	Electronic structure of graphite oxide and thermally reduced graphite oxide. <i>Carbon</i> , 2011, 49, 1362-1366.	5.4	218
36	Electron-Doping-Enhanced Trion Formation in Monolayer Molybdenum Disulfide Functionalized with Cesium Carbonate. <i>ACS Nano</i> , 2014, 8, 5323-5329.	7.3	211

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37	Two-dimensional multibit optoelectronic memory with broadband spectrum distinction. <i>Nature Communications</i> , 2018, 9, 2966.	5.8	211
38	Organic Organic Heterojunction Interfaces: Effect of Molecular Orientation. <i>Advanced Functional Materials</i> , 2011, 21, 410-424.	7.8	210
39	Colossal Ultraviolet Photoresponsivity of Few-Layer Black Phosphorus. <i>ACS Nano</i> , 2015, 9, 8070-8077.	7.3	204
40	Uniform and ultrathin high- $\kappa$ gate dielectrics for two-dimensional electronic devices. <i>Nature Electronics</i> , 2019, 2, 563-571.	13.1	204
41	B, N Codoped and Defect-Rich Nanocarbon Material as a Metal-Free Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions. <i>Advanced Science</i> , 2018, 5, 1800036.	5.6	202
42	Plasmonic enhancement of photocurrent in MoS <sub>2</sub> field-effect-transistor. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	201
43	3D-Printed MOF-Derived Hierarchically Porous Frameworks for Practical High-Energy Density Li-O <sub>2</sub> Batteries. <i>Advanced Functional Materials</i> , 2019, 29, 1806658.	7.8	197
44	Unraveling Charge State of Supported Au Single-Atoms during CO Oxidation. <i>Journal of the American Chemical Society</i> , 2018, 140, 554-557.	6.6	192
45	Giant Two-Photon Absorption in Bilayer Graphene. <i>Nano Letters</i> , 2011, 11, 2622-2627.	4.5	191
46	Black Phosphorus Quantum Dots for Hole Extraction of Typical Planar Hybrid Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 591-598.	2.1	191
47	Single Nickel Atoms Anchored on Nitrogen-Doped Graphene as a Highly Active Cocatalyst for Photocatalytic H <sub>2</sub> Evolution. <i>ACS Catalysis</i> , 2018, 8, 11863-11874.	5.5	183
48	Engineering the Electronic Structure of MoS <sub>2</sub> Nanorods by N and Mn Dopants for Ultra-Efficient Hydrogen Production. <i>ACS Catalysis</i> , 2018, 8, 7585-7592.	5.5	180
49	Atomic structure of the 6H-SiC(0001) nanomesh. <i>Surface Science</i> , 2005, 596, 176-186.	0.8	179
50	Synthesis and Photovoltaic Effect in Dithieno[2,3-d':2',3'-d]Benzo[1,2-b:4,5-b']dithiophene-Based Conjugated Polymers. <i>Advanced Materials</i> , 2013, 25, 838-843.		179
51	In situ spectroscopy-guided engineering of rhodium single-atom catalysts for CO oxidation. <i>Nature Communications</i> , 2019, 10, 1330.	5.8	177
52	Single-atom catalysts and their applications in organic chemistry. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8793-8814.	5.2	174
53	Structural and Electronic Properties of PTCDA Thin Films on Epitaxial Graphene. <i>ACS Nano</i> , 2009, 3, 3431-3436.	7.3	167
54	Unveiling the Role of Defects on Oxygen Activation and Photodegradation of Organic Pollutants. <i>Environmental Science &amp; Technology</i> , 2018, 52, 13879-13886.	4.6	167

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55	Selective reduction of CO <sub>2</sub> by conductive MOF nanosheets as an efficient co-catalyst under visible light illumination. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 339-345.	10.8	166
56	Deciphering the alternating synergy between interlayer Pt single-atom and NiFe layered double hydroxide for overall water splitting. <i>Energy and Environmental Science</i> , 2021, 14, 6428-6440.	15.6	164
57	Manipulating the electronic and chemical properties of graphene via molecular functionalization. <i>Progress in Surface Science</i> , 2013, 88, 132-159.	3.8	157
58	A General Method for Growing Two-Dimensional Crystals of Organic Semiconductors by "Solution Epitaxy". <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9519-9523.	7.2	153
59	Molecular Orientation-Dependent Ionization Potential of Organic Thin Films. <i>Chemistry of Materials</i> , 2008, 20, 7017-7021.	3.2	152
60	Gap States Assisted MoO <sub>3</sub> Nanobelt Photodetector with Wide Spectrum Response. <i>Scientific Reports</i> , 2014, 4, 4891.	1.6	146
61	Atomic engineering of high-density isolated Co atoms on graphene with proximal-atom controlled reaction selectivity. <i>Nature Communications</i> , 2018, 9, 3197.	5.8	146
62	Water-Catalyzed Oxidation of Few-Layer Black Phosphorous in a Dark Environment. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9131-9135.	7.2	141
63	Design and Manufacture of 3D-Printed Batteries. <i>Joule</i> , 2021, 5, 89-114.	11.7	137
64	Acid-Resistant Catalysis without Use of Noble Metals: Carbon Nitride with Underlying Nickel. <i>ACS Catalysis</i> , 2014, 4, 2536-2543.	5.5	135
65	Recent developments in 2D transition metal dichalcogenides: phase transition and applications of the (quasi-)metallic phases. <i>Chemical Society Reviews</i> , 2021, 50, 10087-10115.	18.7	135
66	Growth Intermediates for CVD Graphene on Cu(111): Carbon Clusters and Defective Graphene. <i>Journal of the American Chemical Society</i> , 2013, 135, 8409-8414.	6.6	132
67	Surface transfer hole doping of epitaxial graphene using MoO <sub>3</sub> thin film. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	130
68	Tuning the Dirac Point in CVD-Grown Graphene through Solution Processed n-Type Doping with 2-(2-Methoxyphenyl)-1,3-dimethyl-2,3-dihydro-1 <i>H</i> -benzimidazole. <i>Nano Letters</i> , 2013, 13, 1890-1897.	4.5	129
69	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. <i>Advanced Materials</i> , 2019, 31, e1901185.	11.1	129
70	Bimetal MOF derived mesocrystal ZnCo <sub>2</sub> O <sub>4</sub> on rGO with High performance in visible-light photocatalytic NO oxidization. <i>Applied Catalysis B: Environmental</i> , 2018, 236, 304-313.	10.8	128
71	Room temperature ferromagnetism in partially hydrogenated epitaxial graphene. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	126
72	Critical Crystal Growth of Graphene on Dielectric Substrates at Low Temperature for Electronic Devices. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 14121-14126.	7.2	125

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73	Controllable unzipping for intramolecular junctions of graphene nanoribbons and single-walled carbon nanotubes. <i>Nature Communications</i> , 2013, 4, 1374.	5.8	125
74	Low Temperature Critical Growth of High Quality Nitrogen Doped Graphene on Dielectrics by Plasma-Enhanced Chemical Vapor Deposition. <i>ACS Nano</i> , 2015, 9, 164-171.	7.3	125
75	Plasmon dispersion on epitaxial graphene studied using high-resolution electron energy-loss spectroscopy. <i>Physical Review B</i> , 2009, 80, .	1.1	118
76	High-Performance Hierarchical Black Phosphorous-Based Soft Electrochemical Actuators in Bioinspired Applications. <i>Advanced Materials</i> , 2019, 31, e1806492.	11.1	118
77	Surface Functionalization of Black Phosphorus via Potassium toward High-Performance Complementary Devices. <i>Nano Letters</i> , 2017, 17, 4122-4129.	4.5	117
78	Lattice-Directed Formation of Covalent and Organometallic Molecular Wires by Terminal Alkynes on Ag Surfaces. <i>ACS Nano</i> , 2015, 9, 6305-6314.	7.3	114
79	Ultrathin MnO <sub>2</sub> nanoflakes as efficient catalysts for oxygen reduction reaction. <i>Chemical Communications</i> , 2014, 50, 7885.	2.2	113
80	Heterostructured NiS <sub>2</sub> /ZnIn <sub>2</sub> S <sub>4</sub> Realizing Toroid-like Li <sub>2</sub> O <sub>2</sub> Deposition in Lithium-Oxygen Batteries with Low-Donor-Number Solvents. <i>ACS Nano</i> , 2020, 14, 3490-3499.	7.3	113
81	Improved Photoelectrical Properties of MoS <sub>2</sub> Films after Laser Micromachining. <i>ACS Nano</i> , 2014, 8, 6334-6343.	7.3	112
82	Atomic Tuning of Single-Atom Fe-N-C Catalysts with Phosphorus for Robust Electrochemical CO <sub>2</sub> Reduction. <i>Nano Letters</i> , 2022, 22, 1557-1565.	4.5	111
83	Defect chemistry in 2D materials for electrocatalysis. <i>Materials Today Energy</i> , 2019, 12, 215-238.	2.5	110
84	Growth of Quasi-Free-Standing Single-Layer Blue Phosphorus on Tellurium Monolayer Functionalized Au(111). <i>ACS Nano</i> , 2017, 11, 4943-4949.	7.3	109
85	Porous cobalt-manganese oxide nanocubes derived from metal organic frameworks as a cathode catalyst for rechargeable Li-O <sub>2</sub> batteries. <i>Nanoscale</i> , 2015, 7, 720-726.	2.8	108
86	Thin film field-effect transistors of 2,6-diphenyl anthracene (DPA). <i>Chemical Communications</i> , 2015, 51, 11777-11779.	2.2	107
87	Surface Transfer Doping of Diamond (100) by Tetrafluoro-tetracyanoquinodimethane. <i>Journal of the American Chemical Society</i> , 2007, 129, 8084-8085.	6.6	105
88	3D-printed electrodes for lithium metal batteries with high areal capacity and high-rate capability. <i>Energy Storage Materials</i> , 2020, 24, 336-342.	9.5	105
89	Efficient synergism of electrocatalysis and physical confinement leading to durable high-power lithium-sulfur batteries. <i>Nano Energy</i> , 2019, 57, 34-40.	8.2	104
90	Surface Transfer Doping-Induced, High-Performance Graphene/Silicon Schottky Junction-Based, Self-Powered Photodetector. <i>Small</i> , 2015, 11, 4829-4836.	5.2	103

