

Xue-Feng Yu

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.

236
papers

13,444
citations

58
h-index

111
g-index

252
ext. papers

16,052
ext. citations

9.4
avg, IF

6.8
L-index

#	Paper	IF	Citations
236	Size-dependent flame retardancy of black phosphorus nanosheets.. <i>Nanoscale</i> , 2022 , 14, 2599-2604	7.7	1
235	Molybdenum Diphosphide Nanorods with Laser-Potentiated Peroxidase Catalytic/Mild-Photothermal Therapy of Oral Cancer (Adv. Sci. 1/2022). <i>Advanced Science</i> , 2022 , 9, 2270007	13.6	7
234	Finite phosphorene derived partial reduction of metal organic framework nanofoams for enhanced lithium storage capability. <i>Journal of Power Sources</i> , 2022 , 525, 231025	8.9	
233	Detection of serum phospholipids by microchannel-integrated black phosphorus-assisted laser desorption/ionization mass spectrometry. <i>Talanta</i> , 2022 , 237, 122978	6.2	2
232	In situ preparation of Mn-doped perovskite nanocrystalline films and application to white light emitting devices. <i>Journal of Colloid and Interface Science</i> , 2022 , 606, 1163-1169	9.3	4
231	Sensitive direct x-ray detectors based on the InGaZnO/perovskite heterojunction phototransistor. <i>Flexible and Printed Electronics</i> , 2022 , 7, 014013	3.1	2
230	Surface and interface control of black phosphorus. <i>Chem</i> , 2022 , 8, 632-662	16.2	2
229	Topochemical Synthesis of Copper Phosphide Nanoribbons for Flexible Optoelectronic Memristors (Adv. Funct. Mater. 14/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270087	15.6	
228	Ultralow Light-Power Consuming Photonic Synapses Based on Ultrasensitive Perovskite/Indium-Gallium-Zinc-Oxide Heterojunction Phototransistors. <i>Advanced Electronic Materials</i> , 2022 , 8, 2100902	6.4	5
227	Synthesis and Properties of Shape-Stabilized Phase Change Materials Based on Poly(triallyl isocyanurate-silicone)/-Octadecane Composites.. <i>ACS Omega</i> , 2022 , 7, 14952-14960	3.9	
226	A water-soluble membrane for SARS-CoV-2 viral nucleic acid sampling and detection. <i>Nanoscale</i> , 2021 , 13, 18084-18088	7.7	
225	Activating Carbon Nitride by BP@Ni for the Enhanced Photocatalytic Hydrogen Evolution and Selective Benzyl Alcohol Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 50988-50995	9.5	1
224	2D materials inks toward smart flexible electronics. <i>Materials Today</i> , 2021 , 50, 116-116	21.8	14
223	Molybdenum Diphosphide Nanorods with Laser-Potentiated Peroxidase Catalytic/Mild-Photothermal Therapy of Oral Cancer. <i>Advanced Science</i> , 2021 , e2101527	13.6	4
222	Machine Learning-Aided Crystal Facet Rational Design with Ionic Liquid Controllable Synthesis. <i>Small</i> , 2021 , 17, e2100024	11	8
221	High-capacity and small-polarization aluminum organic batteries based on sustainable quinone-based cathodes with Al ³⁺ insertion. <i>Cell Reports Physical Science</i> , 2021 , 2, 100354	6.1	14
220	Whole-Brain Mapping the Direct Inputs of Dorsal and Ventral CA1 Projection Neurons. <i>Frontiers in Neural Circuits</i> , 2021 , 15, 643230	3.5	4

