

Yu-Jun Song

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.

91 papers	2,050 citations	25 h-index	43 g-index
94 ext. papers	2,292 ext. citations	5 avg, IF	4.97 L-index

#	Paper	IF	Citations
91	Longitudinal Magneto-Optical Kerr Effect of Nanoporous CoFeB and W/CoFeB/W Thin Films. <i>Coatings</i> , 2022 , 12, 115	2.9	0
90	Prospects and Challenges of Flexible Stretchable Electrodes for Electronics. <i>Coatings</i> , 2022 , 12, 558	2.9	4
89	Low-Frequency Broadband Absorbing Coatings Based on MOFs: Design, Fabrication, Microstructure and Properties. <i>Coatings</i> , 2022 , 12, 766	2.9	1
88	Synthesis of nanomedicine hydrogel microcapsules by droplet microfluidic process and their pH and temperature dependent release.. <i>RSC Advances</i> , 2021 , 11, 37814-37823	3.7	5
87	Selective Permeable Thin Films and Membranes 2021 , 447-488		0
86	Fundamental in Functional Thin Films and Coatings 2021 , 59-94		1
85	Anechoic Coating for Underwater Vehicles 2021 , 549-586		
84	Perspectives for Thin Films and Coatings 2021 , 647-679		
83	Template-assisted Fabrication of Nanostructure Thin Films for Ultrasensitive Detection of Chemicals and Biomolecules: Part A Template-assisted Nanoimprinting Technology for Functional Thin Films 2021 , 339-380		
82	Introduction: Progress of Thin Films and Coatings 2021 , 1-58		1
81	MEMS, NEMS, AEMS, and Quantum Films for the Next Generation of Computing and Information Technology 2021 , 199-219		
80	N, P-Codoped Graphene Dots Supported on N-Doped 3D Graphene as Metal-Free Catalysts for Oxygen Reduction. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 30512-30523	9.5	13
79	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	7.1	7
78	Nanophotonic structures with optical surface modes for tunable spin current generation. <i>Nanoscale</i> , 2021 , 13, 5791-5799	7.7	0
77	Structural Color Control of CoFeB-Coated Nanoporous Thin Films. <i>Coatings</i> , 2021 , 11, 1123	2.9	1
76	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	7.1	6
75	Microfluidic Synthesis of Multimode [email'protected] Nanomedicines and Their Cytotoxicity and Anti-Tumor Effects. <i>Chemistry of Materials</i> , 2020 , 32, 5044-5056	9.6	10

74	Arrayed nanopore silver thin films for surface-enhanced Raman scattering.. <i>RSC Advances</i> , 2020 , 10, 23908-23915	9.7	15
73	Magnetic field coupling microfluidic synthesis of Fe ₂ Pt/C nanocatalysts for enhanced electrochemical catalytic oxidation of alcohol. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 13035-13044	6.7	5
72	Nanoparticle Conjugation of Ginsenoside Rg3 Inhibits Hepatocellular Carcinoma Development and Metastasis. <i>Small</i> , 2020 , 16, e1905233	11	30
71	Magnetic and Optical Properties of Ag-CoFe Nanohybrids Prepared by a Sequenced Microfluidic Process. <i>ChemistrySelect</i> , 2019 , 4, 14157-14161	1.8	2
70	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	12
69	Rare-earth metal oxide hybridized PtFe nanocrystals synthesized via microfluidic process for enhanced electrochemical catalytic performance. <i>Electrochimica Acta</i> , 2019 , 299, 80-88	6.7	18
68	Microfluidic Synthesis of Organics 2018 , 351-374		
67	Synthesis of Magnetic Nanomaterials 2018 , 405-418		1
66	Microfluidic Synthesis of Metallic Nanomaterials 2018 , 419-443		
65	Microfluidic Synthesis of Composites 2018 , 445-478		
64	Perspective for Microfluidics 2018 , 517-540		
63	Fundamental Concepts and Physics in Microfluidics 2018 , 19-111		0
62	In-situ reaction-growth of PtNiX nanocrystals on supports for enhanced electrochemical catalytic oxidation of ethanol via continuous flow microfluidic process. <i>Electrochimica Acta</i> , 2018 , 278, 149-155	6.7	9
61	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	3.6	11
60	Tunable magnetic properties of the nanoporous hybrid multilayer arrays. <i>Modern Physics Letters B</i> , 2018 , 32, 1850191	1.6	1
59	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	2.2	9
58	Surface and Interface Engineering Multilayered Nanopore Films for Enhanced Fabry-Pérot Interferences. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 29457-29463	3.8	8
57	Magnetic field annealing of FeCo-based amorphous alloys to enhance thermal stability and Curie temperature. <i>Rare Metals</i> , 2018 , 1	5.5	2

