

Guozhen Shen

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.

359
papers

24,397
citations

85
h-index

139
g-index

378
ext. papers

27,733
ext. citations

9.2
avg, IF

7.49
L-index

#	Paper	IF	Citations
359	MXene quantum dot within natural 3D watermelon peel matrix for biocompatible flexible sensing platform. <i>Nano Research</i> , 2022 , 15, 3653	10	22
358	Continuous Fabrication of TiCT MXene-Based Braided Coaxial Zinc-Ion Hybrid Supercapacitors with Improved Performance.. <i>Nano-Micro Letters</i> , 2021 , 14, 34	19.5	6
357	Recent advances of flexible sensors for biomedical applications. <i>Progress in Natural Science: Materials International</i> , 2021 ,	3.6	7
356	Integrated polarization-sensitive amplification system for digital information transmission. <i>Nature Communications</i> , 2021 , 12, 6476	17.4	10
355	Assessment of Occlusal Force and Local Gas Release Using Degradable Bacterial Cellulose/TiCT MXene Bioaerogel for Oral Healthcare. <i>ACS Nano</i> , 2021 ,	16.7	15
354	A perspective on flexible sensors in developing diagnostic devices. <i>Applied Physics Letters</i> , 2021 , 119, 150501	3.4	8
353	Wearable Sweat Loss Measuring Devices: From the Role of Sweat Loss to Advanced Mechanisms and Designs. <i>Advanced Science</i> , 2021 , e2103257	13.6	19
352	Modify Cd3As2 nanowires with sulfur to fabricate self-powered NIR photodetectors with enhanced performance. <i>Nano Research</i> , 2021 , 14, 3379-3385	10	3
351	Flexible Image Sensors with Semiconducting Nanowires for Biomimic Visual Applications. <i>Small Structures</i> , 2021 , 2, 2000152	8.7	16
350	Flexible Self-Powered Integrated Sensing System with 3D Periodic Ordered Black Phosphorus@MXene Thin-Films. <i>Advanced Materials</i> , 2021 , 33, e2007890	24	46
349	In-Situ Annealed TiCT MXene Based All-Solid-State Flexible Zn-Ion Hybrid Micro Supercapacitor Array with Enhanced Stability. <i>Nano-Micro Letters</i> , 2021 , 13, 100	19.5	20
348	Short-Wave Near-Infrared Polarization Sensitive Photodetector Based on GaSb Nanowire. <i>IEEE Electron Device Letters</i> , 2021 , 42, 549-552	4.4	6
347	Low-Noise Dual-Band Polarimetric Image Sensor Based on 1D Bi S Nanowire. <i>Advanced Science</i> , 2021 , 8, e2100075	13.6	16
346	An Ultrasensitive Contact Lens Sensor Based On Self-Assembly Graphene For Continuous Intraocular Pressure Monitoring. <i>Advanced Functional Materials</i> , 2021 , 31, 2010991	15.6	9
345	Biocompatible MXene/Chitosan-Based Flexible Bimodal Devices for Real-Time Pulse and Respiratory Rate Monitoring 2021 , 3, 921-929		9
344	Artificial Optoelectronic Synapses Based on TiNxO2/MoS2 Heterojunction for Neuromorphic Computing and Visual System. <i>Advanced Functional Materials</i> , 2021 , 31, 2101201	15.6	22
343	Wearable, Implantable, and Interventional Medical Devices Based on Smart Electronic Skins. <i>Advanced Materials Technologies</i> , 2021 , 6, 2100107	6.8	20

