

Wei Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

442
papers

28,399
citations

83
h-index

153
g-index

456
ext. papers

33,084
ext. citations

10.3
avg, IF

7.38
L-index

#	Paper	IF	Citations
442	Additive-Assisted Growth of Scaled and Quality 2D Materials.. <i>Small</i> , 2022 , e2107241	11	4
441	Atomic Tuning of Single-Atom Fe-N-C Catalysts with Phosphorus for Robust Electrochemical CO Reduction.. <i>Nano Letters</i> , 2022 ,	11.5	10
440	An S-scheme NH ₂ -UiO-66/SiC photocatalyst via microwave synthesis with improved CO ₂ reduction activity. <i>Journal of CO₂ Utilization</i> , 2022 , 55, 101806	7.6	4
439	Probing fluorination promoted sodiophilic sites with model systems of F16CuPc and CuPc. <i>Frontiers of Optoelectronics</i> , 2022 , 15, 1	2.8	0
438	Oxygen-Assisted Anisotropic Chemical Etching of MoSe ₂ for Enhanced Phototransistors. <i>Chemistry of Materials</i> , 2022 , 34, 4212-4223	9.6	2
437	Phosphorene 2022 , 121-148		
436	Recent Progress on Two-Dimensional Materials. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2021 , 2108017-0	3.8	69
435	Engineering the Coordination Environment of Single Cobalt Atoms for Efficient Oxygen Reduction and Hydrogen Evolution Reactions. <i>ACS Catalysis</i> , 2021 , 11, 4498-4509	13.1	25
434	Evoking ordered vacancies in metallic nanostructures toward a vacated Barlow packing for high-performance hydrogen evolution. <i>Science Advances</i> , 2021 , 7,	14.3	25
433	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	19.5	11
432	Cryogenic Exfoliation of 2D Stanene Nanosheets for Cancer Theranostics. <i>Nano-Micro Letters</i> , 2021 , 13, 90	19.5	22
431	Fluorination-Guided Li-Anchoring Behaviors on Phthalocyanines. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 8236-8243	3.8	1
430	Efficient photocatalytic hydrogen peroxide generation coupled with selective benzylamine oxidation over defective ZrS nanobelts. <i>Nature Communications</i> , 2021 , 12, 2039	17.4	25
429	Atomic-Scale Local Work Function Characterizations of Br Islands on Cu(111). <i>Journal of Physical Chemistry C</i> , 2021 , 125, 7944-7949	3.8	1
428	Dielectric Engineered Two-Dimensional Neuromorphic Transistors. <i>Nano Letters</i> , 2021 , 21, 3557-3565	11.5	2
427	Monodispersed Ruthenium Nanoparticles on Nitrogen-Doped Reduced Graphene Oxide for an Efficient Lithium-Oxygen Battery. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19915-19926	9.5	6
426	Two-dimensional magnetic transition metal chalcogenides. <i>SmartMat</i> , 2021 , 2, 139-153	22.8	20

