

# Mai Thanh Nguyen

## List of Publications by Citations

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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.

75  
papers

967  
citations

18  
h-index

24  
g-index

84  
ext. papers

1,272  
ext. citations

4.2  
avg, IF

4.81  
L-index

#	Paper	IF	Citations
75	Chemical synthesis of blue-emitting metallic zinc nano-hexagons. <i>CrystEngComm</i> , <b>2013</b> , 15, 6606	3.3	48
74	Sputtering onto a liquid: interesting physical preparation method for multi-metallic nanoparticles. <i>Science and Technology of Advanced Materials</i> , <b>2018</b> , 19, 883-898	7.1	43
73	Low temperature sintering process of copper fine particles under nitrogen gas flow with Cu <sup>2+</sup> -alkanolamine metallacycle compounds for electrically conductive layer formation. <i>RSC Advances</i> , <b>2016</b> , 6, 12048-12052	3.7	38
72	A new approach for additive-free room temperature sintering of conductive patterns using polymer-stabilized Sn nanoparticles. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 2228-2234	7.1	32
71	Microwave-Induced Plasma-In-Liquid Process for Nanoparticle Production. <i>Bulletin of the Chemical Society of Japan</i> , <b>2018</b> , 91, 1781-1798	5.1	30
70	Binder-Free Centimeter-Long V <sub>2</sub> O <sub>5</sub> Nanofibers on Carbon Cloth as Cathode Material for Zinc-Ion Batteries. <i>Energies</i> , <b>2020</b> , 13, 31	3.1	28
69	Preparation of Au/Pd Bimetallic Nanoparticles by a Microwave-Induced Plasma in Liquid Process. <i>Bulletin of the Chemical Society of Japan</i> , <b>2017</b> , 90, 279-285	5.1	27
68	Au/Cu Bimetallic Nanoparticles via Double-Target Sputtering onto a Liquid Polymer. <i>Langmuir</i> , <b>2017</b> , 33, 12389-12397	4	26
67	Porous ZnV <sub>2</sub> O <sub>4</sub> Nanowire for Stable and High-Rate Lithium-Ion Battery Anodes. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 4247-4256	5.6	26
66	Double target sputtering into liquid: A new approach for preparation of Ag/Au alloy nanoparticles. <i>Materials Letters</i> , <b>2016</b> , 171, 75-78	3.3	25
65	Synthesis of Positively Charged Photoluminescent Bimetallic Au-Ag Nanoclusters by Double-Target Sputtering Method on a Biocompatible Polymer Matrix. <i>Langmuir</i> , <b>2017</b> , 33, 9144-9150	4	23
64	Use of decomposable polymer-coated submicron Cu particles with effective additive for production of highly conductive Cu films at low sintering temperature. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1033-1041	7.1	22
63	Effect of decomposition and organic residues on resistivity of copper films fabricated via low-temperature sintering of complex particle mixed dispersions. <i>Scientific Reports</i> , <b>2017</b> , 7, 45150	4.9	21
62	Sn Nanorods with Active (001) Tip Induced LiF-Rich SEI Layer for Stable Anode Material in Lithium Ion Battery. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 3509-3519	5.6	21
61	Au Nanoplasma as Efficient Hard X-ray Emission Source. <i>ACS Photonics</i> , <b>2016</b> , 3, 2184-2190	6.3	20
60	Synthesis of magnetic mesoporous titania colloidal crystals through evaporation induced self-assembly in emulsion as effective and recyclable photocatalysts. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 27653-7	3.6	19
59	ZnV <sub>2</sub> O <sub>4</sub> : A potential anode material for sodium-ion batteries. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 88, 161-168	5.3	19