219	Opportunities and challenges for aqueous metal-proton batteries. <i>Matter</i> , 2021 , 4, 1252-1273	12.7	10
218	Unveiling a Hidden Event in Fluorescence Correlative Microscopy by AFM Nanomechanical Analysis. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 669361	5.6	0
217	Optoelectronic Artificial Synapses Based on Two-Dimensional Transitional-Metal Trichalcogenide. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30797-30805	9.5	14
216	Black phosphorous nanosheet: A novel immune-potentiating nanoadjuvant for near-infrared-improved immunotherapy. <i>Biomaterials</i> , 2021 , 273, 120788	15.6	13
215	Editing the Shape Morphing of Monocomponent Natural Polysaccharide Hydrogel Films. <i>Research</i> , 2021 , 2021, 9786128	7.8	8
214	Silicon monophosphides with controlled size and crystallinity for enhanced lithium anodic performance. <i>Nanoscale</i> , 2021 , 13, 51-58	7.7	5
213	Complete ablation of resistant tumors with photosensitive black phosphorus quantum dots-based lipid nanocapsules. <i>Chemical Engineering Journal</i> , 2021 , 421, 127879	14.7	1
212	A versatile solar-powered vapor generating membrane for multi-media purification. <i>Separation and Purification Technology</i> , 2021 , 260, 117952	8.3	4
211	Black phosphorus: Versatile two-dimensional materials in cancer therapies. <i>View</i> , 2021 , 2, 20200043	7.8	4
210	Cells nanomechanics by atomic force microscopy: focus on interactions at nanoscale. <i>Advances in Physics: X</i> , 2021 , 6, 1866668	5.1	2
209	Detection of coronavirus in environmental surveillance and risk monitoring for pandemic control. <i>Chemical Society Reviews</i> , 2021 , 50, 3656-3676	58.5	16
208	Synthetic preparations and atomic scale engineering of silver nanoparticles for biomedical applications. <i>Nanoscale</i> , 2021 , 13, 13923-13942	7.7	5
207	Rapid detection of SARS-CoV-2 viral nucleic acids based on surface enhanced infrared absorption spectroscopy. <i>Nanoscale</i> , 2021 , 13, 10133-10142	7.7	5
206	Atomically Dispersed Indium Sites for Selective CO Electroreduction to Formic Acid. <i>ACS Nano</i> , 2021 , 15, 5671-5678	16.7	38
205	The data-intensive scientific revolution occurring where two-dimensional materials meet machine learning. <i>Cell Reports Physical Science</i> , 2021 , 2, 100482	6.1	6
204	Ultrathin and Ultrasensitive Direct X-ray Detector Based on Heterojunction Phototransistors. <i>Advanced Materials</i> , 2021 , 33, e2101717	24	15
203	Intrinsic bioactivity of black phosphorus nanomaterials on mitotic centrosome destabilization through suppression of PLK1 kinase. <i>Nature Nanotechnology</i> , 2021 , 16, 1150-1160	28.7	15
202	Integration of data-intensive, machine learning and robotic experimental approaches for accelerated discovery of catalysts in renewable energy-related reactions. <i>Materials Reports Energy</i> , 2021 , 1, 100049		2

201	Subsurface intercalation activating basal plane of black phosphorus for nitrogen reduction. <i>Journal of Energy Chemistry</i> , 2021 , 60, 293-299	12	4
200	Photothermal and Enhanced Photocatalytic Therapies Conduce to Synergistic Anticancer Phototherapy with Biodegradable Titanium Diselenide Nanosheets. <i>Small</i> , 2021 , 17, e2103239	11	4
199	Strategy for improving the activity and selectivity of CO ₂ electroreduction on flexible carbon materials for carbon neutral. <i>Applied Energy</i> , 2021 , 298, 117196	10.7	2
198	Lattice contraction tailoring in perovskite oxides towards improvement of oxygen electrode catalytic activity. <i>Chemical Engineering Journal</i> , 2021 , 421, 129698	14.7	8
197	Black Phosphorus Based Multicolor Light-Modulated Transparent Memristor with Enhanced Resistive Switching Performance. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25108-25114	9.5	15
196	Photochemical Activity of Black Phosphorus for Near-Infrared Light Controlled In Situ Biomineralization. <i>Advanced Science</i> , 2020 , 7, 2000439	13.6	21
195	Crystalline Red Phosphorus Nanoribbons: Large-Scale Synthesis and Electrochemical Nitrogen Fixation. <i>Angewandte Chemie</i> , 2020 , 132, 14489-14493	3.6	1
194	Sensitive and selective ctDNA detection based on functionalized black phosphorus nanosheets. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112384	11.8	15
193	Nitrogen Dioxide Gas Sensor Based on Liquid-Phase-Exfoliated Black Phosphorus Nanosheets. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6440-6447	5.6	12
192	Photoelectrochemical Ammonia Synthesis: Photoelectrochemical Synthesis of Ammonia with Black Phosphorus (Adv. Funct. Mater. 24/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070156	15.6	1
191	Crystalline Red Phosphorus Nanoribbons: Large-Scale Synthesis and Electrochemical Nitrogen Fixation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14383-14387	16.4	35
190	Improved microwave absorption performance of a multi-dimensional Fe ₂ O ₃ /CNTCM@CN assembly achieved by enhanced dielectric relaxation. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5715-5726	7.1	11
189	Property-Activity Relationship of Black Phosphorus at the Nano-Bio Interface: From Molecules to Organisms. <i>Chemical Reviews</i> , 2020 , 120, 2288-2346	68.1	73
188	Edge-Rich Black Phosphorus for Photocatalytic Nitrogen Fixation. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1052-1058	6.4	36
187	Black Phosphorus All-Fiber Sensor for Highly Responsive Humidity Detection. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 1900697	2.5	13
186	Photoelectrochemical Synthesis of Ammonia with Black Phosphorus. <i>Advanced Functional Materials</i> , 2020 , 30, 2002731	15.6	38
185	The electrical, thermal, and thermoelectric properties of black phosphorus. <i>APL Materials</i> , 2020 , 8, 120903	9.7	5
184	Mechanical properties and applications of 2D black phosphorus. <i>Journal of Applied Physics</i> , 2020 , 128, 230903	2.5	7