56	Shape-Controlled Synthesis of CdSe Nanocrystals via a Programmed Microfluidic Process. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 3567-3572	3.8	16
55	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	6.7	32
54	Surface and interface engineering of FePt/C nanocatalysts for electro-catalytic methanol oxidation: enhanced activity and durability. <i>Nanoscale</i> , 2017 , 9, 4066-4075	7.7	25
53	Microfluidic Synthesis of Nanohybrids. <i>Small</i> , 2017 , 13, 1604084	11	53
52	Synthesis of Fe (1-x) Zn x @ Zn (1-y) Fe y O z nanocrystals via a simple programmed microfluidic process. <i>Materials Chemistry and Physics</i> , 2017 , 201, 156-164	4.4	8
51	Tunable Magneto-Optical Kerr Effects of Nanoporous Thin Films. <i>Scientific Reports</i> , 2017 , 7, 2888	4.9	15
50	Synthesis of Sn(1-x)Fex@FeySn(1-y)Oz nanohybrids via a simple programmed microfluidic process. <i>RSC Advances</i> , 2016 , 6, 84255-84261	3.7	12
49	Waste-Reducing Catalytic Oxidation of m-Xylene to m-Toluic Acid. <i>Catalysis Letters</i> , 2016 , 146, 1213-1220.	8	7
48	Compositions and pollutant sources of haze in Beijing urban sites. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 8827-36	5.1	4
47	Template Transfer Nanoimprint for Uniform Nanopores and Nanopoles. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-7	3.2	7
46	A general strategy for nanohybrids synthesis via coupled competitive reactions controlled in a hybrid process. <i>Scientific Reports</i> , 2015 , 5, 9189	4.9	29
45	Microfluidic synthesis of ultra-small magnetic nanohybrids for enhanced magnetic resonance imaging. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 12418-12429	7.1	30
44	Magneto-Plasmons in Periodic Nanoporous Structures. <i>Scientific Reports</i> , 2015 , 4,	4.9	24
43	Controlled hybridization of SnSnO2 nanoparticles via simple-programmed microfluidic processes for tunable ultraviolet and blue emissions. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7687-7694	7.1	22
42	Spatiotemporal-resolved nanoparticle synthesis via simple programmed microfluidic processes. <i>RSC Advances</i> , 2014 , 4, 34179	3.7	28
41	In Situ Redox Microfluidic Synthesis of CoreShell Nanoparticles and Their Long-Term Stability. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 17274-17284	3.8	28
40	Electrochemical synthesis of gold nanoparticles on the surface of multi-walled carbon nanotubes with glassy carbon electrode and their application. <i>Russian Journal of Physical Chemistry A</i> , 2013 , 87, 74-79	8.7	10
39	Synthesis of gold nanoparticles on the surface of pyrolytic graphite using penicillin as a stabilizing reagent and the catalytic oxidation of naphthylamine. <i>Russian Journal of Physical Chemistry A</i> , 2013 , 87, 88-92	0.7	

