

Cheng Yang

List of Publications by Year in descending order

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72
papers

1,946
citations

394421

19
h-index

265206

42
g-index

73
all docs

73
docs citations

73
times ranked

2825
citing authors

#	ARTICLE	IF	CITATIONS
1	Modified carbon nanotube composites with high dielectric constant, low dielectric loss and large energy density. <i>Carbon</i> , 2009, 47, 1096-1101.	10.3	294
2	Room-temperature gas sensors based on ZnO nanorod/Au hybrids: Visible-light-modulated dual selectivity to NO ₂ and NH ₃ . <i>Journal of Hazardous Materials</i> , 2020, 381, 120919.	12.4	168
3	Supramolecular photochirogenesis. <i>Chemical Society Reviews</i> , 2014, 43, 4123-4143.	38.1	152
4	Green synthesis of enzyme/metal-organic framework composites with high stability in protein denaturing solvents. <i>Bioresources and Bioprocessing</i> , 2017, 4, 24.	4.2	122
5	Effect of coupling agents on the dielectric properties of CaCu ₃ Ti ₄ O ₁₂ /PVDF composites. <i>Composites Part B: Engineering</i> , 2013, 50, 180-186.	12.0	104
6	Nanocomposites of poly(vinylidene fluoride) - Controllable hydroxylated/carboxylated graphene with enhanced dielectric performance for large energy density capacitor. <i>Carbon</i> , 2017, 117, 301-312.	10.3	89
7	Preparation of Pickering emulsions with short, medium and long chain triacylglycerols stabilized by starch nanocrystals and their in vitro digestion properties. <i>RSC Advances</i> , 2016, 6, 99496-99508.	3.6	76
8	Synthesis of Isocoumarins from Cyclic 2-Diazo-1,3-diketones and Benzoic Acids via Rh(III)-Catalyzed C-H Activation and Esterification. <i>Journal of Organic Chemistry</i> , 2017, 82, 2081-2088.	3.2	72
9	Prognostics and Health Management of Bearings Based on Logarithmic Linear Recursive Least-Squares and Recursive Maximum Likelihood Estimation. <i>IEEE Transactions on Industrial Electronics</i> , 2018, 65, 1549-1558.	7.9	57
10	Montmorillonite and alginate co-stabilized biocompatible Pickering emulsions with multiple-stimulus tunable rheology. <i>Journal of Colloid and Interface Science</i> , 2020, 562, 529-539.	9.4	39
11	A New Type of Sulfobetaine Surfactant with Double Alkyl Polyoxyethylene Ether Chains for Enhanced Oil Recovery. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 967-977.	2.1	38
12	A facile method to fabricate polystyrene/silver composite particles and their catalytic properties. <i>RSC Advances</i> , 2013, 3, 26361.	3.6	36
13	Elastic, Persistently Moisture-Retentive, and Wearable Biomimetic Film Inspired by Fetal Scarless Repair for Promoting Skin Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5542-5556.	8.0	32
14	An innovative role for luteolin as a natural quorum sensing inhibitor in <i>Pseudomonas aeruginosa</i> . <i>Life Sciences</i> , 2021, 274, 119325.	4.3	31
15	On-chip grown ZnO nanosheet-array with interconnected nanojunction interfaces for enhanced optoelectronic NO ₂ gas sensing at room temperature. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 19-28.	9.4	30
16	Controlled synthesis of metal-organic frameworks coated with noble metal nanoparticles and conducting polymer for enhanced catalysis. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 262-268.	9.4	30
17	High-performance liquid chromatography-electrospray ionization mass spectrometry determination of sodium ferulate in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 945-950.	2.8	28
18	Emulsions stabilized by highly hydrophilic TiO ₂ nanoparticles via van der Waals attraction. <i>Journal of Colloid and Interface Science</i> , 2021, 589, 378-387.	9.4	26

