

# Shi-shang Guo

## List of Publications by Year in descending order

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220  
papers

8,715  
citations

41344

49  
h-index

58581

82  
g-index

222  
all docs

222  
docs citations

222  
times ranked

11181  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterointerface engineering and piezoelectric effect enhanced performance of self-charging supercapacitors power cell. <i>Nano Energy</i> , 2022, 91, 106701.	16.0	28
2	A light-induced hydrogel responsive platform to capture and selectively isolate single circulating tumor cells. <i>Nanoscale</i> , 2022, 14, 3504-3512.	5.6	4
3	Electric field-assisted MnO <sub>2</sub> nanomaterials for rapid capture and in-situ delivery of circulating tumour cells. <i>Nanoscale</i> , 2022, , .	5.6	0
4	Modeling cancer metastasis using acoustically bio-printed patient-derived 3D tumor microtissues. <i>Journal of Materials Chemistry B</i> , 2022, 10, 1843-1852.	5.8	11
5	Nanomaterial-Based Immunocapture Platforms for the Recognition, Isolation, and Detection of Circulating Tumor Cells. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 850241.	4.1	12
6	Acoustic Bioprinting of Patient-Derived Organoids for Predicting Cancer Therapy Responses. <i>Advanced Healthcare Materials</i> , 2022, 11, e2102784.	7.6	20
7	In Situ Microreaction Platform Based on Acoustic Droplet Manipulation for Ultra-High-Precision Multiplex Bioassay. <i>Analytical Chemistry</i> , 2022, 94, 6347-6354.	6.5	5
8	Noninvasive Optical Isolation and Identification of Circulating Tumor Cells Engineered by Fluorescent Microspheres. <i>ACS Applied Bio Materials</i> , 2022, 5, 2768-2776.	4.6	6
9	Self-powered pacemaker based on all-in-one flexible piezoelectric nanogenerator. <i>Nano Energy</i> , 2022, 99, 107420.	16.0	19
10	Dual Redox Active Sites Ni@Ni <sub>2</sub> P/NiSe <sub>2</sub> Heterostructure Supercapacitor Integrated with Triboelectric Nanogenerator toward Efficient Energy Harvesting and Storage. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	28
11	Highly biocompatible and recyclable biomimetic nanoparticles for antibiotic-resistant bacteria infection. <i>Biomaterials Science</i> , 2021, 9, 826-834.	5.4	28
12	On-chip rapid drug screening of leukemia cells by acoustic streaming. <i>Lab on A Chip</i> , 2021, 21, 4005-4015.	6.0	21
13	The acoustic droplet printing of functional tumor microenvironments. <i>Lab on A Chip</i> , 2021, 21, 1604-1612.	6.0	46
14	Scaffold-free generation of heterotypic cell spheroids using acoustofluidics. <i>Lab on A Chip</i> , 2021, 21, 3498-3508.	6.0	17
15	Acoustic Droplet Vitrification Method for High-Efficiency Preservation of Rare Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 12950-12959.	8.0	9
16	Transforming Pt-SnO <sub>2</sub> Nanoparticles into Pt-SnO <sub>2</sub> Composite Nanoceramics for Room-Temperature Hydrogen-Sensing Applications. <i>Materials</i> , 2021, 14, 2123.	2.9	7
17	Laterally-excited bulk-wave resonators (XBARs) with embedded electrodes in 149.5° Z-cut LiNbO <sub>3</sub> . , 2021, , .		1
18	Acoustic Droplet-Assisted Superhydrophilic-Superhydrophobic Microarray Platform for High-Throughput Screening of Patient-Derived Tumor Spheroids. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23489-23501.	8.0	18

