

# Weiwei Zhang

## List of Publications by Year in descending order

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57  
papers

1,798  
citations

236925

25  
h-index

276875

41  
g-index

77  
all docs

77  
docs citations

77  
times ranked

2298  
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic Synthesis of Nanomaterials. <i>Small</i> , 2008, 4, 698-711.	10.0	402
2	Microfluidic Synthesis of Nanohybrids. <i>Small</i> , 2017, 13, 1604084.	10.0	77
3	Nanoparticle Conjugation of Ginsenoside Rg3 Inhibits Hepatocellular Carcinoma Development and Metastasis. <i>Small</i> , 2020, 16, e1905233.	10.0	72
4	Stable Amorphous Cobalt Nanoparticles Formed by an in Situ Rapidly Cooling Microfluidic Process. <i>Langmuir</i> , 2009, 25, 10209-10217.	3.5	55
5	Shell-Dependent Evolution of Optical and Magnetic Properties of Co@Au Core-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012, 116, 11343-11350.	3.1	54
6	Surface Plasmon Resonance and Interference Coenhanced SERS Substrate of AAO/Al-Based Ag Nanostructure Arrays. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23930-23936.	3.1	49
7	Plasmon and Plexciton Driven Interfacial Catalytic Reactions. <i>Chemical Record</i> , 2021, 21, 797-819.	5.8	49
8	Synthesis of Well-Dispersed Aqueous-Phase Magnetite Nanoparticles and Their Metabolism as an MRI Contrast Agent for the Reticuloendothelial System. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 3303-3313.	2.0	46
9	Correlation and Characterization of Three-Dimensional Morphologically Dependent Localized Surface Plasmon Resonance Spectra of Single Silver Nanoparticles Using Dark-Field Optical Microscopy and Spectroscopy and Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2010, 114, 74-81.	3.1	44
10	Aqueous phase Ag nanoparticles with controlled shapes fabricated by a modified nanosphere lithography and their optical properties. <i>Applied Surface Science</i> , 2010, 256, 5961-5967.	6.1	43
11	Broadband spin-controlled surface plasmon polariton launching and radiation via L-shaped optical slot nanoantennas. <i>Laser and Photonics Reviews</i> , 2014, 8, 590-595.	8.7	41
12	A bibliometric analysis of research related to ocean circulation. <i>Scientometrics</i> , 2009, 80, 305-316.	3.0	40
13	Microfluidic Synthesis and Characterization of FePtSn/C Catalysts with Enhanced Electro-Catalytic Performance for Direct Methanol Fuel Cells. <i>Electrochimica Acta</i> , 2017, 230, 245-254.	5.2	39
14	N, P-Codoped Graphene Dots Supported on N-Doped 3D Graphene as Metal-Free Catalysts for Oxygen Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 30512-30523.	8.0	39
15	Identification of single nanoparticles. <i>Nanoscale</i> , 2011, 3, 31-44.	5.6	36
16	Microfluidic synthesis of ultra-small magnetic nanohybrids for enhanced magnetic resonance imaging. <i>Journal of Materials Chemistry C</i> , 2015, 3, 12418-12429.	5.5	36
17	Spatiotemporal-resolved nanoparticle synthesis via simple programmed microfluidic processes. <i>RSC Advances</i> , 2014, 4, 34179.	3.6	33
18	Nearly Monodispersion CoSm Alloy Nanoparticles Formed by an In-situ Rapid Cooling and Passivating Microfluidic Process. <i>Nanoscale Research Letters</i> , 2009, 4, 1130-4.	5.7	32

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19	<i>In Situ</i> Redox Microfluidic Synthesis of Core-Shell Nanoparticles and Their Long-Term Stability. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17274-17284.	3.1	31
20	A General Strategy for Nanohybrids Synthesis via Coupled Competitive Reactions Controlled in a Hybrid Process. <i>Scientific Reports</i> , 2015, 5, 9189.	3.3	31
21	Surface and interface engineering of FePt/C nanocatalysts for electro-catalytic methanol oxidation: enhanced activity and durability. <i>Nanoscale</i> , 2017, 9, 4066-4075.	5.6	31
22	Microfluidic synthesis of Fe nanoparticles. <i>Materials Letters</i> , 2010, 64, 1789-1792.	2.6	29
23	Magneto-Plasmons in Periodic Nanoporous Structures. <i>Scientific Reports</i> , 2014, 4, .	3.3	28
24	Controlled hybridization of Sn-SnO <sub>2</sub> nanoparticles via simple-programmed microfluidic processes for tunable ultraviolet and blue emissions. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7687-7694.	5.5	27
25	Microfluidic Synthesis of Multimode Au@CoFeB-Rg <sub>3</sub> Nanomedicines and Their Cytotoxicity and Anti-Tumor Effects. <i>Chemistry of Materials</i> , 2020, 32, 5044-5056.	6.7	27
26	Shell-driven Fine Structure Transition of Core Materials in Co@Au Core-shell Nanoparticles. <i>Nano-Micro Letters</i> , 2012, 4, 235-242.	27.0	26
27	Synthesis of worm and chain-like nanoparticles by a microfluidic reactor process. <i>Journal of Nanoparticle Research</i> , 2010, 12, 2689-2697.	1.9	23
28	Shape-Controlled Synthesis of CdSe Nanocrystals via a Programmed Microfluidic Process. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3567-3572.	3.1	23
29	Magnetic and electric property evolution of amorphous cobalt-rich alloys driven by field annealing. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 225001.	2.8	21
30	Magnetic field driving gradient effects on the microstructure in amorphous-nanocrystalline cobalt alloy ribbons. <i>Nanoscale</i> , 2012, 4, 386-393.	5.6	21
31	Interface interaction induced ultra-dense nanoparticles assemblies. <i>Nanoscale</i> , 2013, 5, 6779.	5.6	21
32	Tunable Magneto-Optical Kerr Effects of Nanoporous Thin Films. <i>Scientific Reports</i> , 2017, 7, 2888.	3.3	19
33	The optical cavity enhanced magneto-optical Kerr effect signals of AAO/Al-based CoFeB nanostructure arrays. <i>Optics Communications</i> , 2019, 437, 44-49.	2.1	19
34	Synthesis of nanomedicines by nanohybrids conjugating ginsenosides with auto-targeting and enhanced MRI contrast for liver cancer therapy. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 1307-1316.	2.0	18
35	Arrayed nanopore silver thin films for surface-enhanced Raman scattering. <i>RSC Advances</i> , 2020, 10, 23908-23915.	3.6	17
36	Resonant slot nanoantennas for surface plasmon radiation in optical frequency range. <i>Applied Physics Letters</i> , 2012, 100, 241115.	3.3	16