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19	ZrC/C aerogel with high compressive strength by a carbothermic process. <i>Journal of the European Ceramic Society</i> , 2021, 41, 4710-4719.	5.7	25
20	Engineering proteinaceous colloidosomes as enzyme carriers for efficient and recyclable Pickering interfacial biocatalysis. <i>Chemical Science</i> , 2021, 12, 12463-12467.	7.4	20
21	Manipulating β -cyclodextrin-mediated photocyclodimerization of anthracenecarboxylate by wavelength, temperature, solvent and host. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 190-198.	2.9	19
22	In Situ Growth of Clean Pd Nanoparticles on Polystyrene Microspheres Assisted by Functional Reduced Graphene Oxide and Their Excellent Catalytic Properties. <i>Langmuir</i> , 2017, 33, 8157-8164.	3.5	19
23	Functional polyaniline-assisted decoration of polystyrene microspheres with noble metal nanoparticles and their enhanced catalytic properties. <i>New Journal of Chemistry</i> , 2016, 40, 10398-10405.	2.8	18
24	The influence of preparation conditions on the fluorescence properties of Eu(Sal)3Phen. <i>Luminescence</i> , 2006, 21, 98-105.	2.9	16
25	Preparation and luminescence performance of rare earth agriculture-used light transformation composites. <i>Journal of Materials Science</i> , 2008, 43, 1681-1687.	3.7	16
26	Facile and controllable synthesis of polystyrene/palladium nanoparticle@polypyrrole nanocomposite particles. <i>Polymer Chemistry</i> , 2013, 4, 4655.	3.9	16
27	Synthesis of 3,4-Diaryl-4H-spiro[indoline-3,5'-[1,2,4-oxadiazol]-2'-ones] via DMAP-catalyzed Domino Reactions and Their Antibacterial Activity. <i>Chinese Journal of Chemistry</i> , 2016, 34, 901-909.	4.9	16
28	A simple and general approach for the decoration of interior surfaces of silica hollow microspheres with noble metal nanoparticles and their application in catalysis. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1634-1641.	6.0	16
29	Compression and reduction of graphene oxide aerogels into flexible, porous and functional graphene films. <i>Journal of Materials Science</i> , 2019, 54, 13147-13156.	3.7	16
30	Injectable Enzyme-Based Hydrogel Matrix with Precisely Oxidative Stress Defense for Promoting Dermal Repair of Burn Wound. <i>Macromolecular Bioscience</i> , 2020, 20, e2000036.	4.1	16
31	Synthesis and properties of blue light electroluminescent conjugated copolymer based on fluorene and carbazole with an alkyl functional group at the 9-position. <i>Journal of Materials Science</i> , 2012, 47, 3315-3319.	3.7	15
32	Temperature-Switchable Surfactant-Free Microemulsion. <i>Langmuir</i> , 2020, 36, 7356-7364.	3.5	15
33	Build a Rigid-Flexible Graphene/Silicone Interface by Embedding SiO ₂ for Adhesive Application. <i>ACS Omega</i> , 2017, 2, 1063-1073.	3.5	14
34	Oxidative Rearrangement of Isatins with Arylamines Using H ₂ O ₂ as Oxidant: A Facile Synthesis of Quinazoline-2,4-diones and Evaluation of Their Antibacterial Activity. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1835-1843.	4.9	14
35	Simultaneous SPE-LC Determination of Three Flavonoid Glycosides of Naringin, Neohesperidin and Hesperidin in Da-Cheng-Qi Decoction. <i>Chromatographia</i> , 2007, 66, 763-766.	1.3	13
36	Synthesis of 2-Arylimino-6,7-dihydrobenzo[d][1,3]oxathiol-4(5H)-ones via Rh ₂ (OAc) ₄ -Catalyzed Reactions of Cyclic 2-Diazo-1,3-diketones with Aryl Isothiocyanates. <i>ACS Omega</i> , 2016, 1, 1277-1283.	3.5	13

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37	Smart and designable graphene@SiO ₂ nanocomposites with multifunctional applications in silicone elastomers and polyaniline supercapacitors. RSC Advances, 2017, 7, 11478-11490.	3.6	13
38	Facile fabrication of PS/Fe ₃ O ₄ @PANI nanocomposite particles and their application for the effective removal of Cu ²⁺ . New Journal of Chemistry, 2017, 41, 14137-14144.	2.8	13
39	Construction of Crowning β-cyclodextrin with Temperature Response and Efficient Properties of Host-Guest Inclusion. Langmuir, 2018, 34, 11567-11574.	3.5	13
40	The correlated effects of filler loading on the curing reaction and mechanical properties of graphene oxide reinforced epoxy nanocomposites. Journal of Materials Science, 2021, 56, 3723-3737.	3.7	13
41	Preparation and properties of multifunctional sinapic acid corn bran arabinoxylan esters. International Journal of Biological Macromolecules, 2018, 106, 1279-1287.	7.5	11
42	Covalent polymer functionalized graphene oxide/poly(ether ether ketone) composites for fused deposition modeling: improved mechanical and tribological performance. RSC Advances, 2020, 10, 25685-25695.	3.6	11
43	Facile and controllable assembly of multiwalled carbon nanotubes on polystyrene microspheres. Chinese Journal of Polymer Science (English Edition), 2014, 32, 711-717.	3.8	10
44	Improving the Performance of Dielectric Nanocomposites by Utilizing Highly Conductive Rigid Core and Extremely Low Loss Shell. Journal of Physical Chemistry C, 2020, 124, 12883-12896.	3.1	10
45	Dual-targeting nanoparticles with excellent gene transfection efficiency for gene therapy of peritoneal metastasis of colorectal cancer. Oncotarget, 2017, 8, 89837-89847.	1.8	10
46	Preparation of Tb(Pht) ₃ Phen/rubber composites and characterization of their fluorescent properties. Journal of Applied Polymer Science, 2005, 96, 20-28.	2.6	9
47	Facile synthesis of polystyrene/gold composite particles as a highly active and reusable catalyst for aerobic oxidation of benzyl alcohol in water. RSC Advances, 2014, 4, 24769-24772.	3.6	9
48	Improved antioxidative performance of a water-soluble copper nanoparticle@fullerenol composite formed via photochemical reduction. New Journal of Chemistry, 2021, 45, 17660-17666.	2.8	8
49	Pure blue light-emitting fluorene-based conjugated polymer with excellent thermal, photophysical, and electroluminescent properties. Journal of Materials Science, 2013, 48, 6719-6727.	3.7	7
50	An instantaneous cutting force model for disc mill cutter based on the machining blisk-tunnel of aero-engine. International Journal of Advanced Manufacturing Technology, 2018, 99, 233-246.	3.0	7
51	One-Step Preparation of All-Natural Pickering Double Emulsions Stabilized by Oppositely Charged Biopolymer Particles. Advanced Materials Interfaces, 2021, 8, 2101568.	3.7	7
52	Improved stability and skin penetration through glycethosomes loaded with glycyrrhetic acid. International Journal of Cosmetic Science, 2022, 44, 249-261.	2.6	7
53	Different molecular weight hyaluronic acid alleviates inflammation response in DNFB-induced mice atopic dermatitis and LPS-induced RAW 264.7 cells. Life Sciences, 2022, 301, 120591.	4.3	7
54	Enhanced microwave absorption properties of reduced graphene oxide/TiO ₂ nanowire composites synthesized via simultaneous carbonation and hydrogenation. Journal of Materials Chemistry C, 2022, 10, 9586-9595.	5.5	7