342	Recent advanced applications of ion-gel in ionic-gated transistor. <i>Npj Flexible Electronics</i> , 2021 , 5,	10.7	10
341	Flexible Transparent Near-Infrared Photodetector Based on 2D Ti ₃ C ₂ MXene-Te Van Der Waals Heterostructures. <i>Chinese Journal of Chemistry</i> , 2021 , 39, 2141-2146	4.9	6
340	Near-Infrared Light Triggered Self-Powered Mechano-Optical Communication System using Wearable Photodetector Textile. <i>Advanced Functional Materials</i> , 2021 , 31, 2104782	15.6	25
339	Highly-stable polymer-crosslinked 2D MXene-based flexible biocompatible electronic skins for in vivo biomonitoring. <i>Nano Energy</i> , 2021 , 84, 105921	17.1	41
338	Micro-Nano Processing of Active Layers in Flexible Tactile Sensors via Template Methods: A Review. <i>Small</i> , 2021 , 17, e2100804	11	18
337	Oxidized Ti ₃ C ₂ T _x film-based high-performance flexible pressure sensors. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 384002	3	1
336	Direct Polarimetric Image Sensor and Wide Spectral Response Based on Quasi-1D Sb ₂ S ₃ Nanowire. <i>Advanced Functional Materials</i> , 2021 , 31, 2006601	15.6	16
335	Controlled Assembly of MXene Nanosheets as an Electrode and Active Layer for High-Performance Electronic Skin. <i>Advanced Functional Materials</i> , 2021 , 31, 2010533	15.6	66
334	Reliable sensors based on graphene textile with negative resistance variation in three dimensions. <i>Nano Research</i> , 2021 , 14, 2810-2818	10	2
333	Flexible Sensors Based on Organic-Inorganic Hybrid Materials. <i>Advanced Materials Technologies</i> , 2021 , 6, 2000889	6.8	10
332	Recent Advances in Perovskite Photodetectors for Image Sensing. <i>Small</i> , 2021 , 17, e2005606	11	34
331	Recent Advances in Carbon Material-Based Multifunctional Sensors and Their Applications in Electronic Skin Systems. <i>Advanced Functional Materials</i> , 2021 , 31, 2104288	15.6	21
330	Chitosan-Assisted Fabrication of a Network C@VO Cathode for High-Performance Zn-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 37194-37200	9.5	12
329	Ti ₃ C ₂ MXene Conductive Layers Supported Bio-Derived Fe ₃ O ₄ /MXene/Carbonaceous Nanoribbons for High-Performance Half/Full Sodium-Ion and Potassium-Ion Batteries. <i>Advanced Materials</i> , 2021 , 33, e2101535	24	46
328	An artificial olfactory system with sensing, memory and self-protection capabilities. <i>Nano Energy</i> , 2021 , 86, 106078	17.1	10
327	Three-dimensional perovskite nanowire array-based ultrafast resistive RAM with ultralong data retention. <i>Science Advances</i> , 2021 , 7, eabg3788	14.3	5
326	Wearable Sensors-Enabled Human-Machine Interaction Systems: From Design to Application. <i>Advanced Functional Materials</i> , 2021 , 31, 2008936	15.6	79
325	Monolayer WS ₂ Lateral Homosuperlattices with Two-dimensional Periodic Localized Photoluminescence. <i>ACS Nano</i> , 2021 ,	16.7	1