4 ²⁵	Nano-bio interfaces effect of two-dimensional nanomaterials and their applications in cancer immunotherapy.. <i>Acta Pharmaceutica Sinica B</i> , 2021 , 11, 3447-3464	15.5	9
4 ²⁴	Electronic metal-support interaction modulates single-atom platinum catalysis for hydrogen evolution reaction. <i>Nature Communications</i> , 2021 , 12, 3021	17.4	102
4 ²³	An ultrasensitive molybdenum-based double-heterojunction phototransistor. <i>Nature Communications</i> , 2021 , 12, 4094	17.4	13
4 ²²	Band-tailored van der Waals heterostructure for multilevel memory and artificial synapse. <i>Information Materials</i> , 2021 , 3, 917-928	23.1	15
4 ²¹	Surface charge transfer doping for two-dimensional semiconductor-based electronic and optoelectronic devices. <i>Nano Research</i> , 2021 , 14, 1682-1697	10	21
4 ²⁰	Confining Li ₂ O ₂ in tortuous pores of mesoporous cathodes to facilitate low charge overpotentials for Li-O ₂ batteries. <i>Journal of Energy Chemistry</i> , 2021 , 55, 55-61	12	6
4 ¹⁹	Chloride Ion as Redox Mediator in Reducing Charge Overpotential of Aprotic Lithium-Oxygen Batteries. <i>Batteries and Supercaps</i> , 2021 , 4, 232-239	5.6	5
4 ¹⁸	Ohmic Contact Engineering for Two-Dimensional Materials. <i>Cell Reports Physical Science</i> , 2021 , 2, 100298	8.1	29
4 ¹⁷	3D-Assembled rutile TiO spheres with c-channels for efficient lithium-ion storage. <i>Nanoscale</i> , 2021 , 13, 11104-11111	7.7	2
4 ¹⁶	Design and Manufacture of 3D-Printed Batteries. <i>Joule</i> , 2021 , 5, 89-114	27.8	30
4 ¹⁵	Size-focusing results in highly photoluminescent sulfur quantum dots with a stable emission wavelength. <i>Nanoscale</i> , 2021 , 13, 2519-2526	7.7	10
4 ¹⁴	Controlling phase transition in WSe ₂ towards ideal n-type transistor. <i>Nano Research</i> , 2021 , 14, 2703-2710	10	1
4 ¹³	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	6.4	3
4 ¹²	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	58.5	25
4 ¹¹	Application of functionalized graphene in Li-O batteries. <i>Nanotechnology</i> , 2021 , 32, 132003	3.4	7
4 ¹⁰	Intrinsic polarization coupling in 2D Hn ₂ Se ₃ toward artificial synapse with multimode operations. <i>SmartMat</i> , 2021 , 2, 88-98	22.8	24
4 ⁰⁹	Controlling Native Oxidation of HFS for 2D Materials Based Flash Memory and Artificial Synapse. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 10639-10649	9.5	12
4 ⁰⁸	Atomic and Electronic Edge Structures of Monolayer Ceria on Pt(111). <i>Journal of Physical Chemistry C</i> , 2021 , 125, 15599-15605	3.8	

407	Facile Production of Phosphorene Nanoribbons towards Application in Lithium Metal Battery. <i>Advanced Materials</i> , 2021 , 33, e2102083	24	12
406	Recent progress in epitaxial growth of two-dimensional phosphorus. <i>SmartMat</i> , 2021 , 2, 286-298	22.8	3
405	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	12	1
404	Room Temperature Ferromagnetism of Monolayer Chromium Telluride with Perpendicular Magnetic Anisotropy. <i>Advanced Materials</i> , 2021 , 33, e2103360	24	17
403	Surface Charge Transfer Doping Enabled Large Hysteresis in van der Waals Heterostructures for Artificial Synapse 2021 , 3, 235-242		5
402	Alkali metal storage mechanism in organic semiconductor of perylene-3,4,9,10-tetracarboxylicdianhydride. <i>Applied Surface Science</i> , 2020 , 524, 146396	6.7	5
401	Identification of the Dynamic Behavior of Oxygen Vacancy-Rich CoO for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 12087-12095	16.4	279
400	Single-molecule imaging of dinitrogen molecule adsorption on individual iron phthalocyanine. <i>Nano Research</i> , 2020 , 13, 2393-2398	10	2
399	Designing Kagome Lattice from Potassium Atoms on Phosphorus-Gold Surface Alloy. <i>Nano Letters</i> , 2020 , 20, 5583-5589	11.5	9
398	Experimental Realization of One-Dimensional Metal-Inorganic Chain: Gold-Phosphorus Chain 2020 , 2, 873-879		7
397	Insights into the morphology and composition effects of one-dimensional CuPt nanostructures on the electrocatalytic activities and methanol oxidation mechanism by in situ FTIR. <i>Nanoscale</i> , 2020 , 12, 13688-13696	7.7	10
396	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	12.9	14
395	Synthesis of Monolayer Blue Phosphorus Enabled by Silicon Intercalation. <i>ACS Nano</i> , 2020 , 14, 3687-3695	16.7	28
394	Solid-Phase Microwave Reduction of WO ₃ by GO for Enhanced Synergistic Photo-Fenton Catalytic Degradation of Bisphenol A. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 32604-32614	9.5	17
393	Sodium-Ion Batteries: A Nanosheet Array of Cu ₂ Se Intercalation Compound with Expanded Interlayer Space for Sodium Ion Storage (Adv. Energy Mater. 25/2020). <i>Advanced Energy Materials</i> , 2020 , 10, 2070113	21.8	2
392	Heterostructured NiS/ZnInS Realizing Toroid-like LiO Deposition in Lithium-Oxygen Batteries with Low-Donor-Number Solvents. <i>ACS Nano</i> , 2020 , 14, 3490-3499	16.7	64
391	Out-of-Plane Homojunction Enabled High Performance SnS ₂ Lateral Phototransistor. <i>Advanced Optical Materials</i> , 2020 , 8, 1901971	8.1	18
390	Potassium Doping Facilitated Formation of Tunable Superoxides in LiO for Improved Electrochemical Kinetics. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4558-4564	9.5	6