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91	Tuning the metal-support interaction in catalysts for highly efficient methane dry reforming reaction. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 511-520.	10.8	103
92	Enhanced Visible-Light Activity of Titania via Confinement inside Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2011, 133, 14896-14899.	6.6	102
93	Porous Perovskite LaNiO <sub>3</sub> Nanocubes as Cathode Catalysts for Li-O <sub>2</sub> Batteries with Low Charge Potential. <i>Scientific Reports</i> , 2014, 4, 6005.	1.6	101
94	Growth of Millimeter-Size Single Crystal Graphene on Cu Foils by Circumfluence Chemical Vapor Deposition. <i>Scientific Reports</i> , 2014, 4, 4537.	1.6	98
95	Composites of a Prussian Blue Analogue and Gelatin-Derived Nitrogen-Doped Carbon-Supported Porous Spinel Oxides as Electrocatalysts for a Zn-Air Battery. <i>Advanced Energy Materials</i> , 2016, 6, 1601052.	10.2	98
96	Microwave-Induced Metal Dissolution Synthesis of Core-Shell Copper Nanowires/ZnS for Visible Light Photocatalytic H <sub>2</sub> Evolution. <i>Advanced Energy Materials</i> , 2019, 9, 1900775.	10.2	97
97	Quasi-Free-Standing Epitaxial Graphene on SiC (0001) by Fluorine Intercalation from a Molecular Source. <i>ACS Nano</i> , 2011, 5, 7662-7668.	7.3	96
98	Lending Triarylphosphine Oxide to Phenanthroline: a Facile Approach to High-Performance Organic Small-Molecule Cathode Interfacial Material for Organic Photovoltaics utilizing Air-Stable Cathodes. <i>Advanced Functional Materials</i> , 2014, 24, 6540-6547.	7.8	96
99	The Raman redshift of graphene impacted by gold nanoparticles. <i>AIP Advances</i> , 2015, 5, .	0.6	96
100	Engineering the Coordination Environment of Single Cobalt Atoms for Efficient Oxygen Reduction and Hydrogen Evolution Reactions. <i>ACS Catalysis</i> , 2021, 11, 4498-4509.	5.5	94
101	Facile synthesis of CdS@TiO <sub>2</sub> core-shell nanorods with controllable shell thickness and enhanced photocatalytic activity under visible light irradiation. <i>Applied Surface Science</i> , 2015, 349, 279-286.	3.1	93
102	Dynamic Oxygen on Surface: Catalytic Intermediate and Coking Barrier in the Modeled CO <sub>2</sub> Reforming of CH <sub>4</sub> on Ni (111). <i>ACS Catalysis</i> , 2016, 6, 4330-4339.	5.5	93
103	Effect of oxygen adsorbability on the control of Li <sub>2</sub> O <sub>2</sub> growth in Li-O <sub>2</sub> batteries: Implications for cathode catalyst design. <i>Nano Energy</i> , 2017, 36, 68-75.	8.2	93
104	Facile synthesis of uniform $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> crystals and their facet-dependent catalytic performance in the photo-Fenton reaction. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7242.	5.2	92
105	Boosting the Peroxidase-Like Activity of Nanostructured Nickel by Inducing Its 3+ Oxidation State in LaNiO <sub>3</sub> Perovskite and Its Application for Biomedical Assays. <i>Theranostics</i> , 2017, 7, 2277-2286.	4.6	90
106	Efficient photocatalytic hydrogen peroxide generation coupled with selective benzylamine oxidation over defective ZrS <sub>3</sub> nanobelts. <i>Nature Communications</i> , 2021, 12, 2039.	5.8	90
107	Linear tuning of charge carriers in graphene by organic molecules and charge-transfer complexes. <i>Physical Review B</i> , 2010, 81, .	1.1	88
108	Modulating electronic transport properties of MoS <sub>2</sub> field effect transistor by surface overlayers. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	88



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109	Mechanism of the Fermi level pinning at organic donor-acceptor heterojunction interfaces. <i>Organic Electronics</i> , 2011, 12, 534-540.	1.4	85
110	Room Temperature Ferromagnetism of Monolayer Chromium Telluride with Perpendicular Magnetic Anisotropy. <i>Advanced Materials</i> , 2021, 33, e2103360.	11.1	84
111	Air-Stable Efficient Inverted Polymer Solar Cells Using Solution-Processed Nanocrystalline ZnO Interfacial Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 4696-4701.	4.0	83
112	Oxygen-Deficient Blue TiO <sub>2</sub> for Ultrastable and Fast Lithium Storage. <i>Advanced Energy Materials</i> , 2020, 10, 1903107.	10.2	83
113	Synthesis of hierarchical porous MnO <sub>2</sub> nanoboxes as an efficient catalyst for rechargeable Li-O <sub>2</sub> batteries. <i>Nanoscale</i> , 2015, 7, 14881-14888.	2.8	82
114	Ohmic Contact Engineering for Two-Dimensional Materials. <i>Cell Reports Physical Science</i> , 2021, 2, 100298.	2.8	81
115	Intrinsic polarization coupling in 2D In <sub>2</sub> Se <sub>3</sub> toward artificial synapse with multimode operations. <i>SmartMat</i> , 2021, 2, 88-98.	6.4	81
116	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
117	Tunable Two-Dimensional Binary Molecular Networks. <i>Small</i> , 2010, 6, 70-75.	5.2	80
118	Directed Graphene-Based Nanoplatfoms for Hyperthermia: Overcoming Multiple Drug Resistance. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11198-11202.	7.2	78
119	From Micropores to Ultra-micropores inside Hard Carbon: Toward Enhanced Capacity in Room-/Low-Temperature Sodium-Ion Storage. <i>Nano-Micro Letters</i> , 2021, 13, 98.	14.4	78
120	Quasi-Monolayer Black Phosphorus with High Mobility and Air Stability. <i>Advanced Materials</i> , 2018, 30, 1704619.	11.1	76
121	Wafer-scale and deterministic patterned growth of monolayer MoS <sub>2</sub> via liquid-solid method. <i>Nanoscale</i> , 2019, 11, 16122-16129.	2.8	76
122	Facile synthesis of hierarchical porous Co <sub>3</sub> O <sub>4</sub> nanoboxes as efficient cathode catalysts for Li-O <sub>2</sub> batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 6350-6356.	5.2	75
123	Enhanced catalytic performance of Ir catalysts supported on ceria-based solid solutions for methane dry reforming reaction. <i>Catalysis Today</i> , 2017, 281, 295-303.	2.2	75
124	Device Performance of the Mott Insulator $LaVO_3$ as a Photovoltaic Material. <i>Physical Review Applied</i> , 2015, 3, .	1.5	73
125	Two-dimensional black phosphorus: its fabrication, functionalization and applications. <i>Nanoscale</i> , 2018, 10, 21575-21603.	2.8	73
126	Surface charge transfer doping for two-dimensional semiconductor-based electronic and optoelectronic devices. <i>Nano Research</i> , 2021, 14, 1682-1697.	5.8	72



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127	Nonvolatile and Programmable Photodoping in MoTe <sub>2</sub> for Photoresist-Free Complementary Electronic Devices. <i>Advanced Materials</i> , 2018, 30, e1804470.	11.1	70
128	Molecular orientation transition of organic thin films on graphite: the effect of intermolecular electrostatic and interfacial dispersion forces. <i>Chemical Communications</i> , 2008, , 4276.	2.2	69
129	Charge transfer across the molecule/metal interface using the core hole clock technique. <i>Surface Science Reports</i> , 2008, 63, 465-486.	3.8	68
130	Molecular orientation dependent interfacial dipole at the F16CuPc•CuPc organic heterojunction interface. <i>Applied Physics Letters</i> , 2008, 92, 063308.	1.5	68
131	Reversible Single-Molecule Switching in an Ordered Monolayer Molecular Dipole Array. <i>Small</i> , 2012, 8, 1423-1428.	5.2	68
132	Tuning the electronic and structural properties of WO <sub>3</sub> nanocrystals by varying transition metal tungstate precursors. <i>RSC Advances</i> , 2014, 4, 62423-62429.	1.7	67
133	Highly Crystalline K-Intercalated Polymeric Carbon Nitride for Visible-Light Photocatalytic Alkenes and Alkynes Deuterations. <i>Advanced Science</i> , 2019, 6, 1801403.	5.6	67
134	A Nanosheet Array of Cu <sub>2</sub> Se Intercalation Compound with Expanded Interlayer Space for Sodium Ion Storage. <i>Advanced Energy Materials</i> , 2020, 10, 2000666.	10.2	67
135	Organic Field Effect Transistor-Based Photonic Synapses: Materials, Devices, and Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2106151.	7.8	67
136	Hard corona composition and cellular toxicities of the graphene sheets. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 109, 212-218.	2.5	64
137	Electron transport and visible light absorption in a plasmonic photocatalyst based on strontium niobate. <i>Nature Communications</i> , 2017, 8, 15070.	5.8	64
138	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. <i>Science Advances</i> , 2021, 7, .	4.7	64
139	C <sub>60</sub> Molecular Chains on 1,4-Benzothienophene Nanostripes. <i>Small</i> , 2007, 3, 2015-2018.	5.2	63
140	Laser Patterning of Epitaxial Graphene for Schottky Junction Photodetectors. <i>ACS Nano</i> , 2011, 5, 5969-5975.	7.3	63
141	Low-Temperature, Bottom-Up Synthesis of Graphene via a Radical-Coupling Reaction. <i>Journal of the American Chemical Society</i> , 2013, 135, 9050-9054.	6.6	63
142	Monodispersed Ru Nanoparticles Functionalized Graphene Nanosheets as Efficient Cathode Catalysts for O <sub>2</sub> -Assisted Li-CO <sub>2</sub> Battery. <i>ACS Omega</i> , 2017, 2, 9280-9286.	1.6	63
143	Temperature- and Phase-Dependent Phonon Renormalization in 1T-MoS <sub>2</sub> . <i>ACS Nano</i> , 2018, 12, 5051-5058.	7.3	63
144	Reversible Al Metal Anodes Enabled by Amorphization for Aqueous Aluminum Batteries. <i>Journal of the American Chemical Society</i> , 2022, 144, 11444-11455.	6.6	63

