

# Xing-Zhong Zhao

## List of Publications by Year in descending order

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142  
papers

8,667  
citations

53794

45  
h-index

45317

90  
g-index

144  
all docs

144  
docs citations

144  
times ranked

11620  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-bandgap mixed tin-lead iodide perovskite absorbers with long carrier lifetimes for all-perovskite tandem solar cells. <i>Nature Energy</i> , 2017, 2, .	39.5	634
2	Cancer Cell Membrane-Coated Upconversion Nanoprobes for Highly Specific Tumor Imaging. <i>Advanced Materials</i> , 2016, 28, 3460-3466.	21.0	420
3	Microfluidic Electroporation-Facilitated Synthesis of Erythrocyte Membrane-Coated Magnetic Nanoparticles for Enhanced Imaging-Guided Cancer Therapy. <i>ACS Nano</i> , 2017, 11, 3496-3505.	14.6	377
4	Interface engineering in planar perovskite solar cells: energy level alignment, perovskite morphology control and high performance achievement. <i>Journal of Materials Chemistry A</i> , 2017, 5, 1658-1666.	10.3	364
5	Efficient hole-blocking layer-free planar halide perovskite thin-film solar cells. <i>Nature Communications</i> , 2015, 6, 6700.	12.8	358
6	Red Blood Cell Membrane as a Biomimetic Nanocoating for Prolonged Circulation Time and Reduced Accelerated Blood Clearance. <i>Small</i> , 2015, 11, 6225-6236.	10.0	353
7	Electrospun TiO <sub>2</sub> Nanofiber-Based Cell Capture Assay for Detecting Circulating Tumor Cells from Colorectal and Gastric Cancer Patients. <i>Advanced Materials</i> , 2012, 24, 2756-2760.	21.0	315
8	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
9	Core-Shell Supramolecular Gelatin Nanoparticles for Adaptive and On-Demand Antibiotic Delivery. <i>ACS Nano</i> , 2014, 8, 4975-4983.	14.6	244
10	Low-temperature plasma-enhanced atomic layer deposition of tin oxide electron selective layers for highly efficient planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12080-12087.	10.3	210
11	Erythrocyte Membrane-Coated Upconversion Nanoparticles with Minimal Protein Adsorption for Enhanced Tumor Imaging. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 2159-2168.	8.0	195
12	Polymer Nanofiber-Embedded Microchips for Detection, Isolation, and Molecular Analysis of Single Circulating Melanoma Cells. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 3379-3383.	13.8	194
13	Understanding and Eliminating Hysteresis for Highly Efficient Planar Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1700414.	19.5	190
14	Synergistic Interlayer and Defect Engineering in VS <sub>2</sub> Nanosheets toward Efficient Electrocatalytic Hydrogen Evolution Reaction. <i>Small</i> , 2018, 14, 1703098.	10.0	180
15	Compositional and morphological engineering of mixed cation perovskite films for highly efficient planar and flexible solar cells with reduced hysteresis. <i>Nano Energy</i> , 2017, 35, 223-232.	16.0	162
16	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
17	Antitumor Platelet-Mimicking Magnetic Nanoparticles. <i>Advanced Functional Materials</i> , 2017, 27, 1604774.	14.9	152
18	Myeloid-Derived Suppressor Cell Membrane-Coated Magnetic Nanoparticles for Cancer Theranostics by Inducing Macrophage Polarization and Synergizing Immunogenic Cell Death. <i>Advanced Functional Materials</i> , 2018, 28, 1801389.	14.9	140