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19	Detection of circulating tumor cells and single cell extraction technology: principle, effect and application prospect. <i>Nano Futures</i> , 2021, 5, 032002.	2.2	5
20	Self-powered technology based on nanogenerators for biomedical applications. <i>Exploration</i> , 2021, 1, 90-114.	11.0	54
21	Acoustic Droplet Printing Tumor Organoids for Modeling Bladder Tumor Immune Microenvironment within a Week. <i>Advanced Healthcare Materials</i> , 2021, 10, e2101312.	7.6	27
22	Emerging Microfluidic Technologies for the Detection of Circulating Tumor Cells and Fetal Nucleated Red Blood Cells. <i>ACS Applied Bio Materials</i> , 2021, 4, 1140-1155.	4.6	19
23	Therapeutic Plateletpheresis in Patients With Thrombocytosis: Gender, Hemoglobin Before Apheresis Significantly Affect Collection Efficiency. <i>Frontiers in Medicine</i> , 2021, 8, 762419.	2.6	2
24	ZnO nanowire-integrated bio-microchips for specific capture and non-destructive release of circulating tumor cells. <i>Nanoscale</i> , 2020, 12, 1455-1463.	5.6	31
25	Surface acoustic wave-based ultraviolet photodetectors: a review. <i>Science Bulletin</i> , 2020, 65, 587-600.	9.0	30
26	Rapid Microfluidic Formation of Uniform Patient-Derived Breast Tumor Spheroids. <i>ACS Applied Bio Materials</i> , 2020, 3, 6273-6283.	4.6	27
27	Efficient Detection and Single-Cell Extraction of Circulating Tumor Cells in Peripheral Blood. <i>ACS Applied Bio Materials</i> , 2020, 3, 6521-6528.	4.6	8
28	A localized surface acoustic wave applied spatiotemporally controllable chemical gradient generator. <i>Biomicrofluidics</i> , 2020, 14, 024106.	2.4	3
29	Investigation of modified Lamé mode resonator with high coupling coefficient. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	4
30	Band structure, effective mass, and carrier mobility of few-layer <i>h</i> -AlN under layer and strain engineering. <i>APL Materials</i> , 2020, 8, .	5.1	28
31	Precursor engineering for performance enhancement of hole-transport-layer-free carbon-based MAPbBr <sub>3</sub> perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2020, 832, 154902.	5.5	18
32	Profiling of immune-cancer interactions at the single-cell level using a microfluidic well array. <i>Analyst</i> , 2020, 145, 4138-4147.	3.5	17
33	Electronic Structure and Optical Properties of YAlN: A First-Principles Study. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900678.	1.5	5
34	Two dimensional graphitic carbon nitride quantum dots modified perovskite solar cells and photodetectors with high performances. <i>Journal of Power Sources</i> , 2020, 451, 227825.	7.8	44
35	Electrospun degradable Zn-Mn oxide hierarchical nanofibers for specific capture and efficient release of circulating tumor cells. <i>Nanotechnology</i> , 2020, 31, 495102.	2.6	6
36	Nozzle-free droplet generation with focused acoustic beams for encapsulation of single circulating tumor cells. <i>Nano Futures</i> , 2020, 4, 045001.	2.2	4