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145	Two-Dimensional Pentacene:3,4,9,10-Perylenetetracarboxylic Dianhydride Supramolecular Chiral Networks on Ag(111). <i>Journal of the American Chemical Society</i> , 2008, 130, 12285-12289.	6.6	61
146	Ultrathin PtPdCu Nanowires Fused Porous Architecture with 3D Molecular Accessibility: An Active and Durable Platform for Methanol Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 26333-26339.	4.0	61
147	Thermally stable Ir/CeO <sub>2</sub> /La <sub>2</sub> O <sub>3</sub> catalyst for high temperature methane dry reforming reaction. <i>Nano Research</i> , 2017, 10, 364-380.	5.8	61
148	Tuning the Hole Injection Barrier at the Organic/Metal Interface with Self-Assembled Functionalized Aromatic Thiols. <i>Journal of Physical Chemistry B</i> , 2006, 110, 26075-26080.	1.2	60
149	Molecular orientation of 3, 4, 9, 10-perylene-tetracarboxylic-dianhydride thin films at organic heterojunction interfaces. <i>Applied Physics Letters</i> , 2007, 91, 114102.	1.5	60
150	Low-Temperature Scanning Tunneling Microscopy Investigation of Epitaxial Growth of F16CuPc Thin Films on Ag(111). <i>Journal of Physical Chemistry C</i> , 2008, 112, 14913-14918.	1.5	60
151	Preferential Trapping of C <sub>60</sub> in Nanomesh Voids. <i>Journal of the American Chemical Society</i> , 2008, 130, 2720-2721.	6.6	60
152	Low-Temperature Scanning Tunneling Microscopy and Near-Edge X-ray Absorption Fine Structure Investigations of Molecular Orientation of Copper(II) Phthalocyanine Thin Films at Organic Heterojunction Interfaces. <i>Journal of Physical Chemistry C</i> , 2008, 112, 5036-5042.	1.5	60
153	Probing epitaxial growth of graphene on silicon carbide by metal decoration. <i>Applied Physics Letters</i> , 2008, 92, 104102.	1.5	60
154	Synthesis of porous CoMoO <sub>4</sub> nanorods as a bifunctional cathode catalyst for a Li-O <sub>2</sub> battery and superior anode for a Li-ion battery. <i>Nanoscale</i> , 2017, 9, 3898-3904.	2.8	60
155	Uniform Mesoporous Anatase-Brookite Biphase TiO <sub>2</sub> Hollow Spheres with High Crystallinity via Ostwald Ripening. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21718-21723.	1.5	59
156	Band-tailored van der Waals heterostructure for multilevel memory and artificial synapse. <i>Information Materials</i> , 2021, 3, 917-928.	8.5	59
157	CO <sub>2</sub> methanation over a Ni based ordered mesoporous catalyst for the production of synthetic natural gas. <i>RSC Advances</i> , 2016, 6, 28489-28499.	1.7	58
158	Fabrication and Properties of a Free-Standing Two-Dimensional Titania. <i>Journal of the American Chemical Society</i> , 2017, 139, 15414-15419.	6.6	58
159	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
160	2D Phosphorene: Epitaxial Growth and Interface Engineering for Electronic Devices. <i>Advanced Materials</i> , 2018, 30, e1802207.	11.1	58
161	Stable, carrier separation tailorable conjugated microporous polymers as a platform for highly efficient photocatalytic H <sub>2</sub> evolution. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 114-121.	10.8	58
162	Steering Surface Reaction Dynamics with a Self-Assembly Strategy: Ullmann Coupling on Metal Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12852-12856.	7.2	56

#	ARTICLE	IF	CITATIONS
163	Two-dimensional magnetic transition metal chalcogenides. <i>SmartMat</i> , 2021, 2, 139-153.	6.4	56
164	Surface-Transfer Doping of Organic Semiconductors Using Functionalized Self-Assembled Monolayers. <i>Advanced Functional Materials</i> , 2007, 17, 1339-1344.	7.8	55
165	Highly Stable Two-dimensional Tin(II) Iodide Hybrid Organic-Inorganic Perovskite Based on Stilbene Derivative. <i>Advanced Functional Materials</i> , 2019, 29, 1904810.	7.8	55
166	Stimuli-enabled Artificial Synapses for Neuromorphic Perception: Progress and Perspectives. <i>Small</i> , 2020, 16, e2001504.	5.2	55
167	Surface Structure and Electronic Properties of In <sub>2</sub> O <sub>3</sub> (111) Single-Crystal Thin Films Grown on Y-Stabilized ZrO <sub>2</sub> (111). <i>Chemistry of Materials</i> , 2009, 21, 4353-4355.	3.2	54
168	Tunable Arrays of C <sub>60</sub> Molecular Chains. <i>Advanced Materials</i> , 2008, 20, 484-488.	11.1	53
169	Experimental Reorganization Energies of Pentacene and Perfluoropentacene: Effects of Perfluorination. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22428-22437.	1.5	53
170	Molecular orientation of CuPc thin films on C60/Ag(111). <i>Applied Physics Letters</i> , 2009, 94, .	1.5	52
171	Graphene-Based Infrared Position-Sensitive Detector for Precise Measurements and High-Speed Trajectory Tracking. <i>Nano Letters</i> , 2019, 19, 8132-8137.	4.5	52
172	Synthesis of Monolayer Blue Phosphorus Enabled by Silicon Intercalation. <i>ACS Nano</i> , 2020, 14, 3687-3695.	7.3	52
173	Heterogeneous Single Atom Environmental Catalysis: Fundamentals, Applications, and Opportunities. <i>Advanced Functional Materials</i> , 2022, 32, 2108381.	7.8	51
174	Probing the ultrafast electron transfer at the CuPc-Au(111) interface. <i>Applied Physics Letters</i> , 2006, 88, 184102.	1.5	50
175	Orientation-controlled charge transfer at CuPc/F16CuPc interfaces. <i>Journal of Applied Physics</i> , 2009, 106, 064910.	1.1	50
176	CNTs threaded (001) exposed TiO <sub>2</sub> with high activity in photocatalytic NO oxidation. <i>Nanoscale</i> , 2016, 8, 2899-2907.	2.8	50
177	Photocatalytic properties of Pd/TiO <sub>2</sub> nanosheets for hydrogen evolution from water splitting. <i>RSC Advances</i> , 2016, 6, 67502-67508.	1.7	50
178	Orientationally Ordered C <sub>60</sub> on p-Sexiphenyl Nanostripes on Ag(111). <i>ACS Nano</i> , 2008, 2, 693-698.	7.3	48
179	Observation of room-temperature high-energy resonant excitonic effects in graphene. <i>Physical Review B</i> , 2011, 84, .	1.1	48
180	Large-Size Linear and Star-Shaped Dihydropyrazine Fused Pyrazinacenes. <i>Organic Letters</i> , 2012, 14, 494-497.	2.4	48

#	ARTICLE	IF	CITATIONS
181	Pd <sub>x</sub> Cu <sub>100-x</sub> networks: an active and durable electrocatalyst for ethanol oxidation in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2014, 2, 20933-20938.	5.2	48
182	Porous CuO nanotubes/graphene with sandwich architecture as high-performance anodes for lithium-ion batteries. <i>Nanoscale</i> , 2016, 8, 19343-19351.	2.8	48
183	Stable Pt Single Atoms and Nanoclusters on Ultrathin CuO Film and Their Performances in CO Oxidation. <i>Journal of Physical Chemistry C</i> , 2016, 120, 1709-1715.	1.5	48
184	Fabry-Perot Cavity-Enhanced Optical Absorption in Ultrasensitive Tunable Photodiodes Based on Hybrid 2D Materials. <i>Nano Letters</i> , 2017, 17, 7593-7598.	4.5	48
185	Metallic 1T Phase, 3d <sup>&gt;1&lt;/sup&gt; Electronic Configuration and Charge Density Wave Order in Molecular Beam Epitaxy Grown Monolayer Vanadium DiteLLuride. <i>ACS Nano</i>, 2019, 13, 12894-12900.</sup>	7.3	48
186	Recent advances in one-dimensional nanostructures for energy electrocatalysis. <i>Chinese Journal of Catalysis</i> , 2019, 40, 4-22.	6.9	48
187	Effect of Functional Group (Fluorine) of Aromatic Thiols on Electron Transfer at the Molecule-Metal Interface. <i>Journal of the American Chemical Society</i> , 2006, 128, 935-939.	6.6	47
188	The role of gap states in the energy level alignment at the organic-organic heterojunction interfaces. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 14127.	1.3	47
189	Origin of the energy level alignment at organic/organic interfaces: The role of structural defects. <i>Physical Review B</i> , 2014, 89, .	1.1	47
190	Significant roles of mesostructure and basic modifier for ordered mesoporous Ni <sub>2</sub> /CaO-Al <sub>2</sub> O <sub>3</sub> catalyst towards CO <sub>2</sub> reforming of CH <sub>4</sub> . <i>Catalysis Science and Technology</i> , 2014, 4, 1759-1770.	2.1	47
191	Effective hydrogenation of g-C <sub>3</sub> N <sub>4</sub> for enhanced photocatalytic performance revealed by molecular structure dynamics. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 63-70.	10.8	47
192	Molecular Trapping on Two-Dimensional Binary Supramolecular Networks. <i>Journal of the American Chemical Society</i> , 2011, 133, 820-825.	6.6	46
193	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
194	Oxygen induced strong mobility modulation in few-layer black phosphorus. <i>2D Materials</i> , 2017, 4, 021007.	2.0	45
195	Gas-Phase Photoelectrocatalysis for Breaking Down Nitric Oxide. <i>Environmental Science &amp; Technology</i> , 2019, 53, 7145-7154.	4.6	45
196	Visible-Near-Infrared-Light-Driven Oxygen Evolution Reaction with Noble-Metal-Free WO <sub>2</sub> -WO <sub>3</sub> Hybrid Nanorods. <i>Langmuir</i> , 2016, 32, 13046-13053.	1.6	44
197	Direct Observation of Semiconductor-Metal Phase Transition in Bilayer Tungsten Diselenide Induced by Potassium Surface Functionalization. <i>ACS Nano</i> , 2018, 12, 2070-2077.	7.3	44
198	Ionization potential dependent air exposure effect on the MoO <sub>3</sub> /organic interface energy level alignment. <i>Organic Electronics</i> , 2012, 13, 2793-2800.	1.4	43