183	Hierarchical coupling effect in hollow Ni/NiFe ₂ O ₄ -CNTs microsphere via spray-drying for enhanced oxygen evolution electrocatalysis. <i>Nano Research</i> , 2020 , 13, 437-446	10	27
182	Biodegradable Bi O Se Quantum Dots for Photoacoustic Imaging-Guided Cancer Photothermal Therapy. <i>Small</i> , 2020 , 16, e1905208	11	34
181	From Octahedron Crystals to 2D Silicon Nanosheets: Facet-Selective Cleavage and Biophotonic Applications. <i>Small</i> , 2020 , 16, e2003594	11	5
180	Magnetic Iron Oxide Nanoparticle (IONP) Synthesis to Applications: Present and Future. <i>Materials</i> , 2020 , 13,	3.5	48
179	Mediated Drug Release from Nanovehicles by Black Phosphorus Quantum Dots for Efficient Therapy of Chronic Obstructive Pulmonary Disease. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20568-20576	16.4	27
178	Calcium Phosphate Mineralized Black Phosphorous with Enhanced Functionality and Anticancer Bioactivity. <i>Advanced Functional Materials</i> , 2020 , 30, 2003069	15.6	20
177	Polarization-enhanced three-dimensional Co ₃ O ₄ /MoO ₂ /C flowers as efficient microwave absorbers. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 10248-10256	7.1	8
176	Insight into the overpotentials of electrocatalytic hydrogen evolution on black phosphorus decorated with metal clusters. <i>Electrochimica Acta</i> , 2020 , 358, 136902	6.7	1
175	Intercalator-assisted plasma-liquid technology: an efficient exfoliation method for few-layer two-dimensional materials. <i>Science China Materials</i> , 2020 , 63, 2079-2085	7.1	2
174	Understanding angle-resolved polarized Raman scattering from black phosphorus at normal and oblique laser incidences. <i>Science Bulletin</i> , 2020 , 65, 1894-1900	10.6	11
173	Mediated Drug Release from Nanovehicles by Black Phosphorus Quantum Dots for Efficient Therapy of Chronic Obstructive Pulmonary Disease. <i>Angewandte Chemie</i> , 2020 , 132, 20749-20757	3.6	1
172	Phase-Changing Microcapsules Incorporated with Black Phosphorus for Efficient Solar Energy Storage. <i>Advanced Science</i> , 2020 , 7, 2000602	13.6	38
171	MOF-derived yolk-shell Ni@C@ZnO Schottky contact structure for enhanced microwave absorption. <i>Chemical Engineering Journal</i> , 2020 , 383, 123099	14.7	207
170	3D hierarchical local heterojunction of MoS ₂ /FeS ₂ for enhanced microwave absorption. <i>Chemical Engineering Journal</i> , 2020 , 379, 122241	14.7	79
169	Bioactive phospho-therapy with black phosphorus for tumor suppression. <i>Theranostics</i> , 2020 , 10, 4720-4736	11	11
168	Facile mass production of self-supported two-dimensional transition metal oxides for catalytic applications. <i>Chemical Communications</i> , 2019 , 55, 11406-11409	5.8	7
167	Modulation of Phosphorene for Optimal Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37787-37795	9.5	24
166	GdVO:Eu,Bi Nanoparticles as a Contrast Agent for MRI and Luminescence Bioimaging. <i>ACS Omega</i> , 2019 , 4, 15806-15814	3.9	10