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37	Enhanced performance of piezoelectric nanogenerator based on aligned nanofibers and three-dimensional interdigital electrodes. <i>Nano Energy</i> , 2019, 65, 103924.	16.0	57
38	Biomimetic Immunomagnetic Nanoparticles with Minimal Nonspecific Biomolecule Adsorption for Enhanced Isolation of Circulating Tumor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 28732-28739.	8.0	49
39	An Acoustic Droplet-Induced Enzyme Responsive Platform for the Capture and On-Demand Release of Single Circulating Tumor Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 41118-41126.	8.0	30
40	A Flexible Piezoelectric Nanogenerator Based on Aligned P(VDF-TrFE) Nanofibers. <i>Micromachines</i> , 2019, 10, 302.	2.9	26
41	Rapid and efficient isolation and detection of circulating tumor cells based on ZnS:Mn <sup>2+</sup> quantum dots and magnetic nanocomposites. <i>Talanta</i> , 2019, 202, 230-236.	5.5	20
42	A Digital Acoustofluidic Pump Powered by Localized Fluid-Substrate Interactions. <i>Analytical Chemistry</i> , 2019, 91, 7097-7103.	6.5	32
43	Multifunctional Gelatin Nanoparticle Integrated Microchip for Enhanced Capture, Release, and Analysis of Circulating Tumor Cells. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1900076.	2.3	10
44	Capture and "self-release" of circulating tumor cells using metal-organic framework materials. <i>Nanoscale</i> , 2019, 11, 8293-8303.	5.6	25
45	Enhancing the performance of hole-conductor free carbon-based perovskite solar cells through rutile-phase passivation of anatase TiO <sub>2</sub> scaffold. <i>Journal of Power Sources</i> , 2019, 422, 138-144.	7.8	37
46	TiO <sub>2</sub> nanopillar arrays coated with gelatin film for efficient capture and undamaged release of circulating tumor cells. <i>Nanotechnology</i> , 2019, 30, 335101.	2.6	16
47	Cancer Stem Cell-Platelet Hybrid Membrane-Coated Magnetic Nanoparticles for Enhanced Photothermal Therapy of Head and Neck Squamous Cell Carcinoma. <i>Advanced Functional Materials</i> , 2019, 29, 1807733.	14.9	137
48	Cancer Cell Membrane Camouflaged Nanoparticles to Realize Starvation Therapy Together with Checkpoint Blockades for Enhancing Cancer Therapy. <i>ACS Nano</i> , 2019, 13, 2849-2857.	14.6	253
49	The acoustofluidic focusing and separation of rare tumor cells using transparent lithium niobate transducers. <i>Lab on A Chip</i> , 2019, 19, 3922-3930.	6.0	26
50	A valve-based microfluidic device for on-chip single cell treatments. <i>Electrophoresis</i> , 2019, 40, 961-968.	2.4	18
51	Efficient Welding of Silver Nanowires embedded in a Poly(vinylidene fluoride) Film for Robust Wearable Electronics. <i>Advanced Materials Technologies</i> , 2019, 4, 1800438.	5.8	14
52	Enhanced isolation and release of fetal nucleated red blood cells using multifunctional nanoparticle-based microfluidic device for non-invasive prenatal diagnostics. <i>Sensors and Actuators B: Chemical</i> , 2019, 281, 131-138.	7.8	26
53	A Biomimetic Nanodecoy Traps Zika Virus To Prevent Viral Infection and Fetal Microcephaly Development. <i>Nano Letters</i> , 2019, 19, 2215-2222.	9.1	69
54	A digital acoustofluidic device for on-demand and oil-free droplet generation. <i>Nanotechnology</i> , 2019, 30, 084001.	2.6	18

