

# Lan Chen

## List of Publications by Year in descending order

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43  
papers

1,046  
citations

567281

15  
h-index

414414

32  
g-index

47  
all docs

47  
docs citations

47  
times ranked

2134  
citing authors

#	ARTICLE	IF	CITATIONS
1	PEGylated gold nanoparticles: polymer quantification as a function of PEG lengths and nanoparticle dimensions. RSC Advances, 2013, 3, 6085-6094.	3.6	262
2	Size-Related Lattice Parameter Changes and Surface Defects in Ceria Nanocrystals. Journal of Physical Chemistry C, 2010, 114, 12909-12919.	3.1	154
3	Alloyed Crystalline Au-Ag Hollow Nanostructures with High Chemical Stability and Catalytic Performance. ACS Applied Materials & Interfaces, 2016, 8, 16833-16844.	8.0	55
4	Low-temperature efficient degradation of ethyl acetate catalyzed by lattice-doped CeO <sub>2</sub> -CoO <sub>x</sub> nanocomposites. Catalysis Communications, 2016, 73, 123-127.	3.3	51
5	Toward stable zinc aqueous rechargeable batteries by anode morphology modulation via polyaspartic acid additive. Energy Storage Materials, 2022, 45, 777-785.	18.0	44
6	<i>In Situ</i> Measurement of Surface Functional Groups on Silica Nanoparticles Using Solvent Relaxation Nuclear Magnetic Resonance. Langmuir, 2017, 33, 8724-8729.	3.5	34
7	Conformation-Dependent Coordination of Carboxylic Acids with Fe <sub>3</sub> O <sub>4</sub> Nanoparticles Studied by ATR-FTIR Spectral Deconvolution. Langmuir, 2019, 35, 5770-5778.	3.5	34
8	A Facile Route to ZnO Nanoparticle Superlattices: Synthesis, Functionalization, and Self-Assembly. Journal of Physical Chemistry C, 2010, 114, 2003-2011.	3.1	31
9	Highly stable and durable Zn-metal anode coated by bi-functional protective layer suppressing uncontrollable dendrites growth and corrosion. Chemical Engineering Journal, 2022, 430, 132839.	12.7	25
10	Effect of relative humidity on the deposition and coagulation of aerosolized SiO <sub>2</sub> nanoparticles. Atmospheric Research, 2017, 194, 100-108.	4.1	24
11	Syntheses of complex mesoporous silicas using mixtures of nonionic block copolymer surfactants: Understanding formation of different structures using solubility parameters. Journal of Colloid and Interface Science, 2011, 353, 169-180.	9.4	23
12	Freestanding bucky paper with high strength from multi-wall carbon nanotubes. Materials Chemistry and Physics, 2012, 135, 921-927.	4.0	22
13	A new methodology for studying nanoparticle interactions in biological systems: Dispersing titania in biocompatible media using chemical stabilisers. Nanoscale, 2011, 3, 4617.	5.6	21
14	A green approach for efficient p-nitrophenol hydrogenation catalyzed by a Pd-based nanocatalyst. Catalysis Communications, 2015, 66, 95-99.	3.3	20
15	Recent development for biomedical applications of magnetic nanoparticles. Inorganic Chemistry Communication, 2021, 134, 108995.	3.9	20
16	Complex to simple: <i>In vitro</i> exposure of particulate matter simulated at the air-liquid interface discloses the health impacts of major air pollutants. Chemosphere, 2019, 223, 263-274.	8.2	17
17	One-Step Synthesis of Stoichiometrically Defined Metal Oxide Nanoparticles at Room Temperature. Chemistry - A European Journal, 2009, 15, 440-448.	3.3	14
18	Synergetic Determination of Thermodynamic and Kinetic Signatures Using Isothermal Titration Calorimetry: A Full-Curve-Fitting Approach. Analytical Chemistry, 2017, 89, 7130-7138.	6.5	14