#	ARTICLE	IF	CITATIONS
199	Fe/Fe <sub>3</sub> C decorated 3-D porous nitrogen-doped graphene as a cathode material for rechargeable Li-O <sub>2</sub> batteries. <i>Electrochimica Acta</i> , 2016, 191, 733-742.	2.6	43
200	Abnormal Near-Infrared Absorption in 2D Black Phosphorus Induced by Ag Nanoclusters Surface Functionalization. <i>Advanced Materials</i> , 2018, 30, e1801931.	11.1	43
201	Observation of superconductivity in structure-selected Ti <sub>2</sub> O <sub>3</sub> thin films. <i>NPG Asia Materials</i> , 2018, 10, 522-532.	3.8	43
202	Cryogenic Exfoliation of 2D Stanene Nanosheets for Cancer Theranostics. <i>Nano-Micro Letters</i> , 2021, 13, 90.	14.4	43
203	Facile Production of Phosphorene Nanoribbons towards Application in Lithium Metal Battery. <i>Advanced Materials</i> , 2021, 33, e2102083.	11.1	43
204	Large room-temperature quantum linear magnetoresistance in multilayered epitaxial graphene: Evidence for two-dimensional magnetotransport. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	42
205	Self-Assembly of Polar Phthalocyanine Molecules on Graphene Grown by Chemical Vapor Deposition. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21849-21855.	1.5	42
206	Tunable optical absorption and interactions in graphene via oxygen plasma. <i>Physical Review B</i> , 2014, 89, .	1.1	42
207	Organic Cocrystal Photovoltaic Behavior: A Model System to Study Charge Recombination of C <sub>60</sub> and C <sub>70</sub> at the Molecular Level. <i>Advanced Electronic Materials</i> , 2016, 2, 1500423.	2.6	42
208	One-step synthesis of ordered mesoporous CoAl <sub>2</sub> O <sub>4</sub> spinel-based metal oxides for CO <sub>2</sub> reforming of CH <sub>4</sub> . <i>RSC Advances</i> , 2015, 5, 48256-48268.	1.7	41
209	Solid-Phase Microwave Reduction of WO <sub>3</sub> by GO for Enhanced Synergistic Photo-Fenton Catalytic Degradation of Bisphenol A. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 32604-32614.	4.0	41
210	Effect of Gap States on the Orientation-Dependent Energy Level Alignment at the DIP/F <sub>16</sub> CuPc Donor-Acceptor Heterojunction Interfaces. <i>Journal of Physical Chemistry C</i> , 2011, 115, 23922-23928.	1.5	40
211	Growth dynamics and kinetics of monolayer and multilayer graphene on a 6H-SiC(0001) substrate. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13522.	1.3	39
212	Mildly O <sub>2</sub> plasma treated CVD graphene as a promising platform for molecular sensing. <i>Carbon</i> , 2014, 76, 212-219.	5.4	39
213	Novel Air Stable Organic Radical Semiconductor of Dimers of Dithienothiophene, Single Crystals, and Field-Effect Transistors. <i>Advanced Materials</i> , 2016, 28, 7466-7471.	11.1	39
214	Two-Dimensional C/TiO <sub>2</sub> Heterogeneous Hybrid for Noble-Metal-Free Hydrogen Evolution. <i>ACS Catalysis</i> , 2017, 7, 6892-6900.	5.5	39
215	On-surface synthesis approach to preparing one-dimensional organometallic and poly-p-phenylene chains. <i>Materials Chemistry Frontiers</i> , 2017, 1, 119-127.	3.2	39
216	Growth of monodispersed cobalt nanoparticles on 6H-SiC(0001) honeycomb template. <i>Applied Physics Letters</i> , 2004, 84, 281-283.	1.5	38

#	ARTICLE	IF	CITATIONS
217	Configuration-Dependent Interface Charge Transfer at a Molecule-Metal Junction. <i>Journal of the American Chemical Society</i> , 2006, 128, 8003-8007.	6.6	38
218	Self-assembled organic donor/acceptor nanojunction arrays. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	38
219	Interface investigation of the alcohol-/water-soluble conjugated polymer PFN as cathode interfacial layer in organic solar cells. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	38
220	Dipole Orientation Dependent Symmetry Reduction of Chloroaluminum Phthalocyanine on Cu(111). <i>Journal of Physical Chemistry C</i> , 2013, 117, 1013-1019.	1.5	38
221	Molecular Ordering and Dipole Alignment of Vanadyl Phthalocyanine Monolayer on Metals: The Effects of Interfacial Interactions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 4151-4159.	1.5	38
222	Aggregation morphology is a key factor determining protein adsorption on graphene oxide and reduced graphene oxide nanomaterials. <i>Environmental Science: Nano</i> , 2019, 6, 1303-1309.	2.2	38
223	An Effective Approach to Achieve a Spin Gapless Semiconductor-Metal Transition in Zigzag Graphene Nanoribbons: Attaching A Floating Induced Dipole Field via $\pi$ - $\pi$ Interactions. <i>Advanced Functional Materials</i> , 2013, 23, 1507-1518.	7.8	37
224	X-shaped hollow $\gamma$ -FeOOH penetration twins and their conversion to $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> nanocrystals bound by high-index facets with enhanced photocatalytic activity. <i>Chemical Engineering Journal</i> , 2015, 274, 224-230.	6.6	37
225	Anomalous Broadband Spectrum Photodetection in 2D Rhenium Disulfide Transistor. <i>Advanced Optical Materials</i> , 2019, 7, 1901115.	3.6	37
226	In-situ growth of V-shaped CoSe <sub>2</sub> nanorods on graphene with Co-Co bonding for high-rate and long-life sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020, 819, 153359.	2.8	37
227	An ultrasensitive molybdenum-based double-heterojunction phototransistor. <i>Nature Communications</i> , 2021, 12, 4094.	5.8	37
228	Multifunctional MoTe <sub>2</sub> Fe-FET Enabled by Ferroelectric Polarization-Assisted Charge Trapping. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	37
229	One dimensional molecular dipole chain arrays on graphite via nanoscale phase separation. <i>Chemical Communications</i> , 2010, 46, 9040.	2.2	36
230	Electrical measurement of non-destructively p-type doped graphene using molybdenum trioxide. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	36
231	Suppression of Grain Boundaries in Graphene Growth on Superstructured Mn-Cu(111) Surface. <i>Physical Review Letters</i> , 2012, 109, 265507.	2.9	36
232	Carbon Dioxide Reforming of Methane over Cobalt-Nickel Bimetal-Doped Ordered Mesoporous Alumina Catalysts with Advanced Catalytic Performances. <i>ChemCatChem</i> , 2016, 8, 2536-2548.	1.8	36
233	Recent advances in electrocatalysts for non-aqueous Li-O <sub>2</sub> batteries. <i>Chinese Chemical Letters</i> , 2017, 28, 709-718.	4.8	36
234	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