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19	Cancer Stem Cellâ€Platelet Hybrid Membraneâ€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
20	Plateletâ€Facilitated Photothermal Therapy of Head and Neck Squamous Cell Carcinoma. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 986-991.	13.8	132
21	Detection of bacteria with organic electrochemical transistors. <i>Journal of Materials Chemistry</i> , 2012, 22, 22072.	6.7	118
22	Enhanced visible light photodegradation activity of RhB/MB from aqueous solution using nanosized novel Fe-Cd co-modified ZnO. <i>Scientific Reports</i> , 2018, 8, 10691.	3.3	110
23	Synthetic nanoparticles camouflaged with biomimetic erythrocyte membranes for reduced reticuloendothelial system uptake. <i>Nanotechnology</i> , 2016, 27, 085106.	2.6	99
24	Macrophage membrane-coated iron oxide nanoparticles for enhanced photothermal tumor therapy. <i>Nanotechnology</i> , 2018, 29, 134004.	2.6	91
25	Gelatinâ€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
26	Magnetoâ€Controllable Capture and Release of Cancer Cells by Using a Micropillar Device Decorated with Graphite Oxideâ€Coated Magnetic Nanoparticles. <i>Small</i> , 2013, 9, 3895-3901.	10.0	87
27	Stable Organicâ€Inorganic Perovskite Solar Cells without Holeâ€Conductor Layer Achieved via Cell Structure Design and Contact Engineering. <i>Advanced Functional Materials</i> , 2016, 26, 4866-4873.	14.9	84
28	Effective cancer targeting and imaging using macrophage membraneâ€camouflaged upconversion nanoparticles. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 521-530.	4.0	83
29	Droplet-based synthetic method using microflow focusing and droplet fusion. <i>Microfluidics and Nanofluidics</i> , 2007, 3, 239-243.	2.2	76
30	Copperâ€Doped Chromium Oxide Holeâ€Transporting Layer for Perovskite Solar Cells: Interface Engineering and Performance Improvement. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500799.	3.7	72
31	W-doped TiO <sub>2</sub> mesoporous electron transport layer for efficient hole transport material free perovskite solar cells employing carbon counter electrodes. <i>Journal of Power Sources</i> , 2017, 342, 489-494.	7.8	71
32	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
33	Energy harvesting with piezoelectric drum transducer. <i>Applied Physics Letters</i> , 2007, 90, 113506.	3.3	67
34	Biocompatible TiO <sub>2</sub> nanoparticle-based cell immunoassay for circulating tumor cells capture and identification from cancer patients. <i>Biomedical Microdevices</i> , 2013, 15, 617-626.	2.8	66
35	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. <i>Nanoscale</i> , 2016, 8, 18121-18133.	5.6	66
36	Gelatin Nanoparticle-Coated Silicon Beads for Density-Selective Capture and Release of Heterogeneous Circulating Tumor Cells with High Purity. <i>Theranostics</i> , 2018, 8, 1624-1635.	10.0	66

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37	Hierarchically porous hybrids of polyaniline nanoparticles anchored on reduced graphene oxide sheets as counter electrodes for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2762.	10.3	64
38	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
39	Highly Conductive and Robust Three-Dimensional Host with Excellent Alkali Metal Infiltration Boosts Ultrastable Lithium and Sodium Metal Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 21254-21261.	8.0	55
40	Comprehensive investigation of structural, electrical, and optical properties for ZnO:Al films deposited at different substrate temperature and oxygen ambient. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	52
41	Generation of disk-like hydrogel beads for cell encapsulation and manipulation using a droplet-based microfluidic device. <i>Microfluidics and Nanofluidics</i> , 2012, 13, 761-767.	2.2	51
42	A/B Site Modified CaTiO <sub>3</sub> Dielectric Ceramics for Microwave Application. <i>Journal of the American Ceramic Society</i> , 2006, 89, 1153-1155.	3.8	50
43	Photocatalytic Degradation of Cell Membrane Coatings for Controlled Drug Release. <i>Advanced Healthcare Materials</i> , 2016, 5, 1420-1427.	7.6	49
44	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
45	Valve-based microfluidic device for droplet on-demand operation and static assay. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	47
46	Enhanced performance in hole transport material free perovskite solar cells via morphology control of PbI <sub>2</sub> film by solvent treatment. <i>Journal of Power Sources</i> , 2016, 319, 111-115.	7.8	46
47	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. <i>Journal of Power Sources</i> , 2016, 321, 71-75.	7.8	46
48	Pt-sputtering-like NiCo <sub>2</sub> S <sub>4</sub> counter electrode for efficient dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2016, 192, 521-528.	5.2	46
49	Efficient Purification and Release of Circulating Tumor Cells by Synergistic Effect of Biomarker and SiO <sub>2</sub> @Gelatin-Microbead-Based Size Difference Amplification. <i>Advanced Healthcare Materials</i> , 2016, 5, 1554-1559.	7.6	44
50	Engineered red blood cells for capturing circulating tumor cells with high performance. <i>Nanoscale</i> , 2018, 10, 6014-6023.	5.6	44
51	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
52	Capture and release of cancer cells using electrospun etchable MnO <sub>2</sub> nanofibers integrated in microchannels. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	41
53	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. <i>RSC Advances</i> , 2017, 7, 2358-2364.	3.6	40
54	Intermediate Phase Growth Assisted Sequential Deposition Boosts Stable and High-Efficiency Triple Cation Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2020, 30, 1908343.	14.9	40