58	Annealing induced a well-ordered single crystal EMnO and its electrochemical performance in zinc-ion battery. <i>Scientific Reports</i> , <b>2019</b> , 9, 15107	4.9	18
57	MnO Heterostructure on Carbon Nanotubes as Cathode Material for Aqueous Zinc-Ion Batteries. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	18
56	Size-Tunable Alumina-Encapsulated Sn-Based Phase Change Materials for Thermal Energy Storage. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 3752-3760	5.6	17
55	Bismuth, antimony and tellurium alloy nanoparticles with controllable shape and composition for efficient thermoelectric devices. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2011</b> , 208, 52-58	1.6	17
54	Silver Decorated Reduced Graphene Oxide as Electrocatalyst for Zinc-Air Batteries. <i>Energies</i> , <b>2020</b> , 13, 462	3.1	16
53	Au Nanoparticles Prepared Using a Coated Electrode in Plasma-in-Liquid Process: Effect of the Solution pH. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 9257-9262	1.3	16
52	Electrochemical properties of novel FeVO as an anode for Na-ion batteries. <i>Scientific Reports</i> , <b>2018</b> , 8, 8839	4.9	16
51	Stabilization of the thermal decomposition process of self-reducible copper ion ink for direct printed conductive patterns. <i>RSC Advances</i> , <b>2017</b> , 7, 25095-25100	3.7	15
50	Effect of H2O2 on Au nanoparticle preparation using microwave-induced plasma in liquid. <i>Materials Chemistry and Physics</i> , <b>2017</b> , 193, 7-12	4.4	14
49	Sub-2 nm Single-Crystal Pt Nanoparticles via Sputtering onto a Liquid Polymer. <i>Langmuir</i> , <b>2018</b> , 34, 2876-2881	4.8	14
48	Matrix Sputtering into Liquid Mercaptan: From Blue-Emitting Copper Nanoclusters to Red-Emitting Copper Sulfide Nanoclusters. <i>Langmuir</i> , <b>2016</b> , 32, 12159-12165	4	14
47	High-Capacity Dual-Electrolyte Aluminum-Air Battery with Circulating Methanol Anolyte. <i>Energies</i> , <b>2020</b> , 13, 2275	3.1	13
46	Cladding layer on well-defined double-wall TiO2 nanotubes. <i>Langmuir</i> , <b>2015</b> , 31, 1575-80	4	13
45	Highly stable and blue-emitting copper nanocluster dispersion prepared by magnetron sputtering over liquid polymer matrix. <i>RSC Advances</i> , <b>2016</b> , 6, 105030-105034	3.7	13
44	Enhanced Cycling Performance of Rechargeable Zinc-Air Flow Batteries Using Potassium Persulfate as Electrolyte Additive. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	12
43	Preparation and Growth Mechanism of Pt/Cu Alloy Nanoparticles by Sputter Deposition onto a Liquid Polymer. <i>Langmuir</i> , <b>2019</b> , 35, 8418-8427	4	11
42	Structural Control Parameters for Formation of Single-Crystalline Sn Nanorods in Organic Phase. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 4554-4562	3.5	11
41	Proton-assisted low-temperature sintering of Cu fine particles stabilized by a proton-initiating degradable polymer. <i>RSC Advances</i> , <b>2015</b> , 5, 102904-102910	3.7	11

40	Study on formation mechanism and ligand-directed architectural control of nanoparticles composed of Bi, Sb and Te: towards one-pot synthesis of ternary (Bi,Sb) <sub>2</sub> Te <sub>3</sub> nanobuilding blocks. <i>RSC Advances</i> , <b>2011</b> , 1, 1089	3.7	11
39	Green Synthesis of Size-Tunable Iron Oxides and Iron Nanoparticles in a Salt Matrix. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 17697-17705	8.3	10
38	Electrochemical exploration of the effects of calcination temperature of a mesoporous zinc vanadate anode material on the performance of Na-ion batteries. <i>Inorganic Chemistry Frontiers</i> , <b>2019</b> , 6, 2653-2659	6.8	10
37	Binder-Free $\beta$ -MnO Nanowires on Carbon Cloth as Cathode Material for Zinc-ion Batteries. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	10
36	Synthesis of Au@CuO Core-Shell Nanoparticles with Tunable Shell Thickness and Their Degradation Mechanism in Aqueous Solutions. <i>Langmuir</i> , <b>2020</b> , 36, 3386-3392	4	10
35	Ligand free green plasma-in-liquid synthesis of Au/Ag alloy nanoparticles. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 5680-5687	3.6	10
34	Sn Nanoparticles Confined in Porous Silica Spheres for Enhanced Thermal Cyclic Stability. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 4073-4082	5.6	10
33	High Aspect Ratio and Post-Processing Free Silver Nanowires as Top Electrodes for Inverted-Structured Photodiodes. <i>ACS Omega</i> , <b>2019</b> , 4, 13303-13308	3.9	10
32	Highly Correlated Size and Composition of Pt/Au Alloy Nanoparticles via Magnetron Sputtering onto Liquid. <i>Langmuir</i> , <b>2020</b> , 36, 3004-3015	4	9
31	Femtosecond laser-induced hard X-ray generation in air from a solution flow of Au nano-sphere suspension using an automatic positioning system. <i>Optics Express</i> , <b>2016</b> , 24, 19994-20001	3.3	9
30	Effects of Additives on the Preparation of Ag Nanoparticles Using the Microwave-Induced Plasma in Liquid Process. <i>ChemistrySelect</i> , <b>2017</b> , 2, 7873-7879	1.8	9
29	l-Arginine-Stabilized Highly Uniform Ag Nanoparticles Prepared in a Microwave-Induced Plasma-in-Liquid Process (MWPLP). <i>Bulletin of the Chemical Society of Japan</i> , <b>2018</b> , 91, 362-367	5.1	8
28	A durable rechargeable zinc-air battery via self-supported MnOx-S air electrode. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 883, 160935	5.7	8
27	Monitor the Growth and Oxidation of Cu-nanoparticles in PEG after Sputtering. <i>MRS Advances</i> , <b>2019</b> , 4, 305-309	0.7	7
26	Synthesis of composition-tunable PdCu alloy nanoparticles by double target sputtering. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 4704-4712	3.6	7
25	Titanium oxide nanoparticle dispersions in a liquid monomer and solid polymer resins prepared by sputtering. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 9337-9343	3.6	7
24	Elucidation of the Complex Structure of Nanoparticles Composed of Bismuth, Antimony, and Tellurium Using Scanning Transmission Electron Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 17334-17340	3.8	7
23	Ethylene Glycol/Ethanol Anolyte for High Capacity Alkaline Aluminum-Air Battery With Dual-Electrolyte Configuration. <i>Frontiers in Energy Research</i> , <b>2020</b> , 8,	3.8	7