#	ARTICLE	IF	CITATIONS
235	Enhanced catalytic performance of CeO <sub>2</sub> confined inside carbon nanotubes for dehydrogenation of ethylbenzene in the presence of CO <sub>2</sub> . <i>Journal of Molecular Catalysis A</i> , 2012, 363-364, 283-290.	4.8	35
236	High performance vertical tunneling diodes using graphene/hexagonal boron nitride/graphene hetero-structure. <i>Applied Physics Letters</i> , 2014, 104, 053103.	1.5	35
237	Energy Level Realignment in Weakly Interacting Donor-Acceptor Binary Molecular Networks. <i>ACS Nano</i> , 2014, 8, 1699-1707.	7.3	35
238	Palladium nanoparticle functionalized graphene nanosheets for Li-O <sub>2</sub> batteries: enhanced performance by tailoring the morphology of the discharge product. <i>RSC Advances</i> , 2015, 5, 73451-73456.	1.7	35
239	Reducing the Schottky barrier between few-layer MoTe <sub>2</sub> and gold. <i>2D Materials</i> , 2017, 4, 045016.	2.0	35
240	Bromine adatom promoted C-H bond activation in terminal alkynes at room temperature on Ag(111). <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 11081-11088.	1.3	35
241	A Facile Approach to Improve Interchain Packing Order and Charge Mobilities by Self-Assembly of Conjugated Polymers on Water. <i>Advanced Science</i> , 2018, 5, 1801497.	5.6	35
242	Size-focusing results in highly photoluminescent sulfur quantum dots with a stable emission wavelength. <i>Nanoscale</i> , 2021, 13, 2519-2526.	2.8	35
243	Nano-bio interfaces effect of two-dimensional nanomaterials and their applications in cancer immunotherapy. <i>Acta Pharmaceutica Sinica B</i> , 2021, 11, 3447-3464.	5.7	35
244	Poly(3,4-ethylenedioxythiophene):poly(styrenesulfonate)/MoO <sub>3</sub> composite layer for efficient and stable hole injection in organic semiconductors. <i>Journal of Applied Physics</i> , 2012, 111, 043716.	1.1	34
245	Impact of molecule-dipole orientation on energy level alignment at the submolecular scale. <i>Physical Review B</i> , 2013, 87, .	1.1	34
246	Defect Chemistry in Discharge Products of Li-O <sub>2</sub> Batteries. <i>Small Methods</i> , 2019, 3, 1800358.	4.6	34
247	Observation of a surface alloying-to-dealloying transition during growth of Bi on Ag(111). <i>Physical Review B</i> , 2011, 83, .	1.1	33
248	LT-STM studies on substrate-dependent self-assembly of small organic molecules. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 464005.	1.3	33
249	Reversible Switching of a Single-Dipole Molecule Imbedded in Two-Dimensional Hydrogen-Bonded Binary Molecular Networks. <i>Journal of Physical Chemistry C</i> , 2014, 118, 1712-1718.	1.5	33
250	Atomistic mechanisms for bilayer growth of graphene on metal substrates. <i>Physical Review B</i> , 2015, 91, .	1.1	33
251	Black phosphorus inverter devices enabled by in-situ aluminum surface modification. <i>Nano Research</i> , 2019, 12, 531-536.	5.8	33
252	Controlling Native Oxidation of HfS <sub>2</sub> for 2D Materials Based Flash Memory and Artificial Synapse. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 10639-10649.	4.0	33



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253	Impact of size on energy storage performance of graphene based supercapacitor electrode. <i>Electrochimica Acta</i> , 2016, 219, 463-469.	2.6	32
254	Free-standing 2D Hexagonal Aluminum Nitride Dielectric Crystals for High-performance Organic Field-effect Transistors. <i>Advanced Materials</i> , 2018, 30, e1801891.	11.1	32
255	Co <sub>3</sub> O <sub>4</sub> functionalized porous carbon nanotube oxygen-cathodes to promote Li <sub>2</sub> O <sub>2</sub> surface growth for improved cycling stability of Li-O <sub>2</sub> batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25501-25508.	5.2	31
256	Near-Infrared Photoelectric Properties of Multilayer Bi <sub>2</sub> O <sub>2</sub> Se Nanofilms. <i>Nanoscale Research Letters</i> , 2019, 14, 371.	3.1	31
257	Structure of Blue Phosphorus Grown on Au(111) Surface Revisited. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2024-2029.	1.5	31
258	Nanoparticle Dispersion on Reconstructed Carbon Nanomeshes. <i>Langmuir</i> , 2004, 20, 10779-10784.	1.6	30
259	C <sub>60</sub> on SiC Nanomesh. <i>Journal of Physical Chemistry B</i> , 2006, 110, 21873-21881.	1.2	30
260	CVD Graphene as Interfacial Layer to Engineer the Organic Donor-Acceptor Heterojunction Interface Properties. <i>ACS Applied Materials &amp; Interfaces</i> , 2012, 4, 3134-3140.	4.0	30
261	Elementary Process for CVD Graphene on Cu(110): Size-selective Carbon Clusters. <i>Scientific Reports</i> , 2014, 4, 4431.	1.6	30
262	Significantly enhanced optoelectronic performance of tungsten diselenide phototransistor via surface functionalization. <i>Nano Research</i> , 2017, 10, 1282-1291.	5.8	30
263	Emergence of photoluminescence on bulk MoS <sub>2</sub> by laser thinning and gold particle decoration. <i>Nano Research</i> , 2018, 11, 4574-4586.	5.8	30
264	Dielectric Engineered Two-Dimensional Neuromorphic Transistors. <i>Nano Letters</i> , 2021, 21, 3557-3565.	4.5	30
265	Chemical vapor deposition graphene as structural template to control interfacial molecular orientation of chloroaluminium phthalocyanine. <i>Applied Physics Letters</i> , 2011, 99, 093301.	1.5	29
266	Impact of Fluorination on Initial Growth and Stability of Pentacene on Cu(111). <i>Journal of Physical Chemistry C</i> , 2012, 116, 7726-7734.	1.5	29
267	Recyclable silver-decorated magnetic titania nanocomposite with enhanced visible-light photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2016, 189, 192-198.	10.8	29
268	A General Method for Growing Two-Dimensional Crystals of Organic Semiconductors by Solution Epitaxy. <i>Angewandte Chemie</i> , 2016, 128, 9671-9675.	1.6	28
269	3D-Printed Grids with Polymeric Photocatalytic System as Flexible Air Filter. <i>Applied Catalysis B: Environmental</i> , 2020, 262, 118307.	10.8	28
270	An S-scheme NH <sub>2</sub> -UiO-66/SiC photocatalyst via microwave synthesis with improved CO <sub>2</sub> reduction activity. <i>Journal of CO<sub>2</sub> Utilization</i> , 2022, 55, 101806.	3.3	28

#	ARTICLE	IF	CITATIONS
271	Improving chemical vapor deposition graphene conductivity using molybdenum trioxide: An <i>in-situ</i> field effect transistor study. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	27
272	Bandgap Control of the Oxygen Vacancy Induced Two-Dimensional Electron Gas in SrTiO <sub>3</sub> . <i>Advanced Materials Interfaces</i> , 2014, 1, 1400155.	1.9	27
273	Reversible Oxidation of Blue Phosphorus Monolayer on Au(111). <i>Nano Letters</i> , 2019, 19, 5340-5346.	4.5	27
274	Out-of-Plane Homojunction Enabled High Performance SnS <sub>2</sub> Lateral Phototransistor. <i>Advanced Optical Materials</i> , 2020, 8, 1901971.	3.6	27
275	A superior electrocatalyst toward the oxygen reduction reaction obtained by atomically dispersing copper on N, F co-doped graphene through atomic interface engineering. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13876-13883.	5.2	27
276	Growth of well-aligned Bi nanowire on Ag(111). <i>Applied Surface Science</i> , 2009, 256, 460-464.	3.1	26
277	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
278	Molecular-scale investigation of C60/p-sexiphenyl organic heterojunction interface. <i>Journal of Chemical Physics</i> , 2011, 134, 154706.	1.2	26
279	Rational design of two-dimensional molecular donor-acceptor nanostructure arrays. <i>Nanoscale</i> , 2015, 7, 4306-4324.	2.8	26
280	Surface passivation of black phosphorus via van der Waals stacked PTCDA. <i>Applied Surface Science</i> , 2019, 496, 143688.	3.1	26
281	Electronic structure and magnetism of MTe <sub>2</sub> (M=Ti, V, Cr, Mn, Fe, Co and Ni) monolayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 508, 166878.	1.0	26
282	Investigation of Interface Properties for ClAlPc/C <sub>60</sub> Heterojunction-Based Inverted Organic Solar Cell. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2521-2526.	1.5	25
283	CoS <sub>2</sub> nanoparticles-graphene hybrid as a cathode catalyst for aprotic Li-O <sub>2</sub> batteries. <i>RSC Advances</i> , 2016, 6, 31739-31743.	1.7	25
284	Self-assembly on silicon carbide nanomesh templates. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 6287-6299.	1.3	24
285	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
286	Fabrication of highly ordered P3HT:PCBM nanostructures and its application as a supercapacitive electrode. <i>Nanoscale</i> , 2012, 4, 3725.	2.8	24
287	Non-covalent interaction controlled 2D organic semiconductor films: Molecular self-assembly, electronic and optical properties, and electronic devices. <i>Surface Science Reports</i> , 2020, 75, 100481.	3.8	24
288	Deoxidation of graphene oxide nanosheets to extended graphenites by unzipping-elimination. <i>Journal of Chemical Physics</i> , 2008, 129, 114702.	1.2	23