389	Van der Waals Heterostructures with Tunable Tunneling Behavior Enabled by MoO ₃ Surface Functionalization. <i>Advanced Optical Materials</i> , 2020 , 8, 1901867	8.1	5
388	Ultrasensitive graphene-Si position-sensitive detector for motion tracking. <i>Informa[®] Materials</i> , 2020 , 2, 761-768	23.1	11
387	A Nanosheet Array of Cu ₂ Se Intercalation Compound with Expanded Interlayer Space for Sodium Ion Storage. <i>Advanced Energy Materials</i> , 2020 , 10, 2000666	21.8	33
386	Native Oxide Seeded Spontaneous Integration of Dielectrics on Exfoliated Black Phosphorus. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24411-24418	9.5	2
385	Molecular-Scale Investigation of the Thermal and Chemical Stability of Monolayer PTCDA on Cu(111) and Cu(110). <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22327-22334	9.5	4
384	Ultrasensitive graphene position-sensitive detector induced by synergistic effects of charge injection and interfacial gating. <i>Nanophotonics</i> , 2020 , 9, 2531-2536	6.3	2
383	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	19.4	9
382	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	4.8	3
381	Structure of Blue Phosphorus Grown on Au(111) Surface Revisited. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 2024-2029	3.8	19
380	Probing the Reaction Mechanism in CO Hydrogenation on Bimetallic Ni/Cu(100) with Near-Ambient Pressure X-Ray Photoelectron Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 2548-2554	9.5	1
379	Adsorption-Catalysis Design in the Lithium-Sulfur Battery. <i>Advanced Energy Materials</i> , 2020 , 10, 1903008	21.8	154
378	In-situ growth of V-shaped CoSe ₂ nanorods on graphene with CCo bonding for high-rate and long-life sodium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2020 , 819, 153359	5.7	17
377	Realization of a Buckled Antimonene Monolayer on Ag(111) via Surface Engineering. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 8976-8982	6.4	8
376	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	3.8	4
375	An in-situ spectroscopy investigation of alkali metal interaction mechanism with the imide functional group. <i>Nano Research</i> , 2020 , 13, 3224-3229	10	6
374	Induced C C coupling in CO ₂ photocatalytic reduction via carbothermally reduced nonstoichiometric tungsten oxide. <i>Applied Surface Science</i> , 2020 , 526, 146578	6.7	6
373	Stimuli-Enabled Artificial Synapses for Neuromorphic Perception: Progress and Perspectives. <i>Small</i> , 2020 , 16, e2001504	11	25
372	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	2.2	2