38	Fabrication of one-dimension ZnSe and ZnO nanostructures via anodic alumina template assisted vapor-liquid-solid growth process. <i>Thin Solid Films</i> , 2013 , 548, 130-137	2.2	8
37	Gold-nanoparticle on the surface of L-cysteine modified gold electrode and its application. <i>Russian Journal of Physical Chemistry A</i> , 2013 , 87, 80-83	0.7	4
36	Interface interaction induced ultra-dense nanoparticles assemblies. <i>Nanoscale</i> , 2013 , 5, 6779-89	7.7	19
35	Shell-Dependent Evolution of Optical and Magnetic Properties of Core-Shell Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 11343-11350	3.8	50
34	Magnetic and electric property evolution of amorphous cobalt-rich alloys driven by field annealing. <i>Journal Physics D: Applied Physics</i> , 2012 , 45, 225001	3	15
33	Shell-driven Fine Structure Transition of Core Materials in Co@Au Core-shell Nanoparticles. <i>Nano-Micro Letters</i> , 2012 , 4, 235-242	19.5	25
32	Magnetic field driving gradient effects on the microstructure in amorphous-nanocrystalline cobalt alloy ribbons. <i>Nanoscale</i> , 2012 , 4, 386-93	7.7	17
31	Crystallization of cobalt amorphous alloys under field annealing. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 1074-83	1.3	4
30	Identification of single nanoparticles. <i>Nanoscale</i> , 2011 , 3, 31-44	7.7	29
29	Controlled Fabrication of Noble Metal Nanomaterials via Nanosphere Lithography and Their Optical Properties 2011 ,		4
28	Gold nanoparticle/double-walled carbon nanotube-modified glassy carbon electrode and its application. <i>Gold Bulletin</i> , 2011 , 44, 107-111	1.6	8
27	Microstructural investigation of PGM-based alloy coatings for oxidation protection. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2011 , 62, 674-680	1.6	5
26	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	2.3	41
25	Controlled growth of Cu nanoparticles by a tubular microfluidic reactor. <i>Chemical Engineering Journal</i> , 2011 , 168, 477-484	14.7	34
24	Fabrication of multi-level 3-dimension microstructures by phase inversion process. <i>Nano-Micro Letters</i> , 2010 , 2, 95-100	19.5	8
23	Correlation and Characterization of 3D Morphological Dependent Localized Surface Plasmon Resonance Spectra of Single Silver Nanoparticles Using Dark-field Optical Microscopy and Spectroscopy and AFM. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 74-81	3.8	41
22	Synthesis of worm and chain-like nanoparticles by a microfluidic reactor process. <i>Journal of Nanoparticle Research</i> , 2010 , 12, 2689-2697	2.3	23
21	Microfluidic synthesis of Fe nanoparticles. <i>Materials Letters</i> , 2010 , 64, 1789-1792	3.3	28

20	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	6.7	38
19	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	0.9	4
18	Fabrication of multi-level 3-dimension microstructures by phase inversion process 2010 , 2, 95		3
17	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	31
16	Stable amorphous cobalt nanoparticles formed by an in situ rapidly cooling microfluidic process. <i>Langmuir</i> , 2009 , 25, 10209-17	4	54
15	Fine Crystal Structure Transition of Cobalt Nanoparticles Formed in a Microfluidic Reactor. <i>Crystal Growth and Design</i> , 2008 , 8, 3766-3772	3.5	28
14	Correlating Plasmon Resonance Spectra with Three-Dimensional Morphology of Single Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10767-10772	3.8	6
13	Effect of Oxidation, Etching, and Thin-Film Deposition on Silicon Photonic Crystals. <i>Journal of the Electrochemical Society</i> , 2008 , 155, H351	3.9	2
12	Microfluidic synthesis of nanomaterials. <i>Small</i> , 2008 , 4, 698-711	11	349
11	Waste-reducing preparation of PE-g-MAH and PE-g-DBM via solid phase grafting reaction and their application as compatibilizers. <i>Journal of Applied Polymer Science</i> , 2006 , 101, 3781-3790	2.9	7
10	Microfluidic Synthesis of Cobalt Nanoparticles. <i>Chemistry of Materials</i> , 2006 , 18, 2817-2827	9.6	156
9	Investigations into sulfobetaine-stabilized Cu nanoparticle formation: toward development of a microfluidic synthesis. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 9330-8	3.4	90
8	Mechanisms of structure and performance controlled thin film composite membrane formation via interfacial polymerization process. <i>Journal of Membrane Science</i> , 2005 , 251, 67-79	9.6	212
7	Preparation, characterization, and application of thin film composite nanofiltration membranes. <i>Journal of Applied Polymer Science</i> , 2005 , 95, 1251-1261	2.9	69
6	Fabrication of an SU-8 based microfluidic reactor on a PEEK substrate sealed by a 'flexible semi-solid transfer'(FST) process. <i>Journal of Micromechanics and Microengineering</i> , 2004 , 14, 932-940	2	53
5	Synthesis of palladium nanoparticles using a continuous flow polymeric micro reactor. <i>Journal of Nanoscience and Nanotechnology</i> , 2004 , 4, 788-93	1.3	46
4	Waste-Reducing Catalysis for Acylation of a Secondary Amine: Synthesis of DEET. <i>Catalysis Letters</i> , 2004 , 98, 69-75	2.8	4
3	FUNCTIONAL MICRO DEVICES USING NANOPARTICLE-PHOTORESISTTCOMPOSITES. <i>International Journal of Computational Engineering Science</i> , 2003 , 04, 525-528		2

2	The synthesis of a nanodrug using metal-based nanozymes conjugated with ginsenoside Rg3 for pancreatic cancer therapy. <i>Nanoscale Advances</i> ,	5.1	1
1	Probing Membrane Transport of Single Live Cells Using Single-Molecule Detection and Single Nanoparticle Assay41-70		8