165	Synthesis of high-quality black phosphorus sponges for all-solid-state supercapacitors. <i>Materials Horizons</i> , 2019 , 6, 176-181	14.4	39
164	Black Phosphorus Nanomaterials Regulate the Aggregation of Amyloid- β . <i>ChemNanoMat</i> , 2019 , 5, 606-611	3.5	11
163	Synergistic Antibacterial Activity of Black Phosphorus Nanosheets Modified with Titanium Aminobenzenesulfonato Complexes. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1202-1209	5.6	25
162	Morphology-controlled synthesis and excellent microwave absorption performance of ZnCoO nanostructures via a self-assembly process of flake units. <i>Nanoscale</i> , 2019 , 11, 2694-2702	7.7	103
161	Inherent Chemotherapeutic Anti-Cancer Effects of Low-Dimensional Nanomaterials. <i>Chemistry - A European Journal</i> , 2019 , 25, 10995-11006	4.8	8
160	Plasma treatment of polyether-ether-ketone: A means of obtaining desirable biomedical characteristics. <i>European Polymer Journal</i> , 2019 , 118, 561-577	5.2	12
159	InSe Nanosheets for Efficient NIR-II-Responsive Drug Release. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27521-27528	9.5	19
158	Optical and Optoelectronic Properties of Black Phosphorus and Recent Photonic and Optoelectronic Applications. <i>Small Methods</i> , 2019 , 3, 1900165	12.8	43
157	Recent Advances in Quantum Effects of 2D Materials. <i>Advanced Quantum Technologies</i> , 2019 , 2, 1800111	4.3	19
156	Black phosphorus based fiber optic biosensor for ultrasensitive cancer diagnosis. <i>Biosensors and Bioelectronics</i> , 2019 , 137, 140-147	11.8	32
155	Enhanced Microwave Absorption Performance from Magnetic Coupling of Magnetic Nanoparticles Suspended within Hierarchically Tubular Composite. <i>Advanced Functional Materials</i> , 2019 , 29, 1901448	15.6	321
154	Elastic properties and intrinsic strength of two-dimensional InSe flakes. <i>Nanotechnology</i> , 2019 , 30, 3357034	3.4	16
153	Template growth of Au/Ag nanocomposites on phosphorene for sensitive SERS detection of pesticides. <i>Nanotechnology</i> , 2019 , 30, 275604	3.4	11
152	A Novel Hybrid-Layered Organic Phototransistor Enables Efficient Intermolecular Charge Transfer and Carrier Transport for Ultrasensitive Photodetection. <i>Advanced Materials</i> , 2019 , 31, e1900763	24	61
151	Black Phosphorus: Thickness-Dependent Structural Stability and Anisotropy of Black Phosphorus (Adv. Electron. Mater. 3/2019). <i>Advanced Electronic Materials</i> , 2019 , 5, 1970012	6.4	
150	Oriented Polarization Tuning Broadband Absorption from Flexible Hierarchical ZnO Arrays Vertically Supported on Carbon Cloth. <i>Small</i> , 2019 , 15, e1900900	11	133
149	Modification of Layered Graphitic Carbon Nitride by Nitrogen Plasma for Improved Electrocatalytic Hydrogen Evolution. <i>Nanomaterials</i> , 2019 , 9,	5.4	11
148	Direct Synthesis of Metal-Doped Phosphorene with Enhanced Electrocatalytic Hydrogen Evolution. <i>Small Methods</i> , 2019 , 3, 1900083	12.8	34