#	ARTICLE	IF	CITATIONS
289	Evolution of the SrTiO <sub>3</sub> –MoO <sub>3</sub> Interface Electronic Structure: An in Situ Photoelectron Spectroscopy Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 11309-11314.	4.0	23
290	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
291	Epitaxial growth and characterization of graphene on free-standing polycrystalline 3C-SiC. <i>Journal of Applied Physics</i> , 2011, 110, 014308.	1.1	22
292	Synthesis of {100} Facet Dominant Anatase TiO <sub>2</sub> Nanobelts and the Origin of Facet-Dependent Photoreactivity. <i>Chemistry - A European Journal</i> , 2014, 20, 15095-15101.	1.7	22
293	Single-Molecule Imaging of Activated Nitrogen Adsorption on Individual Manganese Phthalocyanine. <i>Nano Letters</i> , 2015, 15, 3181-3188.	4.5	22
294	Low-temperature scanning tunneling microscopy study on the electronic properties of a double-decker DyPc2 molecule at the surface. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27019-27026.	1.3	22
295	Probing the effect of the Pt–Ni–Pt(111) bimetallic surface electronic structures on the ammonia decomposition reaction. <i>Nanoscale</i> , 2017, 9, 666-672.	2.8	22
296	Directed Graphene-Based Nanoplatfoms for Hyperthermia: Overcoming Multiple Drug Resistance. <i>Angewandte Chemie</i> , 2018, 130, 11368-11372.	1.6	22
297	Surface Engineering of Two-Dimensional Materials. <i>ChemNanoMat</i> , 2019, 5, 6-23.	1.5	22
298	Inorganic-anion-modulated synthesis of 2D nonlayered aluminum-based metal-organic frameworks as carbon precursor for capacitive sodium ion storage. <i>Energy Storage Materials</i> , 2020, 26, 391-399.	9.5	22
299	Atomic Scale Oxidation of Silicon Nanoclusters on Silicon Carbide Surfaces. <i>Journal of Physical Chemistry B</i> , 2003, 107, 11597-11603.	1.2	21
300	Ultrafast Electron Transfer from Oligo(p-phenylene-ethynylene)thiol to Gold. <i>Journal of Physical Chemistry B</i> , 2006, 110, 674-676.	1.2	21
301	–Zigzag–C60 chain arrays. <i>Applied Physics Letters</i> , 2008, 92, 023105.	1.5	21
302	Mesoporous CeO <sub>2</sub> nanobelts synthesized by a facile hydrothermal route via controlling cationic type and concentration of alkali. <i>Microporous and Mesoporous Materials</i> , 2013, 169, 81-87.	2.2	21
303	Room Temperature Magnetic Graphene–Iron Oxide Nanocomposite Based Magnetoresistive Random Access Memory Devices via Spin-Dependent Trapping of Electrons. <i>Small</i> , 2014, 10, 1945-1952.	5.2	21
304	Self-assembled two-dimensional nanoporous molecular arrays and photoinduced polymerization of 4-bromo-4'-hydroxybiphenyl on Ag(111). <i>Journal of Chemical Physics</i> , 2015, 142, 101902.	1.2	21
305	Insights into the morphology and composition effects of one-dimensional CuPt nanostructures on the electrocatalytic activities and methanol oxidation mechanism by <i>in situ</i> FTIR. <i>Nanoscale</i> , 2020, 12, 13688-13696.	2.8	21
306	Tuning of C60 energy levels using orientation-controlled phthalocyanine films. <i>Journal of Applied Physics</i> , 2010, 108, 053706.	1.1	20

#	ARTICLE	IF	CITATIONS
307	Substrate Reconstruction Mediated Unidirectionally Aligned Molecular Dipole Dot Arrays. Journal of Physical Chemistry C, 2012, 116, 11565-11569.	1.5	20
308	Self-assembly of binary molecular nanostructure arrays on graphite. Physical Chemistry Chemical Physics, 2013, 15, 12414.	1.3	20
309	Photocurrent Response in Multiwalled Carbon Nanotube Core-Molybdenum Disulfide Shell Heterostructures. Journal of Physical Chemistry C, 2015, 119, 24588-24596.	1.5	20
310	Catalytic Intermediates of CO <sub>2</sub> Hydrogenation on Cu(111) Probed by In Operando Near-Ambient Pressure Technique. Chemistry - A European Journal, 2018, 24, 16097-16103.	1.7	20
311	Designing Kagome Lattice from Potassium Atoms on Phosphorus-Gold Surface Alloy. Nano Letters, 2020, 20, 5583-5589.	4.5	20
312	Ultrasensitive graphene-Si position-sensitive detector for motion tracking. Information Materials, 2020, 2, 761-768.	8.5	20
313	Disorder beneath epitaxial graphene on SiC(0001): An x-ray absorption study. Physical Review B, 2008, 78, .	1.1	19
314	Anomalous photoresponse in the deep-ultraviolet due to resonant excitonic effects in oxygen plasma treated few-layer graphene. Carbon, 2016, 106, 330-335.	5.4	19
315	High-performance CoNb phosphide water splitting electrocatalyst on plasma-defect-engineered carbon cloth. Chemical Engineering Journal, 2022, 446, 137419.	6.6	19
316	The applications of single-atom alloys in electrocatalysis: Progress and challenges. SmartMat, 2023, 4, .	6.4	19
317	Tunable two-dimensional molecular dipole dot arrays on graphite. Applied Physics Letters, 2011, 99, 143114.	1.5	18
318	Photoresponse in epitaxial graphene with asymmetric metal contacts. Applied Physics Letters, 2012, 100, .	1.5	18
319	Using ultra-high molecular weight hydrophilic polymer as cathode interlayer for inverted polymer solar cells: Enhanced efficiency and excellent air-stability. Solar Energy Materials and Solar Cells, 2014, 123, 104-111.	3.0	18
320	Phosphorus Nanostripe Arrays on Cu(110): A Case Study to Understand the Substrate Effect on the Phosphorus thin Film Growth. Advanced Materials Interfaces, 2017, 4, 1601167.	1.9	18
321	Application of functionalized graphene in Li-O <sub>2</sub> batteries. Nanotechnology, 2021, 32, 132003.	1.3	18
322	Recent progress in epitaxial growth of two-dimensional phosphorus. SmartMat, 2021, 2, 286-298.	6.4	18
323	Epitaxial growth of diindenoperylene ultrathin films on Ag(111) investigated by LT-STM and LEED. Physical Chemistry Chemical Physics, 2011, 13, 20933.	1.3	17
324	Trapping Single Polar Molecules in SiC Nanomesh via Out-of-Plane Dipoles. ACS Nano, 2012, 6, 2774-2778.	7.3	17

#	ARTICLE	IF	CITATIONS
325	Promoting defective-Li <sub>2</sub> O <sub>2</sub> formation via Na doping for Li <sup>+</sup> O <sub>2</sub> batteries with low charge overpotentials. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10389-10396.	5.2	17
326	Monodispersed Ruthenium Nanoparticles on Nitrogen-Doped Reduced Graphene Oxide for an Efficient Lithium <sup>+</sup> Oxygen Battery. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 19915-19926.	4.0	17
327	Electrocatalysis enabled transformation of earth-abundant water, nitrogen and carbon dioxide for a sustainable future. <i>Materials Advances</i> , 2022, 3, 1359-1400.	2.6	17
328	A Surface Chemistry Route to Molybdenum Sulfide and Germanide Films Using the Single-Source Precursor Tetrakis(diethylaminodithiocarbamate)molybdate(IV). <i>Journal of Physical Chemistry B</i> , 2004, 108, 17537-17545.	1.2	16
329	High resolution electron energy loss spectroscopy study of clean, air-exposed and methanol-dosed Ge(100) surface. <i>Surface Science</i> , 2005, 575, 51-59.	0.8	16
330	Î <sup>2</sup> -FeOOH decorated highly porous carbon aerogels composite as a cathode material for rechargeable Li <sup>+</sup> O <sub>2</sub> batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6447-6454.	5.2	16
331	Unveiling Structural Evolution of CO Adsorption on Ru(0001) with High-Resolution STM. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8626-8633.	1.5	16
332	Water <sup>+</sup> Catalyzed Oxidation of Few <sup>+</sup> Layer Black Phosphorous in a Dark Environment. <i>Angewandte Chemie</i> , 2017, 129, 9259-9263.	1.6	16
333	Confining Li <sub>2</sub> O <sub>2</sub> in tortuous pores of mesoporous cathodes to facilitate low charge overpotentials for Li-O <sub>2</sub> batteries. <i>Journal of Energy Chemistry</i> , 2021, 55, 55-61.	7.1	16
334	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
335	Control of Two-Dimensional Ordering of F16CuPc on Bi/Ag(111): Effect of Interfacial Interactions. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11234-11241.	1.5	15
336	Facile synthesis of flower-like hierarchical NiCo <sub>2</sub> O <sub>4</sub> microspheres as high-performance cathode materials for Li <sup>+</sup> O <sub>2</sub> batteries. <i>RSC Advances</i> , 2016, 6, 98867-98873.	1.7	15
337	Stabilizing surface Ag adatoms into tunable single atom arrays by terminal alkyne assembly. <i>Chemical Communications</i> , 2016, 52, 12944-12947.	2.2	15
338	Reactive Intermediates or Inert Graphene? Temperature- and Pressure-Determined Evolution of Carbon in the CH <sub>4</sub> -Ni(111) System. <i>ACS Catalysis</i> , 2017, 7, 6028-6037.	5.5	15
339	Ultrathin yet transferrable Pt- or PtRu-decorated graphene films as efficient electrocatalyst for methanol oxidation reaction. <i>Science China Materials</i> , 2019, 62, 273-282.	3.5	15
340	Chloride Ion as Redox Mediator in Reducing Charge Overpotential of Aprotic Lithium <sup>+</sup> Oxygen Batteries. <i>Batteries and Supercaps</i> , 2021, 4, 232-239.	2.4	15
341	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
342	Template-Directed Molecular Assembly on Silicon Carbide Nanomesh: Comparison Between CuPc and Pentacene. <i>ACS Nano</i> , 2010, 4, 849-854.	7.3	14