22	Reproducible shape control of single-crystal SnO micro particles. <i>RSC Advances</i> , <b>2016</b> , 6, 26725-26733	3.7	7
21	Benchmarking superfast electrodeposited bimetallic (Ni, Fe, Co, and Cu) hydroxides for oxygen evolution reaction. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 889, 161738	5.7	7
20	Particle size tuning in scalable synthesis of anti-oxidized copper fine particles by polypeptide molecular weights. <i>Advanced Powder Technology</i> , <b>2017</b> , 28, 1966-1971	4.6	6
19	Synthesis and fluorescence properties of a nanoisland-structured SiO <sub>x</sub> /Cu <sub>x</sub> O composite. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 8358-8363	7.1	6
18	Synthesis of Sn/Ag-Sn nanoparticles room temperature galvanic reaction and diffusion.. <i>RSC Advances</i> , <b>2019</b> , 9, 21786-21792	3.7	6
17	MHz-ultrasound generation by chirped femtosecond laser pulses from gold nano-colloidal suspensions. <i>Optics Express</i> , <b>2016</b> , 24, 17050-9	3.3	6
16	Enhanced Terahertz Emission from Cu <sub>x</sub> O/Metal Thin Film Deposited on Columnar-Structured Porous Silicon. <i>Bulletin of the Chemical Society of Japan</i> , <b>2015</b> , 88, 1385-1387	5.1	5
15	One-pot Chemical Synthesis of Zinc Antimonide Nanoparticles as Building Blocks for Nanostructured Thermoelectric Materials. <i>Chemistry Letters</i> , <b>2012</b> , 41, 1529-1531	1.7	5
14	Recent advances in oxygen electrocatalysts based on tunable structural polymers. <i>Materials Today Chemistry</i> , <b>2022</b> , 23, 100632	6.2	5
13	Synergistic Effect of the Oleic Acid and Oleylamine Mixed-Liquid Matrix on Particle Size and Stability of Sputtered Metal Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 18167-18176	8.3	5
12	Mesoporous Europium-Doped Titania Nanoparticles (Eu-MTNs) for Luminescence-Based Intracellular Bio-Imaging. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 9802-6	1.3	4
11	Size-controlled Preparation of Alkylamine-stabilized Copper Fine Particles from Cupric Oxide (CuO) Micro-particles. <i>MRS Advances</i> , <b>2019</b> , 4, 413-418	0.7	3
10	Surfactant-stabilized copper particles for low-temperature sintering: Paste preparation using a milling with small zirconia beads: Effect of pre-treatment with the disperse medium. <i>Advanced Powder Technology</i> , <b>2020</b> , 31, 4570-4575	4.6	3
9	Pt/Ag Solid Solution Alloy Nanoparticles in Miscibility Gaps Synthesized by Cosputtering onto Liquid Polymers. <i>Langmuir</i> , <b>2021</b> , 37, 6096-6105	4	3
8	Micro- and nano-encapsulated metal and alloy-based phase-change materials for thermal energy storage. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 4626-4645	5.1	3
7	Chemical Synthesis of Binary Solid Solution Bismuth-Antimony Nanoparticles with Control of Composition and Morphology. <i>Chemistry Letters</i> , <b>2014</b> , 43, 615-617	1.7	2
6	THz Wave Emission from ZnTe Nano-colloidal Aqueous Dispersion Irradiated by Femtosecond Laser. <i>Chemistry Letters</i> , <b>2020</b> , 49, 597-600	1.7	1
5	Alginate-Stabilized Gold Nanoparticles Prepared Using the Microwave-Induced Plasma-in-Liquid Process with Long-Term Storage Stability for Potential Biomedical Applications.. <i>ACS Omega</i> , <b>2022</b> , 7, 6238-6247	3.9	1

4	Control of nanoparticles synthesized vacuum sputter deposition onto liquids: a review.. <i>Soft Matter</i> , <b>2021</b> , 18, 19-47	3.6	1
3	In situ TEM observation of liquid-state Sn nanoparticles vanishing in a SiO <sub>2</sub> structure: a potential synthetic tool for controllable morphology evolution from core-shell to yolk-shell and hollow structures. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 1456-1464	5.1	1
2	THz wave emission from the Cu <sub>2</sub> O/Cu interface under femtosecond laser irradiation. <i>Applied Physics Express</i> , <b>2021</b> , 14, 012006	2.4	0
1	Anisotropic Growth of Copper Nanorods Mediated by Cl Ions.. <i>ACS Omega</i> , <b>2022</b> , 7, 7414-7420	3.9	