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55	A hospital based retrospective study of factors influencing therapeutic leukapheresis in patients presenting with hyperleukocytic leukaemia. <i>Scientific Reports</i> , 2018, 8, 294.	3.3	10
56	Engineered red blood cells for capturing circulating tumor cells with high performance. <i>Nanoscale</i> , 2018, 10, 6014-6023.	5.6	44
57	An improved bulk acoustic waves chip based on a PDMS bonding layer for high-efficient particle enrichment. <i>Microfluidics and Nanofluidics</i> , 2018, 22, 1.	2.2	7
58	Efficient Capture and High Activity Release of Circulating Tumor Cells by Using TiO <sub>2</sub> Nanorod Arrays Coated with Soluble MnO <sub>2</sub> Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 16327-16334.	8.0	46
59	Enhanced output-performance of piezoelectric poly(vinylidene fluoride trifluoroethylene) fibers-based nanogenerator with interdigital electrodes and well-ordered cylindrical cavities. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	30
60	Macrophage membrane-coated iron oxide nanoparticles for enhanced photothermal tumor therapy. <i>Nanotechnology</i> , 2018, 29, 134004.	2.6	91
61	Platelet-Facilitated Photothermal Therapy of Head and Neck Squamous Cell Carcinoma. <i>Angewandte Chemie</i> , 2018, 130, 998-1003.	2.0	18
62	A strong green fluorescent nanoprobe for highly sensitive and selective detection of nitrite ions based on phosphorus and nitrogen co-doped carbon quantum dots. <i>Sensors and Actuators B: Chemical</i> , 2018, 262, 555-561.	7.8	60
63	Platelet-Facilitated Photothermal Therapy of Head and Neck Squamous Cell Carcinoma. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 986-991.	13.8	132
64	Erythrocyte membrane-coated gold nanocages for targeted photothermal and chemical cancer therapy. <i>Nanotechnology</i> , 2018, 29, 084002.	2.6	89
65	Size-amplified acoustofluidic separation of circulating tumor cells with removable microbeads. <i>Nano Futures</i> , 2018, 2, 025004.	2.2	21
66	Platelet-Leukocyte Hybrid Membrane-Coated Immunomagnetic Beads for Highly Efficient and Highly Specific Isolation of Circulating Tumor Cells. <i>Advanced Functional Materials</i> , 2018, 28, 1803531.	14.9	154
67	Early Cancer Diagnosis: Platelet-Leukocyte Hybrid Membrane-Coated Immunomagnetic Beads for Highly Efficient and Highly Specific Isolation of Circulating Tumor Cells ( <i>Adv. Funct. Mater.</i> 34/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870241.	14.9	1
68	The Overall Release of Circulating Tumor Cells by Using Temperature Control and Matrix Metalloproteinase-9 Enzyme on Gelatin Film. <i>ACS Applied Bio Materials</i> , 2018, 1, 910-916.	4.6	8
69	Highly sensitive and rapid isolation of fetal nucleated red blood cells with microbead-based selective sedimentation for non-invasive prenatal diagnostics. <i>Nanotechnology</i> , 2018, 29, 434001.	2.6	20
70	Biocompatible fabrication of cell-laden calcium alginate microbeads using microfluidic double flow-focusing device. <i>Sensors and Actuators A: Physical</i> , 2018, 279, 313-320.	4.1	20
71	Improving the performance through SPR effect by employing Au@SiO <sub>2</sub> core-shell nanoparticles incorporated TiO <sub>2</sub> scaffold in efficient hole transport material free perovskite solar cells. <i>Electrochimica Acta</i> , 2018, 282, 10-15.	5.2	20
72	Antitumor Platelet-Mimicking Magnetic Nanoparticles. <i>Advanced Functional Materials</i> , 2017, 27, 1604774.	14.9	152

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73	Hydrothermal synthesis of TiO <sub>2</sub> nanoparticles doped with trace amounts of strontium, and their application as working electrodes for dye sensitized solar cells: tunable electrical properties & enhanced photo-conversion performance. RSC Advances, 2017, 7, 2358-2364.	3.6	40
74	A liquid thermal gradient refractive index lens and using it to trap single living cell in flowing environments. Lab on A Chip, 2017, 17, 1280-1286.	6.0	51
75	Microfluidic Electroporation-Facilitated Synthesis of Erythrocyte Membrane-Coated Magnetic Nanoparticles for Enhanced Imaging-Guided Cancer Therapy. ACS Nano, 2017, 11, 3496-3505.	14.6	377
76	Theranostics: Antitumor Platelet-Mimicking Magnetic Nanoparticles (Adv. Funct. Mater. 9/2017). Advanced Functional Materials, 2017, 27, .	14.9	1
77	Janus droplet parallel arrangements using a simple Y-channel flow-focusing microfluidic device. Chemical Physics Letters, 2017, 673, 93-98.	2.6	9
78	Fetal nucleated red blood cell analysis for non-invasive prenatal diagnostics using a nanostructure microchip. Journal of Materials Chemistry B, 2017, 5, 226-235.	5.8	34
79	Effective capture and release of circulating tumor cells using core-shell Fe <sub>3</sub> O <sub>4</sub> @MnO <sub>2</sub> nanoparticles. Chemical Physics Letters, 2017, 668, 35-41.	2.6	15
80	W-doped TiO <sub>2</sub> mesoporous electron transport layer for efficient hole transport material free perovskite solar cells employing carbon counter electrodes. Journal of Power Sources, 2017, 342, 489-494.	7.8	71
81	Erythrocyte Membrane-Coated Upconversion Nanoparticles with Minimal Protein Adsorption for Enhanced Tumor Imaging. ACS Applied Materials & Interfaces, 2017, 9, 2159-2168.	8.0	195
82	High frequency acoustic on-chip integration for particle characterization and manipulation in microfluidics. Applied Physics Letters, 2017, 111, .	3.3	6
83	Significant Radiation Tolerance and Moderate Reduction in Thermal Transport of a Tungsten Nanofilm by Inserting Monolayer Graphene. Advanced Materials, 2017, 29, 1604623.	21.0	49
84	Effective cancer targeting and imaging using macrophage membrane-camouflaged upconversion nanoparticles. Journal of Biomedical Materials Research - Part A, 2017, 105, 521-530.	4.0	83
85	Efficient Purification and Release of Circulating Tumor Cells by Synergistic Effect of Biomarker and SiO <sub>2</sub> @Gel-Microbead-Based Size Difference Amplification. Advanced Healthcare Materials, 2016, 5, 1554-1559.	7.6	44
86	Ultraviolet-assisted microfluidic generation of ferroelectric composite particles. Biomicrofluidics, 2016, 10, 024106.	2.4	2
87	A flexible, wave-shaped P(VDF-TrFE)/metglas piezoelectric composite for wearable applications. Journal of Applied Physics, 2016, 120, .	2.5	31
88	Microfluidic synthesis of multiferroic Janus particles with disk-like compartments. Applied Physics Letters, 2016, 108, .	3.3	13
89	Three-dimensional valve-based controllable PDMS nozzle for dynamic modulation of droplet generation. Microfluidics and Nanofluidics, 2016, 20, 1.	2.2	11
90	Enhanced performance in hole transport material free perovskite solar cells via morphology control of PbI <sub>2</sub> film by solvent treatment. Journal of Power Sources, 2016, 319, 111-115.	7.8	46