324	In Situ Dynamic Manipulation of Graphene Strain Sensor with Drastically Sensing Performance Enhancement. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000269	6.4	14
323	An Electrically Modulated Single-Color/Dual-Color Imaging Photodetector. <i>Advanced Materials</i> , 2020 , 32, e1907257	24	67
322	A Self-Healable Bifunctional Electronic Skin. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24339-24347	3.7	28
321	Growth of aligned SnS nanowire arrays for near infrared photodetectors. <i>Journal of Semiconductors</i> , 2020 , 41, 042602	2.3	5
320	Nanofiber/nanowires-based flexible and stretchable sensors. <i>Journal of Semiconductors</i> , 2020 , 41, 0416053	5.3	32
319	3D Dielectric Layer Enabled Highly Sensitive Capacitive Pressure Sensors for Wearable Electronics. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 32023-32030	9.5	34
318	Nb2O5 nanotubes on carbon cloth for high performance sodium-ion capacitors. <i>Science China Materials</i> , 2020 , 63, 1171-1181	7.1	6
317	Threshold switching synaptic device with tactile memory function. <i>Nano Energy</i> , 2020 , 76, 105109	17.1	9
316	Bimetal Schottky Heterojunction Boosting Energy-Saving Hydrogen Production from Alkaline Water via Urea Electrocatalysis. <i>Advanced Functional Materials</i> , 2020 , 30, 2000556	15.6	98
315	An Integrated Flexible All-Nanowire Infrared Sensing System with Record Photosensitivity. <i>Advanced Materials</i> , 2020 , 32, e1908419	24	31
314	Single layers of MoS2/Graphene nanosheets embedded in activated carbon nanofibers for high-performance supercapacitor. <i>Journal of Alloys and Compounds</i> , 2020 , 829, 154557	5.7	23
313	Recent Advances of Two-Dimensional Nanomaterials for Electrochemical Capacitors. <i>ChemSusChem</i> , 2020 , 13, 1093-1113	8.3	17
312	Symmetry-Reduction Enhanced Polarization-Sensitive Photodetection in Core-Shell SbI/Sb O van der Waals Heterostructure. <i>Small</i> , 2020 , 16, e1907172	11	18
311	Flexible on-chip micro-supercapacitors: Efficient power units for wearable electronics. <i>Energy Storage Materials</i> , 2020 , 27, 169-186	19.4	35
310	Flexible sliding sensor for simultaneous monitoring deformation and displacement on a robotic hand/arm. <i>Nano Energy</i> , 2020 , 73, 104764	17.1	26
309	Wearable supercapacitor self-charged by P(VDF-TrFE) piezoelectric separator. <i>Progress in Natural Science: Materials International</i> , 2020 , 30, 174-179	3.6	20
308	Non-layered ZnSb nanoplates for room temperature infrared polarized photodetectors. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 6388-6395	7.1	14
307	Biocompatible and Biodegradable Functional Polysaccharides for Flexible Humidity Sensors. <i>Research</i> , 2020 , 2020, 8716847	7.8	29

306	Recent progress and future prospects of sodium-ion capacitors. <i>Science China Materials</i> , 2020 , 63, 185-206	7.1	7
305	Self-catalyzed growth of GaSb nanowires for high performance ultraviolet-visible-near infrared photodetectors. <i>Science China Materials</i> , 2020 , 63, 383-391	30.9	107
304	Reviews of wearable healthcare systems: Materials, devices and system integration. <i>Materials Science and Engineering Reports</i> , 2020 , 140, 100523	23.1	54
303	Recent advances in low-dimensional semiconductor nanomaterials and their applications in high-performance photodetectors. <i>Information Materials</i> , 2020 , 2, 291-317	17.1	74
302	Biomimetic, biocompatible and robust silk Fibroin-MXene film with stable 3D cross-link structure for flexible pressure sensors. <i>Nano Energy</i> , 2020 , 78, 105252	2.2	7
301	All-Ti3C2TxMXene Based Flexible On-chip Microsupercapacitor Array. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 694-698	7.1	7
300	An integrated flexible multifunctional sensing system for simultaneous monitoring of environment signals. <i>Science China Materials</i> , 2020 , 63, 2560-2569	5.5	17
299	Flexible Short-Wave Infrared Image Sensors Enabled by High-Performance Polymeric Photodetectors. <i>Macromolecules</i> , 2020 , 53, 10636-10643	12.8	14
298	A Flexible Concentric Circle Structured Zinc-Ion Micro-Battery with Electrodeposited Electrodes. <i>Small Methods</i> , 2020 , 4, 2000363	2.3	1
297	Preface to the Special Issue on Flexible Materials and Structures for Bioengineering, Sensing, and Energy Applications. <i>Journal of Semiconductors</i> , 2020 , 41, 040101	0.4	2
296	2D Nanomaterials with Hierarchical Architecture for Flexible Sensor Application. <i>ACS Symposium Series</i> , 2020 , 93-116	24	126
295	Recent Advances in Fiber Supercapacitors: Materials, Device Configurations, and Applications. <i>Advanced Materials</i> , 2020 , 32, e1901806	9.7	17
294	Recent progress of self-powered wearable monitoring systems integrated with microsupercapacitors. <i>Materials Today Nano</i> , 2019 , 8, 100050	7.7	10
293	Motion recognition by a liquid filled tubular triboelectric nanogenerator. <i>Nanoscale</i> , 2019 , 11, 495-503	63.1	85
292	Wearable sweat monitoring system with integrated micro-supercapacitors. <i>Nano Energy</i> , 2019 , 58, 624-632	7.7	10
291	Electrospraying preparation of metal germanate nanospheres for high-performance lithium-ion batteries and room-temperature gas sensors. <i>Nanoscale</i> , 2019 , 11, 12116-12123	7.1	15
290	Stretchable SnO2-CdS interlaced-nanowire film ultraviolet photodetectors. <i>Science China Materials</i> , 2019 , 62, 1139-1150	7.1	15
289	Highly flexible self-powered photodetectors based on core-shell Sb/CdS nanowires. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 4581-4586		