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37	Mass production of high-performance single atomic FeNC electrocatalysts via sequenced ultrasonic atomization and pyrolysis process. <i>Science China Materials</i> , 2021, 64, 631-641.	6.3	14
38	Synthesis of nanomedicine hydrogel microcapsules by droplet microfluidic process and their pH and temperature dependent release. <i>RSC Advances</i> , 2021, 11, 37814-37823.	3.6	14
39	Synthesis of Sn <sup>x</sup> Fe <sub>1-x</sub> @FeSn <sup>y</sup> O <sub>z</sub> nano hybrids via a simple programmed microfluidic process. <i>RSC Advances</i> , 2016, 6, 84255-84261.	3.6	13
40	The synthesis of a nanodrug using metal-based nanozymes conjugated with ginsenoside Rg3 for pancreatic cancer therapy. <i>Nanoscale Advances</i> , 2021, 4, 190-199.	4.6	12
41	Surface and Interface Engineering Multilayered Nanopore Films for Enhanced Fabry-Pérot Interferences. <i>Journal of Physical Chemistry C</i> , 2018, 122, 29457-29463.	3.1	11
42	Probing Membrane Transport of Single Live Cells Using Single-Molecule Detection and Single Nanoparticle Assay. , 0, , 41-70.		10
43	Coreopsis Tinctoria Modulates Lipid Metabolism by Decreasing Low-Density Lipoprotein and Improving Gut Microbiota. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 1060-1074.	1.6	9
44	The magnetic properties of CoFeB and CoFeB/Ag nanodot arrays fabricated by a template transfer imprinting method. <i>Thin Solid Films</i> , 2018, 660, 301-305.	1.8	9
45	Magnetic field coupling microfluidic synthesis of diluted magnetic semiconductor quantum dots: the case of Co doping ZnSe quantum dots. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4619-4627.	5.5	9
46	Magnetic field coupling microfluidic synthesis of Fe <sub>2</sub> Pt/C nanocatalysts for enhanced electrochemical catalytic oxidation of alcohol. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 13035-13044.	7.1	8
47	Waste-Reducing Catalytic Oxidation of m-Xylene to m-Toluic Acid. <i>Catalysis Letters</i> , 2016, 146, 1213-1220.	2.6	7
48	Structural Color Control of CoFeB-Coated Nanoporous Thin Films. <i>Coatings</i> , 2021, 11, 1123.	2.6	7
49	Longitudinal Magneto-Optical Kerr Effect of Nanoporous CoFeB and W/CoFeB/W Thin Films. <i>Coatings</i> , 2022, 12, 115.	2.6	6
50	Surface plasmon resonance enhanced transverse magneto-optical Kerr effect and the detection performance of nanopore arrays. <i>Journal of Optics (United Kingdom)</i> , 2022, 24, 035003.	2.2	6
51	Crystallization of Cobalt Amorphous Alloys Under Field Annealing. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 1074-1083.	0.9	5
52	Compositions and pollutant sources of haze in Beijing urban sites. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8827-8836.	5.3	5
53	A Sensitive Magnetic Field Sensor Utilizing the Giant Magneto-Impedance Effect in Field-Annealed Co-Based Amorphous Ribbons. <i>Sensor Letters</i> , 2010, 8, 314-319.	0.4	4
54	Resolved terahertz spectroscopy of tiny molecules employing tunable spoof plasmons in an otto prism configuration. <i>Journal of Optics (United Kingdom)</i> , 2022, 24, 045301.	2.2	4

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55	Control of Surface Plasmon-Polaritons in Magnetolectric Heterostructures. Journal of Lightwave Technology, 2018, 36, 2660-2666.	4.6	3
56	Magnetic and Optical Properties of Ag-CoFe Nanohybrids Prepared by a Sequenced Microfluidic Process. ChemistrySelect, 2019, 4, 14157-14161.	1.5	3
57	Strong nonlinear current-voltage behaviour in iron oxyborate. AIP Advances, 2014, 4, .	1.3	0