147	Electrostatic Self-Assembly of TiCT MXene and Gold Nanorods as an Efficient Surface-Enhanced Raman Scattering Platform for Reliable and High-Sensitivity Determination of Organic Pollutants. <i>ACS Sensors</i> , 2019 , 4, 2303-2310	9.2	53
146	Filtration-based water treatment system embedded with black phosphorus for NIR-triggered disinfection. <i>Environmental Science: Nano</i> , 2019 , 6, 2977-2985	7.1	7
145	Conductive-network enhanced microwave absorption performance from carbon coated defect-rich Fe ₂ O ₃ anchored on multi-wall carbon nanotubes. <i>Carbon</i> , 2019 , 155, 298-308	10.4	66
144	Boosted Interfacial Polarization from Multishell TiO @Fe O @PPy Heterojunction for Enhanced Microwave Absorption. <i>Small</i> , 2019 , 15, e1902885	11	167
143	Black Phosphorus-Based Multimodal Nanoagent: Showing Targeted Combinatory Therapeutics against Cancer Metastasis. <i>Nano Letters</i> , 2019 , 19, 5587-5594	11.5	51
142	Rapid Activation of Platinum with Black Phosphorus for Efficient Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 19060-19066	16.4	51
141	Rapid Activation of Platinum with Black Phosphorus for Efficient Hydrogen Evolution. <i>Angewandte Chemie</i> , 2019 , 131, 19236-19242	3.6	2
140	Reversal in optical nonlinearities of BiSe nanosheets dispersion influenced by resonance absorption. <i>Optics Express</i> , 2019 , 27, 21741-21749	3.3	1
139	Black Phosphorus: An Effective Feedstock for the Synthesis of Phosphorus-Based Chemicals. <i>CCS Chemistry</i> , 2019 , 1, 166-172	7.2	5
138	Rapid and scalable production of high-quality phosphorene by plasma-liquid technology. <i>Chemical Communications</i> , 2019 , 56, 221-224	5.8	15
137	Ferromagnetic Co ₂₀ Ni ₈₀ nanoparticles encapsulated inside reduced graphene oxide layers with superior microwave absorption performance. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2943-2953	7.1	51
136	Thickness-Dependent Structural Stability and Anisotropy of Black Phosphorus. <i>Advanced Electronic Materials</i> , 2019 , 5, 1800712	6.4	8
135	A Low-Cost Metal-Free Photocatalyst Based on Black Phosphorus. <i>Advanced Science</i> , 2019 , 6, 1801321	13.6	55
134	pH-Dependent Degradation of Layered Black Phosphorus: Essential Role of Hydroxide Ions. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 467-471	16.4	37
133	Black Phosphorus: Bioactive Nanomaterials with Inherent and Selective Chemotherapeutic Effects. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 769-774	16.4	73
132	Air-stable n-doped black phosphorus transistor by thermal deposition of metal adatoms. <i>Nanotechnology</i> , 2019 , 30, 135201	3.4	13
131	Molybdenum diselenide/black phosphorus heterostructures for electrocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2019 , 467-468, 328-334	6.7	34
130	Gold-patterned microarray chips for ultrasensitive surface-enhanced Raman scattering detection of ultratrace samples. <i>Journal of Raman Spectroscopy</i> , 2019 , 50, 26-33	2.3	8