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91	Application of mesoporous SiO <sub>2</sub> layer as an insulating layer in high performance hole transport material free CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite solar cells. Journal of Power Sources, 2016, 321, 71-75.	7.8	46
92	Multi-walled carbon nanotubes act as charge transport channel to boost the efficiency of hole transport material free perovskite solar cells. Journal of Power Sources, 2016, 332, 24-29.	7.8	58
93	One-pot stirring-free synthesis of silver nanowires with tunable lengths and diameters via a Fe <sup>3+</sup> & Cl <sup>-</sup> -co-mediated polyol method and their application as transparent conductive films. Nanoscale, 2016, 8, 18121-18133.	5.6	66
94	Contrasting room-temperature hydrogen sensing capabilities of Pt-SnO <sub>2</sub> and Pt-TiO <sub>2</sub> composite nanoceramics. Nano Research, 2016, 9, 3528-3535.	10.4	22
95	Autofluorescent gelatin nanoparticles as imaging probes to monitor matrix metalloproteinase metabolism of cancer cells. Journal of Biomedical Materials Research - Part A, 2016, 104, 2854-2860.	4.0	25
96	Photocatalytic Degradation of Cell Membrane Coatings for Controlled Drug Release. Advanced Healthcare Materials, 2016, 5, 1420-1427.	7.6	49
97	Cancer Cell Membrane-Coated Upconversion Nanoprobes for Highly Specific Tumor Imaging. Advanced Materials, 2016, 28, 3460-3466.	21.0	420
98	The Study for Solution-Processed Alkali Metal-Doped Indium-Zinc Oxide Thin-Film Transistors. IEEE Electron Device Letters, 2016, 37, 50-52.	3.9	21
99	Rational Design of ZnO:H/ZnO Bilayer Structure for High-Performance Thin-Film Transistors. ACS Applied Materials & Interfaces, 2016, 8, 7862-7868.	8.0	76
100	Transparent megahertz circuits from solution-processed composite thin films. Nanoscale, 2016, 8, 7978-7983.	5.6	3
101	Synthetic nanoparticles camouflaged with biomimetic erythrocyte membranes for reduced reticuloendothelial system uptake. Nanotechnology, 2016, 27, 085106.	2.6	99
102	A composite nanostructured electron-transport layer for stable hole-conductor free perovskite solar cells: design and characterization. Nanoscale, 2016, 8, 5847-5851.	5.6	25
103	Highly sensitive microfluidic flow sensor based on aligned piezoelectric poly(vinylidene fluoride) thin film. Sensors, 2016, 16, 1078-1083.	3.3	21
104	Red Blood Cell Membrane as a Biomimetic Nanocoating for Prolonged Circulation Time and Reduced Accelerated Blood Clearance. Small, 2015, 11, 6225-6236.	10.0	353
105	A Concentration-Controllable Microfluidic Droplet Mixer for Mercury Ion Detection. Micromachines, 2015, 6, 915-925.	2.9	3
106	Hierarchical donut-shaped LiMn <sub>2</sub> O <sub>4</sub> as an advanced cathode material for lithium-ion batteries with excellent rate capability and long cycle life. Journal of Materials Chemistry A, 2015, 3, 8165-8170.	10.3	32
107	Self-amplified piezoelectric nanogenerator with enhanced output performance: The synergistic effect of micropatterned polymer film and interweaved silver nanowires. Applied Physics Letters, 2015, 106, .	3.3	24
108	One-step fabrication of 3D silver paste electrodes into microfluidic devices for enhanced droplet-based cell sorting. AIP Advances, 2015, 5, .	1.3	24