288	MoS-OH Bilayer-Mediated Growth of Inch-Sized Monolayer MoS on Arbitrary Substrates. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5392-5401	16.4	56
287	Characterization of atomic defects on the photoluminescence in two-dimensional materials using transmission electron microscope. <i>Information Materials</i> , 2019 , 1, 85-97	23.1	32
286	Programmable three-dimensional advanced materials based on nanostructures as building blocks for flexible sensors. <i>Nano Today</i> , 2019 , 26, 176-198	17.9	44
285	Resonant and Selective Excitation of Photocatalytically Active Defect Sites in TiO. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 10351-10355	9.5	1
284	Bio-Multifunctional Smart Wearable Sensors for Medical Devices. <i>Advanced Intelligent Systems</i> , 2019 , 1, 1900040	6	58
283	Flexible Smart Noncontact Control Systems with Ultrasensitive Humidity Sensors. <i>Small</i> , 2019 , 15, e1902801	20	55
282	Mixed-Valence-Driven Quasi-1D SnIISnIVS3 with Highly Polarization-Sensitive UV-Vis-NIR Photoresponse. <i>Advanced Functional Materials</i> , 2019 , 29, 1904416	15.6	22
281	Water-proof and thermally inert flexible pressure sensors based on zero temperature coefficient of resistance hybrid films. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 9648-9654	7.1	16
280	Bioinspired Interlocked Structure-Induced High Deformability for Two-Dimensional Titanium Carbide (MXene)/Natural Microcapsule-Based Flexible Pressure Sensors. <i>ACS Nano</i> , 2019 , 13, 9139-9147	16.7	192
279	Metal-Organic-Framework-Derived MCo2O4 (M=Mn and Zn) Nanosheet Arrays on Carbon Cloth as Integrated Anodes for Energy Storage Applications. <i>ChemElectroChem</i> , 2019 , 6, 5836-5843	4.3	10
278	Al-Doping-Induced VO2 (B) Phase in VO2 (M) Toward Smart Optical Thin Films with Modulated UV-Vis and IR. <i>Advanced Engineering Materials</i> , 2019 , 21, 1900947	3.5	8
277	Skin Adhesives with Controlled Adhesion by Polymer Chain Mobility. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1496-1502	9.5	26
276	Grain-Boundary-Induced Drastic Sensing Performance Enhancement of Polycrystalline-Microwire Printed Gas Sensors. <i>Advanced Materials</i> , 2019 , 31, e1804583	24	92
275	Large-Scale Fabrication of Flexible On-Chip Micro-Supercapacitors by a Mechanical Scribing Process. <i>ChemElectroChem</i> , 2018 , 5, 1652-1657	4.3	6
274	Printable Zn2GeO4 Microwires Based Flexible Photodetectors with Tunable Photoresponses. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800050	6.8	10
273	Self-healable wire-shaped supercapacitors with two twisted NiCo2O4 coated polyvinyl alcohol hydrogel fibers. <i>Science China Materials</i> , 2018 , 61, 254-262	7.1	27
272	Recent Developments in Graphene-Based Tactile Sensors and E-Skins. <i>Advanced Materials Technologies</i> , 2018 , 3, 1700248	6.8	100
271	Tellurophene-Based Random Copolymers for High Responsivity and Detectivity Photodetectors. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 1917-1924	9.5	19