#	ARTICLE	IF	CITATIONS
343	A synchrotron-based photoemission study of the MoO <sub>3</sub> /Co interface. Journal of Chemical Physics, 2011, 134, 034706.	1.2	14
344	Biopolymer as an electron selective layer for inverted polymer solar cells. Applied Physics Letters, 2013, 103, .	1.5	14
345	Ruthenium-Functionalized Hierarchical Carbon Nanocages as Efficient Catalysts for Li-O <sub>2</sub> Batteries. ChemNanoMat, 2017, 3, 415-419.	1.5	14
346	Degenerate electron-doping in two-dimensional tungsten diselenide with a dimeric organometallic reductant. Materials Today, 2019, 30, 26-33.	8.3	14
347	Surface Charge Transfer Doping Enabled Large Hysteresis in van der Waals Heterostructures for Artificial Synapse. , 2021, 3, 235-242.		14
348	Synchrotron PES and NEXAFS studies of self-assembled aromatic thiol monolayers on Au(111). Journal of Electron Spectroscopy and Related Phenomena, 2009, 172, 54-63.	0.8	13
349	Scanning tunneling microscopy and photoelectron spectroscopy investigation of the sexithiophene:C <sub>60</sub> donor-acceptor nanostructure formation on graphite. Journal of Applied Physics, 2011, 109, 084307.	1.1	13
350	STM studies of epitaxial graphene. MRS Bulletin, 2012, 37, 1195-1202.	1.7	13
351	Tuning the interfacial hole injection barrier between p-type organic materials and Co using a MoO <sub>3</sub> buffer layer. Journal of Applied Physics, 2012, 112, 033704.	1.1	13
352	Optical and electronic structure of quasi-freestanding multilayer graphene on the carbon face of SiC. Europhysics Letters, 2014, 108, 37009.	0.7	13
353	Titania-Photocatalyzed Transfer Hydrogenation Reactions with Methanol as a Hydrogen Source: Enhanced Catalytic Performance by Pd-Pt Alloy at Ambient Temperature. ChemCatChem, 2014, 6, 454-458.	1.8	13
354	Single molecule tunneling spectroscopy investigation of reversibly switched dipolar vanadyl phthalocyanine on graphite. Applied Physics Letters, 2014, 104, .	1.5	13
355	Uniform Mesoporous Anatase Hollow Spheres: An Unexpectedly Efficient Fabrication Process and Enhanced Performance in Photocatalytic Hydrogen Evolution. Chemistry - A European Journal, 2019, 25, 10965-10970.	1.7	13
356	Alkali metal storage mechanism in organic semiconductor of perylene-3,4,9,10-tetracarboxylicdianhydride. Applied Surface Science, 2020, 524, 146396.	3.1	13
357	Controlling phase transition in WSe <sub>2</sub> towards ideal n-type transistor. Nano Research, 2021, 14, 2703-2710.	5.8	13
358	Polymer Electrolyte Dielectrics Enable Efficient Exciton-Polaron Quenching in Organic Semiconductors for Photostable Organic Transistors. ACS Applied Materials & Interfaces, 2022, 14, 13584-13592.	4.0	13
359	<i>In situ</i> photoemission spectroscopy study on formation of HfO <sub>2</sub> dielectrics on epitaxial graphene on SiC substrate. Applied Physics Letters, 2010, 96, 072111.	1.5	12
360	Band Gap Tunable N-Type Molecules for Organic Field Effect Transistors. Journal of Physical Chemistry C, 2013, 117, 11530-11539.	1.5	12

#	ARTICLE	IF	CITATIONS
361	Tuning the electronic properties of ZnO nanowire field effect transistors via surface functionalization. <i>Nanotechnology</i> , 2015, 26, 095202.	1.3	12
362	Molecular orientation and electronic structure at organic heterojunction interfaces. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 204, 12-22.	0.8	12
363	Reversible Tuning of Interfacial and Intramolecular Charge Transfer in Individual MnPc Molecules. <i>Nano Letters</i> , 2015, 15, 8091-8098.	4.5	12
364	Surfactant-free synthesis of hierarchical niobic acid microflowers assembled from ultrathin nanosheets with efficient photoactivities. <i>Applied Surface Science</i> , 2017, 392, 514-522.	3.1	12
365	Structure of Co deposited 6H-SiC(0001). <i>Surface Science</i> , 2005, 595, 107-114.	0.8	11
366	A high work function anode interfacial layer via mild temperature thermal decomposition of a C60F36 thin film on ITO. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1491.	2.7	11
367	All-carbon based graphene field effect transistor with graphitic electrodes fabricated by e-beam direct writing on PMMA. <i>Scientific Reports</i> , 2015, 5, 12198.	1.6	11
368	Tunable room-temperature ferromagnet using an iron-oxide and graphene oxide nanocomposite. <i>Scientific Reports</i> , 2015, 5, 11430.	1.6	11
369	(2,2'-Binaphthyl-6,6'-diyl)bis(diphenylphosphine oxide) as a potentially simple and efficient electron-transport layer for stable organic light-emitting diodes. <i>Organic Electronics</i> , 2016, 28, 269-274.	1.4	11
370	Atomic mechanism for the growth of wafer-scale single-crystal graphene: theoretical perspective and scanning tunneling microscopy investigations. <i>2D Materials</i> , 2017, 4, 042002.	2.0	11
371	On the shuttling mechanism of a chlorine atom in a chloroaluminum phthalocyanine based molecular switch. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22401-22405.	1.3	11
372	An in-situ spectroscopy investigation of alkali metal interaction mechanism with the imide functional group. <i>Nano Research</i> , 2020, 13, 3224-3229.	5.8	11
373	Induced C C coupling in CO <sub>2</sub> photocatalytic reduction via carbothermally reduced nonstoichiometric tungsten oxide. <i>Applied Surface Science</i> , 2020, 526, 146578.	3.1	11
374	Van der Waals Heterostructures with Tunable Tunneling Behavior Enabled by MoO <sub>3</sub> Surface Functionalization. <i>Advanced Optical Materials</i> , 2020, 8, 1901867.	3.6	11
375	Additive-Assisted Growth of Scaled and Quality 2D Materials. <i>Small</i> , 2022, 18, e2107241.	5.2	11
376	Probing the interaction at the C60-SiC nanomesh interface. <i>Surface Science</i> , 2007, 601, 2994-3002.	0.8	10
377	Band-Bending at the Graphene-SiC Interfaces: Effect of the Substrate. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 01AH05.	0.8	10
378	ZnO:Polymer Composite Material to Eliminate Kink in J-V Curves of Inverted Polymer Solar Cells. <i>ECS Solid State Letters</i> , 2014, 3, Q9-Q12.	1.4	10



#	ARTICLE	IF	CITATIONS
379	Tunable Fluorescence Properties Due to Carbon Incorporation in Zinc Oxide Nanowires. <i>Advanced Optical Materials</i> , 2017, 5, 1700381.	3.6	10
380	Oxygen-Assisted Anisotropic Chemical Etching of MoSe <sub>2</sub> for Enhanced Phototransistors. <i>Chemistry of Materials</i> , 2022, 34, 4212-4223.	3.2	10
381	High-Performance Zn Batteries Enabled by Dibenzoic Crown Aldehyde Derivative as Electrolyte Additives. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	10
382	Selective Adsorption of L-Tartaric Acid on Gemini-Type Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3049-3053.	1.5	9
383	Perylene bisimide as the cathode modifier in organic photovoltaics: the role of aggregation morphology on the interlayer performance. <i>RSC Advances</i> , 2015, 5, 39973-39977.	1.7	9
384	Anomalous Spectral Features of a Neutral Bilayer Graphene. <i>Scientific Reports</i> , 2015, 5, 10025.	1.6	9
385	Optimized growth of graphene on SiC: from the dynamic flip mechanism. <i>Nanoscale</i> , 2015, 7, 4522-4528.	2.8	9
386	Controlling the enthalpy-entropy competition in supramolecular fullerene liquid crystals by tuning the flexible chain length. <i>Chemical Communications</i> , 2017, 53, 8336-8339.	2.2	9
387	Fused computing and storage in a 2D transistor. <i>Nature Nanotechnology</i> , 2019, 14, 642-643.	15.6	9
388	Probing the Reaction Mechanism in CO <sub>2</sub> Hydrogenation on Bimetallic Ni/Cu(100) with Near-Ambient Pressure X-Ray Photoelectron Spectroscopy. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 2548-2554.	4.0	9
389	Experimental Realization of One-Dimensional Metal-Inorganic Chain: Gold-Phosphorus Chain. , 2020, 2, 873-879.		9
390	3D-Assembled rutile TiO <sub>2</sub> spheres with ic-channels for efficient lithium-ion storage. <i>Nanoscale</i> , 2021, 13, 11104-11111.	2.8	9
391	Recent advances in charge mechanism of noble metal-based cathodes for Li-O <sub>2</sub> batteries. <i>Chinese Chemical Letters</i> , 2023, 34, 107413.	4.8	9
392	Molecular interactions on epitaxial graphene. <i>Physica Scripta</i> , 2012, T146, 014007.	1.2	8
393	Potassium Doping Facilitated Formation of Tunable Superoxides in Li <sub>2</sub> O <sub>2</sub> for Improved Electrochemical Kinetics. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 4558-4564.	4.0	8
394	Atom by Atom Condensation of Sn Single Clusters within Gold-Phosphorus Metal-Inorganic Porous Networks. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 745-751.	2.1	8
395	Formation of bismuth nanodot in (4Å–4) vanadium oxide nanomesh on Pd(111). <i>Surface Science</i> , 2008, 602, 2025-2028.	0.8	7
396	Si clusters on reconstructed SiC (0001) revealed by surface extended x-ray absorption fine structure. <i>Applied Physics Letters</i> , 2009, 95, 144102.	1.5	7