371	Ultrathin Al Oxide Seed Layer for Atomic Layer Deposition of High- κ Al ₂ O ₃ Dielectrics on Graphene. <i>Chinese Physics Letters</i> , 2020 , 37, 076801	1.8	2
370	On-Surface Synthesis of Nitrogen-Substituted Gold-Phosphorus Porous Network. <i>Chemistry of Materials</i> , 2020 , 32, 8561-8566	9.6	3
369	Optically Controllable 2D Material/Complex Oxide Heterointerface. <i>Advanced Science</i> , 2020 , 7, 2002393	13.6	4
368	3D-Printed Grids with Polymeric Photocatalytic System as Flexible Air Filter. <i>Applied Catalysis B: Environmental</i> , 2020 , 262, 118307	21.8	16
367	3D-printed electrodes for lithium metal batteries with high areal capacity and high-rate capability. <i>Energy Storage Materials</i> , 2020 , 24, 336-342	19.4	55
366	Electronic structure and magnetism of MTe ₂ (M = Ti, V, Cr, Mn, Fe, Co and Ni) monolayers. <i>Journal of Magnetism and Magnetic Materials</i> , 2020 , 508, 166878	2.8	12
365	Oxygen-Deficient Blue TiO ₂ for Ultrastable and Fast Lithium Storage. <i>Advanced Energy Materials</i> , 2020 , 10, 1903107	21.8	41
364	An Investigation on the Relationship between the Stability of Lithium Anode and Lithium Nitrate in Electrolyte. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A3570-A3574	3.9	4
363	Graphene-Based Infrared Position-Sensitive Detector for Precise Measurements and High-Speed Trajectory Tracking. <i>Nano Letters</i> , 2019 , 19, 8132-8137	11.5	23
362	Fused computing and storage in a 2D transistor. <i>Nature Nanotechnology</i> , 2019 , 14, 642-643	28.7	8
361	Degenerate electron-doping in two-dimensional tungsten diselenide with a dimeric organometallic reductant. <i>Materials Today</i> , 2019 , 30, 26-33	21.8	8
360	Gas-Phase Photoelectrocatalysis for Breaking Down Nitric Oxide. <i>Environmental Science & Technology</i> , 2019 , 53, 7145-7154	10.3	27
359	High-Performance Hierarchical Black-Phosphorous-Based Soft Electrochemical Actuators in Bioinspired Applications. <i>Advanced Materials</i> , 2019 , 31, e1806492	24	72
358	Microwave-Induced Metal Dissolution Synthesis of Core-Shell Copper Nanowires/ZnS for Visible Light Photocatalytic H ₂ Evolution. <i>Advanced Energy Materials</i> , 2019 , 9, 1900775	21.8	65
357	Evidence of Spin Frustration in a Vanadium Diselenide Monolayer Magnet. <i>Advanced Materials</i> , 2019 , 31, e1901185	24	85
356	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	7.1	24
355	In situ spectroscopy-guided engineering of rhodium single-atom catalysts for CO oxidation. <i>Nature Communications</i> , 2019 , 10, 1330	17.4	111
354	Effective hydrogenation of g-C ₃ N ₄ for enhanced photocatalytic performance revealed by molecular structure dynamics. <i>Applied Catalysis B: Environmental</i> , 2019 , 250, 63-70	21.8	32

353	Polysulfide-driven low charge overpotential for aprotic lithium-oxygen batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8777-8784	13	3
352	Promoting defective-Li ₂ O ₂ formation via Na doping for LiO ₂ batteries with low charge overpotentials. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10389-10396	13	15
351	Nondestructive hole doping enabled photocurrent enhancement of layered tungsten diselenide. <i>2D Materials</i> , 2019 , 6, 024002	5.9	6
350	Surface Engineering of Two-Dimensional Materials. <i>ChemNanoMat</i> , 2019 , 5, 6-23	3.5	15
349	An easily and environmentally friendly accessible small-molecule acetylenic donor for organic solar cells. <i>Dyes and Pigments</i> , 2019 , 160, 983-988	4.6	4
348	Wafer-scale and deterministic patterned growth of monolayer MoS ₂ via vapor-liquid-solid method. <i>Nanoscale</i> , 2019 , 11, 16122-16129	7.7	40
347	Surface passivation of black phosphorus via van der Waals stacked PTCDA. <i>Applied Surface Science</i> , 2019 , 496, 143688	6.7	17
346	Highly Stable Two-Dimensional Tin(II) Iodide Hybrid Organic-Inorganic Perovskite Based on Stilbene Derivative. <i>Advanced Functional Materials</i> , 2019 , 29, 1904810	15.6	36
345	Reversible Oxidation of Blue Phosphorus Monolayer on Au(111). <i>Nano Letters</i> , 2019 , 19, 5340-5346	11.5	21
344	Metallic 1T Phase, 3d Electronic Configuration and Charge Density Wave Order in Molecular Beam Epitaxy Grown Monolayer Vanadium DiteLLuride. <i>ACS Nano</i> , 2019 , 13, 12894-12900	16.7	29
343	Anomalous Broadband Spectrum Photodetection in 2D Rhenium Disulfide Transistor. <i>Advanced Optical Materials</i> , 2019 , 7, 1901115	8.1	26
342	Defect chemistry in 2D materials for electrocatalysis. <i>Materials Today Energy</i> , 2019 , 12, 215-238	7	62
341	Near-Infrared Photoelectric Properties of Multilayer BiOSe Nanofilms. <i>Nanoscale Research Letters</i> , 2019 , 14, 371	5	14
340	Uniform and ultrathin high- κ gate dielectrics for two-dimensional electronic devices. <i>Nature Electronics</i> , 2019 , 2, 563-571	28.4	93
339	Stable, carrier separation tailorable conjugated microporous polymers as a platform for highly efficient photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 245, 114-121	21.8	40
338	Highly Crystalline K-Intercalated Polymeric Carbon Nitride for Visible-Light Photocatalytic Alkenes and Alkynes Deuterations. <i>Advanced Science</i> , 2019 , 6, 1801403	13.6	40
337	Recent advances in one-dimensional nanostructures for energy electrocatalysis. <i>Chinese Journal of Catalysis</i> , 2019 , 40, 4-22	11.3	31
336	Defect Chemistry in Discharge Products of LiO ₂ Batteries. <i>Small Methods</i> , 2019 , 3, 1800358	12.8	24