270	An Artificial Flexible Visual Memory System Based on an UV-Motivated Memristor. <i>Advanced Materials</i> , 2018 , 30, 1705400	24	189
269	Flexible and transparent capacitive pressure sensor with patterned microstructured composite rubber dielectric for wearable touch keyboard application. <i>Science China Materials</i> , 2018 , 61, 1587-1595	7.1	74
268	Fiber gas sensor-integrated smart face mask for room-temperature distinguishing of target gases. <i>Nano Research</i> , 2018 , 11, 511-519	10	42
267	Fabrication of rigid and flexible SrGe4O9 nanotube-based sensors for room-temperature ammonia detection. <i>Nano Research</i> , 2018 , 11, 431-439	10	13
266	Longitudinal twinning Bi2Se3 nanowires for UV-visible-NIR photodetectors with high sensitivity. <i>Frontiers of Optoelectronics</i> , 2018 , 11, 245-255	2.8	7
265	Hollow Polypyrrole Sleeve Based Coaxial Fiber Supercapacitors for Wearable Integrated Photosensing System. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800115	6.8	19
264	MoS2/C/C nanofiber with double-layer carbon coating for high cycling stability and rate capability in lithium-ion batteries. <i>Nano Research</i> , 2018 , 11, 5866-5878	10	34
263	Recent progress and perspectives of metal oxides based on-chip microsupercapacitors. <i>Chinese Chemical Letters</i> , 2018 , 29, 553-563	8.1	11
262	Flexible Broadband Image Sensors with SnS Quantum Dots/Zn2SnO4 Nanowires Hybrid Nanostructures. <i>Advanced Functional Materials</i> , 2018 , 28, 1705389	15.6	49
261	Recent Advances in Flexible/Stretchable Supercapacitors for Wearable Electronics. <i>Small</i> , 2018 , 14, e1702829	22.9	158
260	Highly sensitive hybrid nanofiber-based room-temperature CO sensors: Experiments and density functional theory simulations. <i>Nano Research</i> , 2018 , 11, 1029-1037	10	32
259	Recent Advances in Smart Wearable Sensing Systems. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800444	6.8	78
258	Plant-Based Modular Building Blocks for Green Electronic Skins. <i>Advanced Functional Materials</i> , 2018 , 28, 1804510	15.6	73
257	Device Configurations and Future Prospects of Flexible/Stretchable Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1805596	15.6	88
256	Highly Stretchable Micro-Supercapacitor Arrays with Hybrid MWCNT/PANI Electrodes. <i>Advanced Materials Technologies</i> , 2017 , 2, 1600282	6.8	105
255	Au-nanoparticles-decorated Sb2S3 nanowire-based flexible ultraviolet/visible photodetectors. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 3330-3335	7.1	33
254	Ultrasensitive and ultraflexible e-skins with dual functionalities for wearable electronics. <i>Nano Energy</i> , 2017 , 38, 28-35	17.1	150
253	Fabrication of porous SnO2 nanowires gas sensors with enhanced sensitivity. <i>Sensors and Actuators B: Chemical</i> , 2017 , 252, 79-85	8.5	71