#	ARTICLE	IF	CITATIONS
397	Symmetrical transition of an atomic arrangement for 2D Bi films on Rh(111). Surface Science, 2011, 605, 844-847.	0.8	7
398	Pinning-down molecules in their self-assemblies with multiple weak hydrogen bonds of C H $\hat{\alpha}$ F and C H $\hat{\alpha}$ N. Chinese Chemical Letters, 2017, 28, 525-530.	4.8	7
399	Nondestructive hole doping enabled photocurrent enhancement of layered tungsten diselenide. 2D Materials, 2019, 6, 024002.	2.0	7
400	An easily and environmentally friendly accessible small-molecule acetylenic donor for organic solar cells. Dyes and Pigments, 2019, 160, 983-988.	2.0	6
401	Atomic-Scale Local Work Function Characterizations of Br Islands on Cu(111). Journal of Physical Chemistry C, 2021, 125, 7944-7949.	1.5	6
402	Two-dimensional reconfigurable electronics enabled by asymmetric floating gate. Nano Research, 2022, 15, 4439-4447.	5.8	6
403	Metallic state in La-doped YBa $\langle$ math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" $\rangle$ $\langle$ mml:msub $\rangle$ $\langle$ mml:mrow $\rangle$ $\langle$ mml:mn $\rangle$ 2 $\langle$ /mml:mn $\rangle$ $\langle$ /mml:msub $\rangle$ $\langle$ /mml:math $\rangle$ Cu $\langle$ mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" $\rangle$ $\langle$ mml:msub $\rangle$ $\langle$ mml:mrow $\rangle$ $\langle$ mml:mn $\rangle$ 3 $\langle$ /mml:mn $\rangle$ $\langle$ /mml:msub $\rangle$ $\langle$ /mml:math $\rangle$ O $\langle$ mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" $\rangle$ $\langle$ mml:msub $\rangle$ $\langle$ mml:mrow $\rangle$ $\langle$ mml:mn $\rangle$ 2 $\langle$ /mml:mn $\rangle$ $\langle$ /mml:msub $\rangle$ $\langle$ /mml:math $\rangle$ $\langle$ mml:msub $\rangle$ $\langle$ mml:mrow $\rangle$ $\langle$ mml:mn $\rangle$ 3 $\langle$ /mml:mn $\rangle$ $\langle$ /mml:msub $\rangle$ $\langle$ /mml:math $\rangle$	1.1	5
404	Room temperature positive magnetoresistance via charge trapping in polyaniline-iron oxide nanoparticle composites. Applied Physics Letters, 2013, 103, .	1.5	5
405	Effect of Oxygen Plasma on the Optical Properties of Monolayer Graphene. Advanced Materials Research, 0, 896, 510-513.	0.3	5
406	Aqueous Metal Oxide Inks for Modifying Electrode Work Function in Polymer Solar Cells. Advanced Materials Interfaces, 2015, 2, 1500438.	1.9	5
407	Observation of complete space-charge-limited transport in metal-oxide-graphene heterostructure. Applied Physics Letters, 2015, 106, 023122.	1.5	5
408	Dipole and charge effects of chloroaluminum phthalocyanine revealed by local work function measurements at sub-molecular level. Chinese Chemical Letters, 2018, 29, 429-432.	4.8	5
409	An Investigation on the Relationship between the Stability of Lithium Anode and Lithium Nitrate in Electrolyte. Journal of the Electrochemical Society, 2019, 166, A3570-A3574.	1.3	5
410	Ultrathin Al Oxide Seed Layer for Atomic Layer Deposition of High- $\hat{\rho}$ Al $\langle$ sub $\rangle$ 2 $\langle$ /sub $\rangle$ O $\langle$ sub $\rangle$ 3 $\langle$ /sub $\rangle$ Dielectrics on Graphene. Chinese Physics Letters, 2020, 37, 076801.	1.3	5
411	Optically Controllable 2D Material/Complex Oxide Heterointerface. Advanced Science, 2020, 7, 2002393.	5.6	5
412	Native Oxide Seeded Spontaneous Integration of Dielectrics on Exfoliated Black Phosphorus. ACS Applied Materials & Interfaces, 2020, 12, 24411-24418.	4.0	5
413	Molecular-Scale Investigation of the Thermal and Chemical Stability of Monolayer PTCDA on Cu(111) and Cu(110). ACS Applied Materials & Interfaces, 2020, 12, 22327-22334.	4.0	5
414	Flexible neuromorphic electronics based on low-dimensional materials. Science China Materials, 2022, 65, 2154-2159.	3.5	5

#	ARTICLE	IF	CITATIONS
415	Surface Functionalization of Black Phosphorus with a Highly Reducing Organoruthenium Complex: Interface Properties and Enhanced Photoresponsivity of Photodetectors. <i>Chemistry - A European Journal</i> , 2020, 26, 6576-6582.	1.7	4
416	Polarity- and Pressure-Dependent Hydrogen Dynamics on ZnO Polar Surfaces Revealed by Near-Ambient-Pressure X-ray Photoelectron Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020, 124, 25431-25436.	1.5	4
417	Bioinspired Construction of Ruthenium-decorated Nitrogen-doped Graphene Aerogel as an Efficient Electrocatalyst for Hydrogen Evolution Reaction. <i>Chemical Research in Chinese Universities</i> , 2020, 36, 709-714.	1.3	4
418	Sodium-Ion Batteries: A Nanosheet Array of $\text{Cu}_2\text{Se}$ Intercalation Compound with Expanded Interlayer Space for Sodium Ion Storage ( <i>Adv. Energy Mater.</i> 25/2020). <i>Advanced Energy Materials</i> , 2020, 10, 2070113.	10.2	4
419	Ultrasensitive graphene position-sensitive detector induced by synergistic effects of charge injection and interfacial gating. <i>Nanophotonics</i> , 2020, 9, 2531-2536.	2.9	4
420	Atomic force microscopy study of hexagonal boron nitride film growth on 6H-SiC (0001). <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005, 202, 37-45.	0.8	3
421	Low-temperature scanning tunneling microscopy/ultraviolet photoelectron spectroscopy investigation of two-dimensional crystallization of C60: pentacene binary system on Ag(111). <i>Journal of Applied Physics</i> , 2012, 111, 034304.	1.1	3
422	NEXAFS Studies of Molecular Orientations at Molecule-Substrate Interfaces. , 2013, , 119-151.		3
423	Resolving molecular orbitals self-decoupled from semiconductor surfaces. <i>Chemical Science</i> , 2014, 5, 4447-4452.	3.7	3
424	LT-STM Investigation of the Self-Assembled $\text{C}_{60}/\text{CuPc}$ -Corannulene Binary System on Ag (111) and Grap. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2017, 33, 627-632.	2.2	3
425	Polysulfide-driven low charge overpotential for aprotic lithium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 8777-8784.	5.2	3
426	On-Surface Synthesis of Nitrogen-Substituted Gold-Phosphorus Porous Network. <i>Chemistry of Materials</i> , 2020, 32, 8561-8566.	3.2	3
427	Single-molecule imaging of dinitrogen molecule adsorption on individual iron phthalocyanine. <i>Nano Research</i> , 2020, 13, 2393-2398.	5.8	3
428	Fluorination-Guided Li-Anchoring Behaviors on Phthalocyanines. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8236-8243.	1.5	3
429	Pressure-dependent band-bending in ZnO: A near-ambient-pressure X-ray photoelectron spectroscopy study. <i>Journal of Energy Chemistry</i> , 2021, 60, 25-31.	7.1	3
430	Artificially created interfacial states enabled van der Waals heterostructure memory device. <i>Nanotechnology</i> , 2022, 33, 175201.	1.3	3
431	Manipulating individual dichlorotin phthalocyanine molecules on Cu(100) surface at room temperature by scanning tunneling microscopy. <i>Materials Research Express</i> , 2014, 1, 045101.	0.8	2
432	Probing fluorination promoted sodiophilic sites with model systems of $\text{F}_{16}\text{CuPc}$ and $\text{CuPc}$ . <i>Frontiers of Optoelectronics</i> , 2022, 15, 1.	1.9	2

#	ARTICLE	IF	CITATIONS
433	A photon-controlled diode with a new signal-processing behavior. National Science Review, 2022, 9, .	4.6	2
434	Synthesis of well-aligned carbon nanotubes on MCM-41. Studies in Surface Science and Catalysis, 2002, 142, 1237-1244.	1.5	1
435	Growth of Co Nanoclusters on SiC Honeycomb Templates. Materials Research Society Symposia Proceedings, 2004, 818, 305.	0.1	1
436	Ferromagnetic dot encapsulated Boron Nitride nano-structured arrays. Diamond and Related Materials, 2004, 13, 1116-1119.	1.8	1
437	NANOSCALE CHARACTERIZATION BY SCANNING TUNNELING MICROSCOPY. Cosmos, 2007, 03, 23-50.	0.4	1
438	Understanding Carrier Lifetime in Inverted Polymer Solar Cells with a Thick Electron Selective Layer. ECS Solid State Letters, 2014, 3, Q82-Q84.	1.4	1
439	Molecular Nanocorrals on Si(111)-(7Å-7): Temperature-Dependent Site Selectivity. Journal of Physical Chemistry C, 2016, 120, 24780-24788.	1.5	1
440	Sacrificial-Template-Assisted Syntheses of Aluminate and Titanate Nanonets via Interfacial Reaction Growth. Journal of Cluster Science, 2016, 27, 139-153.	1.7	1
441	Morphological Evolution of In2O3 Crystallites by Metallothermal Reaction Growth: A Unified Elucidation. Journal of Cluster Science, 2017, 28, 2733-2751.	1.7	1
442	Phosphorene. , 2022, , 121-148.		1
443	Shaping And Characterising Materials " Recent Results From Singapore Synchrotron Light Source. AIP Conference Proceedings, 2007, , .	0.3	0
444	NANOSCALE CHARACTERIZATION BY SCANNING TUNNELING MICROSCOPY. , 2009, , 25-52.		0
445	Preservation of epoxy groups on surfaces in the covalent attachment of butadiene monoxide on Si(111)-(7Å-7): the effect of a vinyl substituent. Chemical Communications, 2015, 51, 14195-14198.	2.2	0
446	Adsorption-enhanced spin-orbit coupling of buckled honeycomb silicon. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 83, 141-145.	1.3	0
447	Outside Front Cover: Volume 2 Issue 1. SmartMat, 2021, 2, i.	6.4	0
448	Atomic and Electronic Edge Structures of Monolayer Ceria on Pt(111). Journal of Physical Chemistry C, 2021, 125, 15599-15605.	1.5	0
449	ULTRAFAST CHARGE TRANSFER ACROSS MOLECULE/METAL INTERFACES BY RESONANT PHOTOEMISSION SPECTROSCOPY. Advances in Synchrotron Radiation, 2008, 01, 89-104.	0.0	0
450	MOLECULAR ORIENTATION AND ENERGY LEVEL ALIGNMENT AT THE CuPc/SAMs INTERFACE. Advances in Synchrotron Radiation, 2008, 01, 33-45.	0.0	0