335	3D-Printed MOF-Derived Hierarchically Porous Frameworks for Practical High-Energy Density LiO ₂ Batteries. <i>Advanced Functional Materials</i> , 2019 , 29, 1806658	15.6	138
334	Black phosphorus inverter devices enabled by in-situ aluminum surface modification. <i>Nano Research</i> , 2019 , 12, 531-536	10	26
333	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	7.1	10
332	Efficient synergism of electrocatalysis and physical confinement leading to durable high-power lithium-sulfur batteries. <i>Nano Energy</i> , 2019 , 57, 34-40	17.1	73
331	Uniform Mesoporous Anatase Hollow Spheres: An Unexpectedly Efficient Fabrication Process and Enhanced Performance in Photocatalytic Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2019 , 25, 10965-10970	4.8	12
330	Two-dimensional transition metal dichalcogenides: interface and defect engineering. <i>Chemical Society Reviews</i> , 2018 , 47, 3100-3128	58.5	381
329	Vapour-liquid-solid growth of monolayer MoS nanoribbons. <i>Nature Materials</i> , 2018 , 17, 535-542	27	185
328	Single-atom catalysts and their applications in organic chemistry. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8793-8814	13	100
327	Atomically dispersed Ni(i) as the active site for electrochemical CO ₂ reduction. <i>Nature Energy</i> , 2018 , 3, 140-147	62.3	1046
326	Direct Observation of Semiconductor-Metal Phase Transition in Bilayer Tungsten Diselenide Induced by Potassium Surface Functionalization. <i>ACS Nano</i> , 2018 , 12, 2070-2077	16.7	32
325	Unraveling Charge State of Supported Au Single-Atoms during CO Oxidation. <i>Journal of the American Chemical Society</i> , 2018 , 140, 554-557	16.4	134
324	Quasi-Monolayer Black Phosphorus with High Mobility and Air Stability. <i>Advanced Materials</i> , 2018 , 30, 1704619	24	62
323	Temperature- and Phase-Dependent Phonon Renormalization in 1T'-MoS. <i>ACS Nano</i> , 2018 , 12, 5051-5058	6.7	39
322	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	13.6	126
321	Emergence of photoluminescence on bulk MoS ₂ by laser thinning and gold particle decoration. <i>Nano Research</i> , 2018 , 11, 4574-4586	10	24
320	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	3.6	27
319	Two-dimensional multibit optoelectronic memory with broadband spectrum distinction. <i>Nature Communications</i> , 2018 , 9, 2966	17.4	131
318	Engineering the Electronic Structure of MoS ₂ Nanorods by N and Mn Dopants for Ultra-Efficient Hydrogen Production. <i>ACS Catalysis</i> , 2018 , 8, 7585-7592	13.1	111