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55	Capture and Release of Cancer Cells Based on Sacrificable Transparent MnO <sub>2</sub> Nanospheres Thin Film. <i>Advanced Healthcare Materials</i> , 2014, 3, 1420-1425.	7.6	38
56	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
57	Integrated parallel microfluidic device for simultaneous preparation of multiplex optical-encoded microbeads with distinct quantum dot barcodes. <i>Journal of Materials Chemistry</i> , 2011, 21, 13380.	6.7	34
58	Fetal nucleated red blood cell analysis for non-invasive prenatal diagnostics using a nanostructure microchip. <i>Journal of Materials Chemistry B</i> , 2017, 5, 226-235.	5.8	34
59	Non-invasive Prenatal Diagnosis of Chromosomal Aneuploidies and Microdeletion Syndrome Using Fetal Nucleated Red Blood Cells Isolated by Nanostructure Microchips. <i>Theranostics</i> , 2018, 8, 1301-1311.	10.0	34
60	High Efficiency and Reliable Smart Photovoltaic Windows Enabled by Multiresponsive Liquid Crystal Composite Films and Semi-transparent Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1900720.	19.5	34
61	Low-cost and Efficient Hole-Transport-Material-free perovskite solar cells employing controllable electron-transport layer based on P25 nanoparticles. <i>Electrochimica Acta</i> , 2016, 213, 83-88.	5.2	33
62	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. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8165-8170.	10.3	32
63	Near-Infrared Light-Sensitive Hole-Transport-Layer Free Perovskite Solar Cells and Photodetectors with Hexagonal NaYF <sub>4</sub> :Yb <sup>3+</sup> , Tm <sup>3+</sup> @SiO <sub>2</sub> Upconversion Nanoprism-Modified TiO <sub>2</sub> Scaffold. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8236-8244.	6.7	32
64	Mechanical Distension Induces Serotonin Release from Intestine as Revealed by Stretchable Electrochemical Sensing. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4075-4081.	13.8	32
65	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
66	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
67	Electrophoretic Deposited Black Phosphorus on 3D Porous Current Collectors to Regulate Li Nucleation for Dendrite-Free Lithium Metal Anodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 51563-51572.	8.0	30
68	Deep learning of brain magnetic resonance images: A brief review. <i>Methods</i> , 2021, 192, 131-140.	3.8	28
69	Highly biocompatible and recyclable biomimetic nanoparticles for antibiotic-resistant bacteria infection. <i>Biomaterials Science</i> , 2021, 9, 826-834.	5.4	28
70	Enhanced Isolation of Fetal Nucleated Red Blood Cells by Erythrocyte-Leukocyte Hybrid Membrane-Coated Magnetic Nanoparticles for Noninvasive Pregnant Diagnostics. <i>Analytical Chemistry</i> , 2021, 93, 1033-1042.	6.5	28
71	Synergistic effects of thiocyanate additive and cesium cations on improving the performance and initial illumination stability of efficient perovskite solar cells. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2435-2441.	4.9	27
72	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