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55	Synthesis of unsymmetrical urea derivatives <i>via</i> one-pot sequential three-component reactions of cyclic 2-diazo-1,3-diketones, carbodiimides, and 1,2-dihaloethanes. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4178-4182.	2.8	6
56	Simultaneous Quantification of Sodium Ferulate, Salicylic Acid, Cinnarizine and Vitamin B1 in Human Plasma by LC Tandem MS Detection. <i>Chromatographia</i> , 2008, 67, 583-590.	1.3	5
57	Completely green synthesis of Ag nanoparticles stabilized by soy protein isolate under UV irradiation. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 852-856.	1.0	5
58	Smart construction of palladium@polypyrrole nanocomposite coating on a magnetic support as a highly efficient and recyclable catalyst. <i>New Journal of Chemistry</i> , 2018, 42, 15946-15953.	2.8	5
59	Facile Solvent Mixing Strategy for Extracting Highly Enriched (6,5)Single-Walled Carbon Nanotubes in Improved Yield. <i>Bulletin of the Chemical Society of Japan</i> , 2021, 94, 1166-1171.	3.2	4
60	Graphene aerogel induced by ethanol-assisted method for excellent electromagnetic wave absorption. <i>Journal of Materials Science</i> , 2022, 57, 453-466.	3.7	4
61	Controllable thermal treatment of reduced graphene oxide for tunable electromagnetic wave absorption performance. <i>Solid State Sciences</i> , 2022, 128, 106886.	3.2	4
62	Efficient Indexing for Mobile Image Retrieval. , 2011, , .		3
63	Electromagnetic Wave Absorption Property of Graphene with Fe ₃ O ₄ Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 1483-1490.	0.9	3
64	Surfactant-Dependent Charge Transfer between Polyoxometalates and Single-Walled Carbon Nanotubes: A Fluorescence Spectroscopic Study. <i>Chemistry - an Asian Journal</i> , 2018, 13, 210-216.	3.3	3
65	Face Recognition for Embedded System Based on Optimized Triplet Loss Neural Network. , 2020, , .		3
66	Facile preparation of Fe ₃ O ₄ /carbon and polyhydroxy iron cation/polyaniline hollow particles. <i>Colloid and Polymer Science</i> , 2013, 291, 1287-1291.	2.1	2
67	The correlated effects of polyetheramine-functionalized graphene oxide loading on the curing reaction and the mechanical properties of epoxy composites. <i>High Performance Polymers</i> , 2021, 33, 832-847.	1.8	2
68	Identification of Deep Breath While Moving Forward Based on Multiple Body Regions and Graph Signal Analysis. , 2021, , .		2
69	Prominent antibacterial effect of sub 5 nm Cu nanoparticles/MoS ₂ composite under visible light. <i>Nanotechnology</i> , 2022, 33, 075706.	2.6	2
70	Effect of PEO crystallization on dielectric response of PVDF / PEO @ IL coaxial electrospinning nanofiber films. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51832.	2.6	0
71	One-Step Preparation of All-Natural Pickering Double Emulsions Stabilized by Oppositely Charged Biopolymer Particles (<i>Adv. Mater. Interfaces</i> 23/2021). <i>Advanced Materials Interfaces</i> , 2021, 8, .	3.7	0
72	Efficient Antimicrobial Effect of Alginate-Catechol/Fe ²⁺ Coating on Hydroxyapatite toward Oral Care Application. <i>ACS Applied Bio Materials</i> , 2022, 5, 2152-2162.	4.6	0