252	All rGO-on-PVDF-nanofibers based self-powered electronic skins. <i>Nano Energy</i> , 2017 , 35, 121-127	17.1	107
251	ZnO Quantum Dot Decorated ZnSnO Nanowire Heterojunction Photodetectors with Drastic Performance Enhancement and Flexible Ultraviolet Image Sensors. <i>ACS Nano</i> , 2017 , 11, 4067-4076	16.7	145
250	Recent Progress of Self-Powered Sensing Systems for Wearable Electronics. <i>Small</i> , 2017 , 13, 1701791	11	141
249	Flexible planar concentric circular micro-supercapacitor arrays for wearable gas sensing application. <i>Nano Energy</i> , 2017 , 41, 261-268	17.1	77
248	New insights and perspectives into biological materials for flexible electronics. <i>Chemical Society Reviews</i> , 2017 , 46, 6764-6815	58.5	245
247	Heterostructured ZnS/InP nanowires for rigid/flexible ultraviolet photodetectors with enhanced performance. <i>Nanoscale</i> , 2017 , 9, 15416-15422	7.7	13
246	Anisotropic photoresponse of layered 2D SnS-based near infrared photodetectors. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 11288-11293	7.1	53
245	SnO ₂ /SnS ₂ nanotubes for flexible room-temperature NH ₃ gas sensors. <i>RSC Advances</i> , 2017 , 7, 52503-52509	5.9	64
244	Nanowire-assembled Co ₃ O ₄ @NiCo ₂ O ₄ architectures for high performance all-solid-state asymmetric supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 24981-24988	13	64
243	Polymer-Enhanced Highly Stretchable Conductive Fiber Strain Sensor Used for Electronic Data Gloves. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600136	6.8	100
242	Enhancing Photoresponsivity of Self-Aligned MoS ₂ Field-Effect Transistors by Piezo-Phototronic Effect from GaN Nanowires. <i>ACS Nano</i> , 2016 , 10, 7451-7	16.7	67
241	High-Performance All-Polymer Photoresponse Devices Based on Acceptor-Acceptor Conjugated Polymers. <i>Advanced Functional Materials</i> , 2016 , 26, 6306-6315	15.6	79
240	Facile construction of novel CoMoO ₄ microplates@CoMoO ₄ microprisms structures for well-stable supercapacitors. <i>Progress in Natural Science: Materials International</i> , 2016 , 26, 243-252	3.6	18
239	Highly flexible strain sensor based on ZnO nanowires and P(VDF-TrFE) fibers for wearable electronic device. <i>Science China Materials</i> , 2016 , 59, 173-181	7.1	33
238	Pursuing two-dimensional nanomaterials for flexible lithium-ion batteries. <i>Nano Today</i> , 2016 , 11, 82-97	17.9	64
237	Self-supported Zn ₃ P ₂ nanowire arrays grafted on carbon fabrics as an advanced integrated anode for flexible lithium ion batteries. <i>Nanoscale</i> , 2016 , 8, 8666-72	7.7	57
236	Ultraviolet/visible photodetectors with ultrafast, high photosensitivity based on 1D ZnS/CdS heterostructures. <i>Nanoscale</i> , 2016 , 8, 5219-25	7.7	55
235	Flexible and free-standing ternary CdTeO ₄ nanowire/graphene oxide/CNT nanocomposite film with improved lithium-ion battery performance. <i>Nanotechnology</i> , 2016 , 27, 095602	3.4	11

234	Fabrication of flexible reduced graphene oxide/Fe ₂ O ₃ hollow nanospheres based on-chip micro-supercapacitors for integrated photodetecting applications. <i>Nano Research</i> , 2016 , 9, 424-434	10	85
233	An ultra-sensitive and rapid response speed graphene pressure sensors for electronic skin and health monitoring. <i>Nano Energy</i> , 2016 , 23, 7-14	17.1	368
232	Interlayer Transition and Infrared Photodetection in Atomically Thin Type-II MoTe ₂ /MoS ₂ van der Waals Heterostructures. <i>ACS Nano</i> , 2016 , 10, 3852-8	16.7	314
231	Low-Temperature and Ultrafast Synthesis of Patternable Few-Layer Transition Metal Dichalcogenides with Controllable Stacking Alignment by a Microwave-Assisted Selenization Process. <i>Chemistry of Materials</i> , 2016 , 28, 1147-1154	9.6	13
230	Flexible in-plane microsupercapacitors with electrospun NiFe ₂ O ₄ nanofibers for portable sensing applications. <i>Nanoscale</i> , 2016 , 8, 14986-91	7.7	38
229	Transition from Diffusion-Controlled Intercalation into Extrinsic Pseudocapacitive Charge Storage of MoS ₂ by Nanoscale Heterostructuring. <i>Advanced Energy Materials</i> , 2016 , 6, 1501115	21.8	133
228	Meters-Long Flexible CoNiO ₂ -Nanowires@Carbon-Fibers Based Wire-Supercapacitors for Wearable Electronics. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600142	6.8	53
227	Wafer Scale Phase-Engineered 1T- and 2H-MoSe ₂ /Mo Core-Shell 3D-Hierarchical Nanostructures toward Efficient Electrocatalytic Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2016 , 28, 9831-9838 ²⁴		156
226	Photodetectors based on two dimensional materials. <i>Journal of Semiconductors</i> , 2016 , 37, 091001	2.3	21
225	Low-Temperature Chemical Synthesis of Three-Dimensional Hierarchical Ni(OH) ₂ -Coated Ni Microflowers for High-Performance Enzyme-Free Glucose Sensor. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 25752-25759	3.8	18
224	Flexible Photodetectors Based on 1D Inorganic Nanostructures. <i>Advanced Science</i> , 2016 , 3, 1500287	13.6	94
223	Self-induced uniaxial strain in MoS ₂ monolayers with local van der Waals-stacked interlayer interactions. <i>ACS Nano</i> , 2015 , 9, 2704-10	16.7	41
222	Ternary oxide nanostructured materials for supercapacitors: a review. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 10158-10173	13	260
221	High-performance solar-blind ultraviolet photodetector based on electrospun TiO ₂ -ZnTiO ₃ heterojunction nanowires. <i>Nano Research</i> , 2015 , 8, 2822-2832	10	39
220	A flexible integrated photodetector system driven by on-chip microsupercapacitors. <i>Nano Energy</i> , 2015 , 13, 131-139	17.1	81
219	Electrical transport and photoresponse properties of single-crystalline p-type Cd ₃ As ₂ nanowires. <i>Science China: Physics, Mechanics and Astronomy</i> , 2015 , 58, 1-6	3.6	5
218	Intercalation pseudo-capacitive TiNb ₂ O ₇ @carbon electrode for high-performance lithium ion hybrid electrochemical supercapacitors with ultrahigh energy density. <i>Nano Energy</i> , 2015 , 15, 104-115	17.1	230
217	InGaO ₃ (ZnO) Superlattice Nanowires for High-Performance Ultraviolet Photodetectors. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500054	6.4	26