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73	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
74	Autofluorescent gelatin nanoparticles as imaging probes to monitor matrix metalloproteinase metabolism of cancer cells. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 2854-2860.	4.0	25
75	A composite nanostructured electron-transport layer for stable hole-conductor free perovskite solar cells: design and characterization. <i>Nanoscale</i> , 2016, 8, 5847-5851.	5.6	25
76	3D stable hosts with controllable lithiophilic architectures for high-rate and high-capacity lithium metal anodes. <i>Journal of Power Sources</i> , 2019, 442, 227214.	7.8	25
77	A microfluidic platform utilizing anchored water-in-oil-in-water double emulsions to create a niche for analyzing single non-adherent cells. <i>Lab on A Chip</i> , 2019, 19, 422-431.	6.0	25
78	Capture and "self-release" of circulating tumor cells using metal-organic framework materials. <i>Nanoscale</i> , 2019, 11, 8293-8303.	5.6	25
79	Photovoltaic performance improvement of dye-sensitized solar cells through introducing In-doped TiO <sub>2</sub> film at conducting glass and mesoporous TiO <sub>2</sub> interface as an efficient compact layer. <i>Electrochimica Acta</i> , 2014, 129, 276-282.	5.2	24
80	One-step fabrication of 3D silver paste electrodes into microfluidic devices for enhanced droplet-based cell sorting. <i>AIP Advances</i> , 2015, 5, .	1.3	24
81	Interfacial Engineering via Self-Assembled Thiol Silane for High Efficiency and Stability Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100128.	5.8	24
82	FA/MA Cation Exchange for Efficient and Reproducible Tin-Based Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 40656-40663.	8.0	24
83	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
84	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
85	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
86	Fully Air-Processed Carbon-Based Efficient Hole Conductor Free Planar Heterojunction Perovskite Solar Cells With High Reproducibility and Stability. <i>Solar Rrl</i> , 2019, 3, 1800297.	5.8	20
87	Highly efficient and stable air-processed hole-transport-material free carbon based perovskite solar cells with caesium incorporation. <i>Chemical Communications</i> , 2019, 55, 218-221.	4.1	19
88	Reducing the Energy Loss to Achieve High Open-Circuit Voltage and Efficiency by Coordinating Energy-Level Matching in Sn-Pb Binary Perovskite Solar Cells. <i>Solar Rrl</i> , 2021, 5, 2100287.	5.8	19
89	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
90	Platelet-Facilitated Photothermal Therapy of Head and Neck Squamous Cell Carcinoma. <i>Angewandte Chemie</i> , 2018, 130, 998-1003.	2.0	18