129	Biodegradable near-infrared-photoresponsive shape memory implants based on black phosphorus nanofillers. <i>Biomaterials</i> , 2018 , 164, 11-21	15.6	73
128	Black-Phosphorus-Incorporated Hydrogel as a Sprayable and Biodegradable Photothermal Platform for Postsurgical Treatment of Cancer. <i>Advanced Science</i> , 2018 , 5, 1700848	13.6	199
127	Stable black phosphorus/BiO heterostructures for synergistic cancer radiotherapy. <i>Biomaterials</i> , 2018 , 171, 12-22	15.6	70
126	In situ growth of all-inorganic perovskite nanocrystals on black phosphorus nanosheets. <i>Chemical Communications</i> , 2018 , 54, 2365-2368	5.8	30
125	Recent advances in cell-mediated nanomaterial delivery systems for photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2018 , 6, 1296-1311	7.3	17
124	In-Plane Black Phosphorus/Dicobalt Phosphide Heterostructure for Efficient Electrocatalysis. <i>Angewandte Chemie</i> , 2018 , 130, 2630-2634	3.6	43
123	In-Plane Black Phosphorus/Dicobalt Phosphide Heterostructure for Efficient Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2600-2604	16.4	159
122	Lanthanide-Coordinated Black Phosphorus. <i>Small</i> , 2018 , 14, e1801405	11	49
121	Black Phosphorus: Lanthanide-Coordinated Black Phosphorus (Small 29/2018). <i>Small</i> , 2018 , 14, 1870134	11	2
120	Morphological control of gold nanorods via thermally driven bi-surfactant growth and application for detection of heavy metal ions. <i>Nanotechnology</i> , 2018 , 29, 334001	3.4	5
119	Vivid structural colors from long-range ordered and carbon-integrated colloidal photonic crystals. <i>Optics Express</i> , 2018 , 26, 27001-27013	3.3	4
118	2D Material-Based Nanofibrous Membrane for Photothermal Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1155-1163	9.5	22
117	Few-Layered Black Phosphorus: From Fabrication and Customization to Biomedical Applications. <i>Small</i> , 2018 , 14, 1702830	11	56
116	Black phosphorus integrated tilted fiber grating for ultrasensitive heavy metal sensing. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 1093-1098	8.5	36
115	A Unique Disintegration-Reassembly Route to Mesoporous Titania Nanocrystalline Hollow Spheres with Enhanced Photocatalytic Activity. <i>Advanced Functional Materials</i> , 2018 , 28, 1704208	15.6	32
114	Sequentially Triggered Delivery System of Black Phosphorus Quantum Dots with Surface Charge-Switching Ability for Precise Tumor Radiosensitization. <i>ACS Nano</i> , 2018 , 12, 12401-12415	16.7	70
113	A CRISPR-Cas9-triggered strand displacement amplification method for ultrasensitive DNA detection. <i>Nature Communications</i> , 2018 , 9, 5012	17.4	148
112	pH-Dependent Degradation of Layered Black Phosphorus: Essential Role of Hydroxide Ions. <i>Angewandte Chemie</i> , 2018 , 131, 477	3.6	

111	Black Phosphorus: Bioactive Nanomaterials with Inherent and Selective Chemotherapeutic Effects. <i>Angewandte Chemie</i> , 2018 , 131, 779	3.6	4
110	Black Phosphorus/Platinum Heterostructure: A Highly Efficient Photocatalyst for Solar-Driven Chemical Reactions. <i>Advanced Materials</i> , 2018 , 30, e1803641	24	77
109	Mapping the elastic properties of two-dimensional MoS ₂ via bimodal atomic force microscopy and finite element simulation. <i>Npj Computational Materials</i> , 2018 , 4,	10.9	41
108	Synthesis of lipid-black phosphorus quantum dot bilayer vesicles for near-infrared-controlled drug release. <i>Chemical Communications</i> , 2018 , 54, 6060-6063	5.8	37
107	Enhanced Cytosolic Delivery and Release of CRISPR/Cas9 by Black Phosphorus Nanosheets for Genome Editing. <i>Angewandte Chemie</i> , 2018 , 130, 10425-10429	3.6	26
106	Enhanced Cytosolic Delivery and Release of CRISPR/Cas9 by Black Phosphorus Nanosheets for Genome Editing. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10268-10272	16.4	106
105	Near-infrared light-triggered drug delivery system based on black phosphorus for in vivo bone regeneration. <i>Biomaterials</i> , 2018 , 179, 164-174	15.6	72
104	Bilayer Bismuth Selenide nanoplatelets based saturable absorber for ultra-short pulse generation (Invited). <i>Optics Communications</i> , 2017 , 395, 55-60	2	21
103	TiL-Coordinated Black Phosphorus Quantum Dots as an Efficient Contrast Agent for In Vivo Photoacoustic Imaging of Cancer. <i>Small</i> , 2017 , 13, 1602896	11	198
102	Ultraviolet saturable absorption and ultrafast carrier dynamics in ultrasmall black phosphorus quantum dots. <i>Nanoscale</i> , 2017 , 9, 4683-4690	7.7	83
101	Size-dependent nonlinear optical properties of black phosphorus nanosheets and their applications in ultrafast photonics. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3007-3013	7.1	121
100	Different-sized black phosphorus nanosheets with good cytocompatibility and high photothermal performance. <i>RSC Advances</i> , 2017 , 7, 14618-14624	3.7	47
99	Efficient Enrichment and Self-Assembly of Hybrid Nanoparticles into Removable and Magnetic SERS Substrates for Sensitive Detection of Environmental Pollutants. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7472-7480	9.5	54
98	Plasmon-Enhanced Fluorescence of Rare Earth Nanocrystals. <i>International Journal of Behavioral and Consultation Therapy</i> , 2017 , 15-37	0.6	
97	Cell-borne 2D nanomaterials for efficient cancer targeting and photothermal therapy. <i>Biomaterials</i> , 2017 , 133, 37-48	15.6	54
96	Designing Core-Shell Gold and Selenium Nanocomposites for Cancer Radiochemotherapy. <i>ACS Nano</i> , 2017 , 11, 4848-4858	16.7	124
95	Indocyanine green-loaded gold nanostars for sensitive SERS imaging and subcellular monitoring of photothermal therapy. <i>Nanoscale</i> , 2017 , 9, 11888-11901	7.7	48
94	Near-infrared optical performances of two Bi ₂ Se ₃ nanosheets. <i>RSC Advances</i> , 2017 , 7, 50234-50238	3.7	8