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109	Plasmon-driven reaction controlled by the number of graphene layers and localized surface plasmon distribution during optical excitation. <i>Light: Science and Applications</i> , 2015, 4, e342-e342.	16.6	178
110	A novel glowing electrolyte based on perylene accompany with spectrum compensation function for efficient dye sensitized solar cells. <i>Journal of Power Sources</i> , 2015, 280, 430-434.	7.8	8
111	Multifunctional alumina/titania hybrid blocking layer modified nanocrystalline titania films as efficient photoanodes in dye sensitized solar cells. <i>Journal of Power Sources</i> , 2015, 282, 596-601.	7.8	38
112	A general strategy to construct uniform carbon-coated spinel $\text{LiMn}_2\text{O}_4$ nanowires for ultrafast rechargeable lithium-ion batteries with a long cycle life. <i>Nanoscale</i> , 2015, 7, 13173-13180.	5.6	33
113	Capture and release of cancer cells using electrospun etchable $\text{MnO}_2$ nanofibers integrated in microchannels. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	41
114	A microfluidic electrostatic separator based on pre-charged droplets. <i>Sensors and Actuators B: Chemical</i> , 2015, 210, 328-335.	7.8	24
115	Capture and Release of Cancer Cells by Combining On-Chip Purification and Off-Chip Enzymatic Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24001-24007.	8.0	55
116	Constructed Single-Crystal Rutile $\text{TiO}_2$ Cluster and Plasmon Synergistic Effect for Dye-Sensitized Solar Cells. <i>Electrochimica Acta</i> , 2015, 180, 705-711.	5.2	8
117	Modulating the threshold voltage of oxide nanowire field-effect transistors by a $\text{Ga}^+$ ion beam. <i>Nano Research</i> , 2014, 7, 1691-1698.	10.4	20
118	Generation of $\text{BiFeO}_3\text{-Fe}_3\text{O}_4$ Janus particles based on droplet microfluidic method. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	11
119	Transparent, High-Performance Thin-Film Transistors with an $\text{InGaZnO}/\text{Aligned SnO}_2$ Nanowire Composite and their Application in Photodetectors. <i>Advanced Materials</i> , 2014, 26, 7399-7404.	21.0	104
120	Side-to-side alignment of gold nanorods with polarization-free characteristic for highly reproducible surface enhanced Raman scattering. <i>Applied Physics Letters</i> , 2014, 105, 211902.	3.3	14
121	Constructing hierarchical fastener-like spheres from anatase $\text{TiO}_2$ nanosheets with exposed {001} facets for high-performance dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2014, 262, 86-92.	7.8	31
122	Enhance the performance of dye-sensitized solar cells by balancing the light harvesting and electron collecting efficiencies of scattering layer based photoanodes. <i>Electrochimica Acta</i> , 2014, 132, 25-30.	5.2	15
123	Disk-like hydrogel bead-based immunofluorescence staining toward identification and observation of circulating tumor cells. <i>Microfluidics and Nanofluidics</i> , 2014, 16, 29-37.	2.2	21
124	Scalable Integration of Indium Zinc Oxide/Photosensitive Nanowire Composite Thin-Film Transistors for Transparent Multicolor Photodetectors Array. <i>Advanced Materials</i> , 2014, 26, 2919-2924.	21.0	62
125	Capture and Release of Cancer Cells Based on Sacrificable Transparent $\text{MnO}_2$ Nanospheres Thin Film. <i>Advanced Healthcare Materials</i> , 2014, 3, 1420-1425.	7.6	38
126	Ordered mesoporous carbon-decorated reduced graphene oxide as efficient counter electrode for dye-sensitized solar cells. <i>Carbon</i> , 2014, 77, 18-24.	10.3	25