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91	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
92	Transparent, biocompatible nanostructured surfaces for cancer cell capture and culture. <i>International Journal of Nanomedicine</i> , 2014, 9, 2569.	6.7	16
93	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
94	Effective capture and release of circulating tumor cells using core-shell Fe <sub>3</sub> O <sub>4</sub> @MnO <sub>2</sub> nanoparticles. <i>Chemical Physics Letters</i> , 2017, 668, 35-41.	2.6	15
95	Performance enhancement of hole-transport material free perovskite solar cells with TiO <sub>2</sub> nanorods modified with SiO <sub>2</sub> /NaYF <sub>4</sub> :Yb,Er@SiO <sub>2</sub> for upconversion and charge recombination suppression. <i>Organic Electronics</i> , 2019, 73, 152-158.	2.6	15
96	Neutrophil membrane-coated immunomagnetic nanoparticles for efficient isolation and analysis of circulating tumor cells. <i>Biosensors and Bioelectronics</i> , 2022, 213, 114425.	10.1	15
97	Efficient dye-sensitized solar cells employing highly environmentally-friendly ubiquinone 10 based I <sub>2</sub> -free electrolyte inspired by photosynthesis. <i>Journal of Materials Chemistry A</i> , 2014, 2, 9007-9010.	10.3	14
98	High-throughput isolation of fetal nucleated red blood cells by multifunctional microsphere-assisted inertial microfluidics. <i>Biomedical Microdevices</i> , 2020, 22, 75.	2.8	14
99	Microfluidic synthesis of multiferroic Janus particles with disk-like compartments. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	13
100	Multi-walled carbon nanotubes induced a controllable TiO <sub>2</sub> morphology transformation for high-rate and long-life lithium-ion batteries. <i>RSC Advances</i> , 2017, 7, 21988-21996.	3.6	13
101	Efficient Electron Transport Scaffold Made up of Submicron TiO <sub>2</sub> Spheres for High-Performance Hole-Transport Material Free Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 0, , .	5.1	13
102	The effect of Mg doping on the dielectric and tunable properties of Pb <sub>0.3</sub> Sr <sub>0.7</sub> TiO <sub>3</sub> thin films prepared by sol-gel method. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 114, 777-783.	2.3	12
103	A novel method for generation of amphiphilic PDMS particles by selective modification. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 453-458.	2.2	11
104	Generation of BiFeO <sub>3</sub> -Fe <sub>3</sub> O <sub>4</sub> Janus particles based on droplet microfluidic method. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	11
105	Three-dimensional valve-based controllable PDMS nozzle for dynamic modulation of droplet generation. <i>Microfluidics and Nanofluidics</i> , 2016, 20, 1.	2.2	11
106	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
107	The isolation and analysis of fetal nucleated red blood cells using multifunctional microbeads with a nanostructured coating toward early noninvasive prenatal diagnostics. <i>Journal of Materials Chemistry B</i> , 2021, 9, 3047-3054.	5.8	10
108	Low Dielectric Loss and Good Dielectric Thermal Stability of Nd <sub>1/2</sub> Zn <sub>1/2</sub> Ti <sub>3/2</sub> Thin Films Fabricated by Sol-Gel Method. <i>Journal of the American Ceramic Society</i> , 2013, 96, 820-824.	3.8	9

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109	Silica microbeads capture fetal nucleated red blood cells for noninvasive prenatal testing of fetal ABO genotype. <i>Electrophoresis</i> , 2020, 41, 966-972.	2.4	9
110	Modulated crystal growth enables efficient and stable perovskite solar cells in humid air. <i>Chemical Engineering Journal</i> , 2022, 442, 136267.	12.7	9
111	Controllable fission of droplets and bubbles by pneumatic valve. <i>Microfluidics and Nanofluidics</i> , 2011, 10, 1343-1349.	2.2	8
112	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
113	Solution-processed NiO nanoparticles with a wide pH window as an efficient hole transport material for high performance tin-based perovskite solar cells. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 144002.	2.8	8
114	Tailoring the Energy Band Structure and Interfacial Morphology of the ETL via Controllable Nanocluster Size Achieves High-Performance Planar Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 48555-48568.	8.0	8
115	A Biocompatible Nanofibers-Based Microchip for Isolation and Nondestructive Release of Fetal Nucleated Red Blood Cells. <i>Advanced Materials Interfaces</i> , 2020, 7, 2001028.	3.7	6
116	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
117	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
118	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
119	Optimized crystallization and defect passivation with Yttrium (III) doped MAPbBr <sub>3</sub> film for highly efficient and stable hole-transport-layer-free carbon-based perovskite solar cells. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161909.	5.5	5
120	Injection Angle Dependence in Flow Focusing Based Droplet Formation. , 2007, , .		4
121	Facile synthesis of gradient mesoporous carbon monolith based on polymerization-induced phase separation. <i>Functional Materials Letters</i> , 2014, 07, 1450055.	1.2	4
122	Cancer Theranostics: Myeloid-Derived Suppressor Cell Membrane-Coated Magnetic Nanoparticles for Cancer Theranostics by Inducing Macrophage Polarization and Synergizing Immunogenic Cell Death (Adv. Funct. Mater. 37/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870265.	14.9	4
123	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
124	The dielectric and tunable properties of Mn doped (Ba <sub>0.6</sub> Sr <sub>0.4</sub> ) <sub>0.925</sub> K <sub>0.075</sub> TiO <sub>3</sub> thin films fabricated by sol-gel method. <i>Journal of Applied Physics</i> , 2009, 105, 034104.	2.5	3
125	Assays: Electrospun TiO <sub>2</sub> Nanofiber-Based Cell Capture Assay for Detecting Circulating Tumor Cells from Colorectal and Gastric Cancer Patients (Adv. Mater. 20/2012). <i>Advanced Materials</i> , 2012, 24, 2755-2755.	21.0	3
126	A Concentration-Controllable Microfluidic Droplet Mixer for Mercury Ion Detection. <i>Micromachines</i> , 2015, 6, 915-925.	2.9	3