93	R&Ktitelbild: Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification (Angew. Chem. 46/2017). <i>Angewandte Chemie</i> , 2017 , 129, 14966-14966	3.6	1
92	Metal-Ion-Modified Black Phosphorus with Enhanced Stability and Transistor Performance. <i>Advanced Materials</i> , 2017 , 29, 1703811	24	353
91	Fluorine-free preparation of titanium carbide MXene quantum dots with high near-infrared photothermal performances for cancer therapy. <i>Nanoscale</i> , 2017 , 9, 17859-17864	7.7	174
90	Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification. <i>Angewandte Chemie</i> , 2017 , 129, 14680-14685	3.6	18
89	Improved Biocompatibility of Black Phosphorus Nanosheets by Chemical Modification. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14488-14493	16.4	101
88	Two-dimensional black phosphorus: Synthesis, modification, properties, and applications. <i>Materials Science and Engineering Reports</i> , 2017 , 120, 1-33	30.9	102
87	Stable and Multifunctional Dye-Modified Black Phosphorus Nanosheets for Near-Infrared Imaging-Guided Photothermal Therapy. <i>Chemistry of Materials</i> , 2017 , 29, 7131-7139	9.6	125
86	Synthesis of different-sized gold nanostars for Raman bioimaging and photothermal therapy in cancer nanotheranostics. <i>Science China Chemistry</i> , 2017 , 60, 1219-1229	7.9	36
85	Linker-free covalent immobilization of heparin, SDF-1 β and CD47 on PTFE surface for antithrombogenicity, endothelialization and anti-inflammation. <i>Biomaterials</i> , 2017 , 140, 201-211	15.6	55
84	Black phosphorus: a two-dimensional reductant for in situ nanofabrication. <i>Npj 2D Materials and Applications</i> , 2017 , 1,	8.8	44
83	Decorated ultrathin bismuth selenide nanosheets as targeted theranostic agents for in vivo imaging guided cancer radiation therapy. <i>NPG Asia Materials</i> , 2017 , 9, e439-e439	10.3	51
82	Tri-phase all-optical switching and broadband nonlinear optical response in BiSe nanosheets. <i>Optics Express</i> , 2017 , 25, 18346-18354	3.3	36
81	Progress of fabrication and surface modification of 2D black phosphorus. <i>Chinese Science Bulletin</i> , 2017 , 62, 2252-2261	2.9	3
80	Small gold nanorods laden macrophages for enhanced tumor coverage in photothermal therapy. <i>Biomaterials</i> , 2016 , 74, 144-54	15.6	209
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