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127	Upconversion induced enhancement of dye sensitized solar cells based on core-shell structured $\text{Yb}_2\text{-NaYF}_4\text{:Er}^{3+}$ , $\text{Yb}^{3+}$ @ $\text{SiO}_2$ nanoparticles. <i>Nanoscale</i> , 2014, 6, 2052-2055.	5.6	60
128	Ag rings of saturn-like nanoarrays with high number density of hot spots for surface-enhanced Raman scattering. <i>Applied Physics Letters</i> , 2014, 105, 033515.	3.3	21
129	Efficient dye-sensitized solar cells employing highly environmentally-friendly ubiquinone 10 based I2-free electrolyte inspired by photosynthesis. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9007-9010.	10.3	14
130	Self-Assembled Free-Standing Polypyrrole Nanotube Membrane as an Efficient FTO- and Pt-Free Counter Electrode for Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 14-17.	8.0	84
131	Introducing an Intermediate Band into Dye-Sensitized Solar Cells by $\text{W}^{6+}$ Doping into $\text{TiO}_2$ Nanocrystalline Photoanodes. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16892-16895.	3.1	33
132	Layer-by-Layer Self-Assembly of $\text{TiO}_2$ Hierarchical Nanosheets with Exposed {001} Facets As an Effective Bifunctional Layer for Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 9144-9149.	8.0	39
133	The preparation and characterization of 1D multiferroic BFO/P(VDF-TrFE) composite nanofibers using electrospinning. <i>Materials Letters</i> , 2014, 130, 157-159.	2.6	15
134	Morphology transformations in tetrabutyl titanate-acetic acid system and sub-micron/micron hierarchical $\text{TiO}_2$ for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2013, 242, 848-854.	7.8	28
135	Photoelectrodes modification by N doping for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2013, 93, 202-206.	5.2	28
136	Effect of HAc treatment on an open-environment prepared organic redox couple based on hydroquinone/benzoquinone and its application in dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2013, 107, 695-700.	5.2	9
137	An efficient PDPPT:PC61BM-based tandem polymer solar cells with a Ca/Ag/MoO3 intermediate layer. <i>Solar Energy Materials and Solar Cells</i> , 2013, 113, 135-139.	6.2	14
138	Effects of Bis(imidazolium) Molten Salts with Different Substituents of Imidazolium Cations on the Performance of Efficient Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 3356-3361.	8.0	25
139	Improved performance of dye-sensitized solar cells by trace amount Cr-doped $\text{TiO}_2$ photoelectrodes. <i>Journal of Power Sources</i> , 2013, 224, 168-173.	7.8	72
140	Lab-on-a-chip for high frequency acoustic characterization. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 753-760.	7.8	7
141	Gelatin-mesoporous silica nanoparticles as matrix metalloproteinases-degradable drug delivery systems in vivo. <i>Microporous and Mesoporous Materials</i> , 2013, 182, 165-172.	4.4	88
142	Enhanced electrical properties of composite nanostructures using $\text{BiFeO}_3$ nanotubes and ferroelectric copolymers. <i>Materials Letters</i> , 2013, 94, 183-185.	2.6	10
143	High performance amorphous $\text{ZnMgO}$ /carbon nanotube composite thin-film transistors with a tunable threshold voltage. <i>Nanoscale</i> , 2013, 5, 2830.	5.6	10
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