216	Hierarchical CdS Nanowires Based Rigid and Flexible Photodetectors with Ultrahigh Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 23507-14	9.5	88
215	Rational Synthesis of Branched CoMoO ₄ @CoNiO ₂ Core/Shell Nanowire Arrays for All-Solid-State Supercapacitors with Improved Performance. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24204-11	9.5	70
214	Two-dimensional Ni(OH) ₂ nanoplates for flexible on-chip microsupercapacitors. <i>Nano Research</i> , 2015 , 8, 3544-3552	10	45
213	Encapsulating Ca ₂ Ge ₇ O ₁₆ nanowires within graphene sheets as anode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20673-20680	13	18
212	A flexible spiral-type supercapacitor based on ZnCo ₂ O ₄ nanorod electrodes. <i>Nanoscale</i> , 2015 , 7, 1921-6	7.7	194
211	Vertically coupled ZnO nanorods on MoS ₂ monolayers with enhanced Raman and photoluminescence emission. <i>Nano Research</i> , 2015 , 8, 743-750	10	48
210	Flexible electronics based on inorganic nanowires. <i>Chemical Society Reviews</i> , 2015 , 44, 161-92	58.5	360
209	CuCo ₂ O ₄ Nanowires Grown on a Ni Wire for High-Performance, Flexible Fiber Supercapacitors. <i>ChemElectroChem</i> , 2015 , 2, 1042-1047	4.3	80
208	High-performance rigid and flexible ultraviolet photodetectors with single-crystalline ZnGa ₂ O ₄ nanowires. <i>Nano Research</i> , 2015 , 8, 2162-2169	10	70
207	Fabrication and photoelectric properties of La-doped p-type ZnO nanofibers and crossed p-n homojunctions by electrospinning. <i>Nanoscale</i> , 2015 , 7, 10513-8	7.7	31
206	Single-GaSb-nanowire-based room temperature photodetectors with broad spectral response. <i>Science Bulletin</i> , 2015 , 60, 101-108	10.6	35
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44	Shape-controlled synthesis of copper sulfide nanocrystals via a soft solution route. <i>Journal of Crystal Growth</i> , 2004 , 263, 232-236	1.6	47
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42	Assembly of carbide nanostructures at low temperature. <i>International Journal of Nanotechnology</i> , 2004 , 1, 366	1.5	6
41	A Low-temperature in situ Template Reduction-Carbonization Route to TiC Submicrometer Hollow Spheres and Nanorods. <i>Chemistry Letters</i> , 2003 , 32, 116-117	1.7	9
40	Rapid Synthesis of SnSe Nanowires via an Ethylenediamine-assisted Polyol Route. <i>Chemistry Letters</i> , 2003 , 32, 426-427	1.7	18
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37	Low-temperature synthesis of metal tungstates nanocrystallites in ethylene glycol. <i>Materials Research Bulletin</i> , 2003 , 38, 1783-1789	5.1	58