317	Selective reduction of CO ₂ by conductive MOF nanosheets as an efficient co-catalyst under visible light illumination. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 339-345	21.8	110
316	2D Phosphorene: Epitaxial Growth and Interface Engineering for Electronic Devices. <i>Advanced Materials</i> , 2018 , 30, e1802207	24	42
315	Atomic engineering of high-density isolated Co atoms on graphene with proximal-atom controlled reaction selectivity. <i>Nature Communications</i> , 2018 , 9, 3197	17.4	105
314	Abnormal Near-Infrared Absorption in 2D Black Phosphorus Induced by Ag Nanoclusters Surface Functionalization. <i>Advanced Materials</i> , 2018 , 30, e1801931	24	35
313	Catalytic Intermediates of CO Hydrogenation on Cu(111) Probed by In Operando Near-Ambient Pressure Technique. <i>Chemistry - A European Journal</i> , 2018 , 24, 16097-16103	4.8	16
312	Observation of superconductivity in structure-selected Ti ₂ O ₃ thin films. <i>NPG Asia Materials</i> , 2018 , 10, 522-532	10.3	20
311	Directed Graphene-Based Nanoplatfoms for Hyperthermia: Overcoming Multiple Drug Resistance. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11198-11202	16.4	57
310	Directed Graphene-Based Nanoplatfoms for Hyperthermia: Overcoming Multiple Drug Resistance. <i>Angewandte Chemie</i> , 2018 , 130, 11368-11372	3.6	17
309	Dipole and charge effects of chloroaluminum phthalocyanine revealed by local work function measurements at sub-molecular level. <i>Chinese Chemical Letters</i> , 2018 , 29, 429-432	8.1	5
308	Two-dimensional black phosphorus: its fabrication, functionalization and applications. <i>Nanoscale</i> , 2018 , 10, 21575-21603	7.7	54
307	Unveiling the Role of Defects on Oxygen Activation and Photodegradation of Organic Pollutants. <i>Environmental Science & Technology</i> , 2018 , 52, 13879-13886	10.3	110
306	Single Nickel Atoms Anchored on Nitrogen-Doped Graphene as a Highly Active Cocatalyst for Photocatalytic H ₂ Evolution. <i>ACS Catalysis</i> , 2018 , 8, 11863-11874	13.1	124
305	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	13.6	22
304	Nonvolatile and Programmable Photodoping in MoTe for Photoresist-Free Complementary Electronic Devices. <i>Advanced Materials</i> , 2018 , 30, e1804470	24	49
303	Bimetal MOF derived mesocrystal ZnCo ₂ O ₄ on rGO with High performance in visible-light photocatalytic NO oxidization. <i>Applied Catalysis B: Environmental</i> , 2018 , 236, 304-313	21.8	80
302	Free-Standing 2D Hexagonal Aluminum Nitride Dielectric Crystals for High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2018 , 30, e1801891	24	20
301	Recent advances in graphene-based nanomaterials for fabricating electrochemical hydrogen peroxide sensors. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 249-268	11.8	243
300	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	5.3	63

299	Significantly enhanced optoelectronic performance of tungsten diselenide phototransistor via surface functionalization. <i>Nano Research</i> , 2017 , 10, 1282-1291	10	22
298	Oxygen induced strong mobility modulation in few-layer black phosphorus. <i>2D Materials</i> , 2017 , 4, 021007	3.9	40
297	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	6.4	139
296	Ruthenium-Functionalized Hierarchical Carbon Nanocages as Efficient Catalysts for Li-O ₂ Batteries. <i>ChemNanoMat</i> , 2017 , 3, 415-419	3.5	12
295	Synthesis of porous CoMoO nanorods as a bifunctional cathode catalyst for a Li-O battery and superior anode for a Li-ion battery. <i>Nanoscale</i> , 2017 , 9, 3898-3904	7.7	44
294	Effect of oxygen adsorbability on the control of Li ₂ O ₂ growth in Li-O ₂ batteries: Implications for cathode catalyst design. <i>Nano Energy</i> , 2017 , 36, 68-75	17.1	69
293	Electron transport and visible light absorption in a plasmonic photocatalyst based on strontium niobate. <i>Nature Communications</i> , 2017 , 8, 15070	17.4	48
292	Growth of Quasi-Free-Standing Single-Layer Blue Phosphorus on Tellurium Monolayer Functionalized Au(111). <i>ACS Nano</i> , 2017 , 11, 4943-4949	16.7	92
291	Phosphorus Nanostripe Arrays on Cu(110): A Case Study to Understand the Substrate Effect on the Phosphorus thin Film Growth. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1601167	4.6	13
290	Water-Catalyzed Oxidation of Few-Layer Black Phosphorous in a Dark Environment. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9131-9135	16.4	115
289	Surface Functionalization of Black Phosphorus via Potassium toward High-Performance Complementary Devices. <i>Nano Letters</i> , 2017 , 17, 4122-4129	11.5	99
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