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127	FINITE ELEMENT ANALYSIS OF UNDERWATER CYMBAL TRANSDUCERS WITH LARGE DISPLACEMENT AND FAST RESPONSE TIME. <i>Integrated Ferroelectrics</i> , 2006, 78, 103-111.	0.7	2
128	Properties of multiple gaps microstrip filter with fractal metallic patterns. <i>Microwave and Optical Technology Letters</i> , 2007, 49, 2726-2728.	1.4	2
129	Ultraviolet-assisted microfluidic generation of ferroelectric composite particles. <i>Biomicrofluidics</i> , 2016, 10, 024106.	2.4	2
130	Electrochemical Deposited Calcium Phosphate Nanomaterials with Micro-Nano Interface for Capture and Non-Invasive Release of Cancer Cells. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101097.	3.7	2
131	Multifunctional Gelatin-Nanoparticle-Modified Chip for Enhanced Capture and Non-Destructive Release of Circulating Tumor Cells. <i>Micromachines</i> , 2022, 13, 395.	2.9	2
132	The sandwich structure with fractal patterns for microstrip lines. <i>Microwave and Optical Technology Letters</i> , 2006, 48, 1714-1717.	1.4	1
133	Theranostics: Antitumor Platelet-Mimicking Magnetic Nanoparticles ( <i>Adv. Funct. Mater.</i> 9/2017). <i>Advanced Functional Materials</i> , 2017, 27, .	14.9	1
134	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
135	$\text{CsPbI}_3$ Intermediate Phase Growth: $\text{CsPbI}_3$ Intermediate Phase Growth Assisted Sequential Deposition Boosts Stable and High-Efficiency Triple Cation Perovskite Solar Cells ( <i>Adv. J. Phys. Chem.</i> 14/2022). <i>Advanced Materials</i> , 2022, 34, 2107043.	14.9	1
136	Microfluidics-Assisted Fluorescence Mapping of DNA Phosphorothioation. <i>Analytical Chemistry</i> , 2022, 94, 10479-10486.	6.5	1
137	Controlled-Release of Materials in Calcium Alginate Microbeads Prepared by Microfluidic Device. , 2007, , .		0
138	Manipulation of Droplets in Micro-Channel Through Magnetic Field. , 2007, , .		0
139	Response of Superparamagnetic Beads and Orientation of Magnetotactic Bacteria in an Integrated Microfluidic Chip. , 2007, , .		0
140	The Observation of Bacteria and Yeast through Microfluidic Devices. , 2007, , .		0
141	A Smart Electrowetting Device Based on PDMS and Glass for Manipulating Cells in Droplet. , 2007, , .		0
142	Smart Photovoltaic Windows: High-Efficiency and Reliable Smart Photovoltaic Windows Enabled by Multiresponsive Liquid Crystal Composite Films and Semi-Transparent Perovskite Solar Cells ( <i>Adv. J. Phys. Chem.</i> 10/2022). <i>Advanced Materials</i> , 2022, 34, 2107043.	14.9	1