#	ARTICLE	IF	CITATIONS
19	Mesopore constrictions derived from the substitutionally co-packed SBA-15. <i>Microporous and Mesoporous Materials</i> , 2010, 129, 179-188.	4.4	12
20	The Role of the OH Group in Citric Acid in the Coordination with Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. <i>Langmuir</i> , 2019, 35, 8325-8332.	3.5	11
21	Nanobubble boundary layer thickness quantified by solvent relaxation NMR. <i>Journal of Colloid and Interface Science</i> , 2022, 609, 637-644.	9.4	11
22	Dynamic Stable Nanostructured Metal Oxide Fractal Films Grown on Flat Substrates. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14286-14291.	3.1	10
23	Non-solvolytic synthesis of aqueous soluble TiO <sub>2</sub> nanoparticles and real-time dynamic measurements of the nanoparticle formation. <i>Nanoscale Research Letters</i> , 2012, 7, 297.	5.7	10
24	Experimental determination and analysis of gold nanorod settlement by differential centrifugal sedimentation. <i>RSC Advances</i> , 2016, 6, 43496-43500.	3.6	10
25	Chirality reversal, enhancement and transfer by pH-adjusted surfactant assembly. <i>Chemical Communications</i> , 2020, 56, 15345-15348.	4.1	10
26	Metal organic complexes as an artificial solid-electrolyte interface with Zn-ion transfer promotion for long-life zinc metal batteries. <i>Nanoscale</i> , 2021, 13, 20412-20416.	5.6	10
27	Experimental and Modeling Studies on the Filtration of SiO <sub>2</sub> Nanoparticles Aerosolized from Different Solvents. <i>Environmental Science &amp; Technology</i> , 2018, 52, 8733-8744.	10.0	9
28	Enhanced infrared-induced water oxidation by one-pot synthesized CoTi-Nanorods as highly infrared responsive photocatalyst. <i>Journal of Power Sources</i> , 2020, 464, 228176.	7.8	9
29	Synthesis of novel CoBiTi LDH and fabrication of LDH-LDO 3D-Heterojunction for enhanced infrared induced water splitting to hydrogen. <i>Journal of Cleaner Production</i> , 2022, 340, 130663.	9.3	9
30	Ultra-long metal nanowire arrays on solid substrate with strong bonding. <i>Nanoscale Research Letters</i> , 2011, 6, 525.	5.7	8
31	Concurrent Detection of Protein Adsorption on Mixed Nanoparticles by Differential Centrifugal Sedimentation. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1700134.	2.3	8
32	Suppressed phase transition of a Rb/K incorporated inorganic perovskite with a water-repelling surface. <i>Nanoscale</i> , 2020, 12, 6571-6581.	5.6	8
33	Synthesis and stability of IR-820 and FITC doped silica nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 294-302.	9.4	7
34	Novel cyanate intercalated CoBi layered double hydroxide for ultimate charge separation and superior water splitting. <i>Journal of Cleaner Production</i> , 2021, 313, 127868.	9.3	7
35	Green Catalytic Degradation of Ethyl Acetate Incurred by Strong Interaction Between PdO and Ce <sub>0.5</sub> Co <sub>0.5</sub> Support at Low Temperature. <i>Catalysis Letters</i> , 2017, 147, 128-140.	2.6	6
36	Facile Synthesis of Oxygen Nanogenerators. <i>Nanoscience and Nanotechnology Letters</i> , 2009, 1, 47-51.	0.4	5

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37	Facile Synthesis of Monodisperse ZnO Nanocrystals by Direct Liquid Phase Precipitation. Journal of Nanomaterials, 2011, 2011, 1-9.	2.7	5
38	A practical method to evaluate major statistical errors in isothermal titration calorimetry. Thermochimica Acta, 2020, 689, 178626.	2.7	3
39	Two-Dimensional Fractal Structures of Metal Oxides Synthesized at Room Temperature. Advanced Materials Research, 2008, 47-50, 1177-1180.	0.3	2
40	Structure and optical property of composites based on ternary Zn <sub>1-x</sub> Cd <sub>x</sub> O nanoparticles dispersed in octosilicate. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2015, 195, 30-37.	3.5	2
41	Size-dependent adsorption and its application in determining the number of surfactant molecule adsorbed on multimodal SiO <sub>2</sub> particles by 2D-DCS. Analyst, The, 2018, 143, 4630-4637.	3.5	2
42	Estimation of non-constant variance in isothermal titration calorimetry using an ITC measurement model. PLoS ONE, 2020, 15, e0244739.	2.5	2
43	From dendritic mesoporous silica microspheres to waxberry-like hierarchical hollow carbon spheres: rational design of carbon host for lithium sulfur batteries. Nanotechnology, 2021, 32, 485405.	2.6	0