36	Microwave-assisted synthesis of metal sulfides in ethylene glycol. <i>Materials Chemistry and Physics</i> , 2003 , 82, 206-209	4.4	98
35	Polyol mediated synthesis of nanocrystalline M ₃ SbS ₃ (M=Ag, Cu). <i>Materials Research Bulletin</i> , 2003 , 38, 509-513	5.1	10
34	The synthesis and characterization of nanocrystalline Cu- and Ag-based multinary sulfide semiconductors. <i>Materials Research Bulletin</i> , 2003 , 38, 823-830	5.1	32
33	Large-scale synthesis of uniform urchin-like patterns of Bi ₂ S ₃ nanorods through a rapid polyol process. <i>Chemical Physics Letters</i> , 2003 , 370, 334-337	2.5	71
32	Silicon carbide hollow nanospheres, nanowires and coaxial nanowires. <i>Chemical Physics Letters</i> , 2003 , 375, 177-184	2.5	110
31	Large-scale synthesis of (Bi(Bi ₂ S ₃) ₉ I ₃) _{0.667} submicrometer needle-like crystals via a novel polyol route. <i>Journal of Crystal Growth</i> , 2003 , 249, 331-334	1.6	11
30	Novel polyol route to AgBiS ₂ nanorods. <i>Journal of Crystal Growth</i> , 2003 , 252, 199-201	1.6	44
29	A rapid ethylenediamine-assisted polyol route to synthesize Sb ₂ E ₃ (E=S, Se) nanowires. <i>Journal of Crystal Growth</i> , 2003 , 252, 350-354	1.6	24
28	The synthesis of Cu ₃ BiS ₃ nanorods via a simple ethanol-thermal route. <i>Journal of Crystal Growth</i> , 2003 , 253, 512-516	1.6	32
27	Polyol-mediated synthesis of porous nanocrystalline CuInS ₂ foam. <i>Journal of Crystal Growth</i> , 2003 , 254, 75-79	1.6	31
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25	Characterization of ZnSe spheres via a rapid polyol process. <i>Journal of Crystal Growth</i> , 2003 , 257, 276-279	1.6	13
24	Phase-controlled synthesis and characterization of nickel sulfides nanorods. <i>Journal of Solid State Chemistry</i> , 2003 , 173, 227-231	3.3	39
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22	Solution-phase synthesis of monodispersed SnTe nanocrystallites at room temperature. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 181-184	3.1	22
21	Novel polyol route to nanoscale tin sulfides flaky crystallines. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 178-180	3.1	35
20	Microwave synthesis of AgBiS ₂ dendrites in aqueous solution. <i>Inorganic Chemistry Communication</i> , 2003 , 6, 710-712	3.1	39
19	Synthesis of ternary sulfides Cu(Ag)BiS coral-shaped crystals from single-source precursors. <i>Journal of Crystal Growth</i> , 2003 , 257, 293-296	1.6	28

18	A simple route to prepare nanocrystalline titanium carbonitride. <i>Materials Research Bulletin</i> , 2002 , 37, 1207-1211	5.1	31
17	Characterization of LiNbO ₃ nanocrystals prepared via a convenient hydrothermal route. <i>Materials Research Bulletin</i> , 2002 , 37, 1791-1796	5.1	51
16	Growth of belt-like SnS crystals from ethylenediamine solution. <i>Journal of Crystal Growth</i> , 2002 , 244, 333-338	1.6	58
15	Low-temperature synthesis and characterization of La ₂ S ₃ nanorods. <i>Journal of Crystal Growth</i> , 2002 , 245, 304-308	1.6	12
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13	Hydrothermal preparation of luminescent PbWO ₄ nanocrystallites. <i>Materials Letters</i> , 2002 , 57, 565-568	3.3	37
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10	Synthesis of SnS ₂ nanocrystals via a solvothermal process. <i>Journal of Crystal Growth</i> , 2001 , 225, 92-95	1.6	51
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