

Wensheng Yang

List of Publications by Year in descending order

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107
papers

5,695
citations

101384

36
h-index

76769

74
g-index

110
all docs

110
docs citations

110
times ranked

9550
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Efficient Multi-Resonance Thermally Activated Delayed Fluorescence Material with a Narrow Full Width at Half-Maximum of 0.14 eV. <i>Small</i> , 2022, 18, e2106462.	5.2	50
2	Growth and Etching of Centimeter-Scale Self-Assembly Graphene/h-BN Super-Ordered Arrays: Implications for Integrated Electronic Devices. <i>ACS Applied Nano Materials</i> , 2022, 5, 774-781.	2.4	5
3	Efficient loading of curcumin into CTAB micelle-embedded silica particles for visualized pH detection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 637, 128250.	2.3	1
4	Ultrafast Photophysics of Multiple-Resonance Ultrapure Blue Emitters. <i>Journal of Physical Chemistry B</i> , 2022, 126, 2729-2739.	1.2	5
5	3-Aminopropyltriethoxysilane-directed formation of Au popcorns for colorimetric and SERS dual detection of cysteine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129033.	2.3	4
6	Confined Assembly of Colloidal Nanorod Superstructures by Locally Controlling Free Volume Entropy in Nonequilibrium Fluids. <i>Advanced Materials</i> , 2022, 34, e2202119.	11.1	5
7	Monoglycocalix[4]arene-based nanoparticles for tumor selective drug delivery via GLUT1 recognition of hyperglycolytic cancers. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 4884-4887.	1.5	3
8	Tuning Hybridized Local and Charge-Transfer Mixing for Efficient Hot-Exciton Emission with Improved Color Purity. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6664-6673.	2.1	5
9	The effect of indium doping on the hydrogen evolution performance of g-C ₃ N ₄ based photocatalysts. <i>New Journal of Chemistry</i> , 2021, 45, 544-550.	1.4	19
10	Promoting hydrogen evolution of a g-C ₃ N ₄ -based photocatalyst by indium and phosphorus co-doping. <i>New Journal of Chemistry</i> , 2021, 45, 7231-7238.	1.4	14
11	Controlled growth of 2D ultrathin Ga ₂ O ₃ crystals on liquid metal. <i>Nanoscale Advances</i> , 2021, 3, 4411-4415.	2.2	5
12	Peptide modified manganese-doped iron oxide nanoparticles as a sensitive fluorescence nanosensor for non-invasive detection of trypsin activity in vitro and in vivo. <i>RSC Advances</i> , 2021, 11, 2213-2220.	1.7	6
13	Zero-dimensional plate-shaped copper halide crystals with green-yellow emissions. <i>Materials Advances</i> , 2021, 2, 3744-3751.	2.6	12
14	Tetrabutylammonium bromide assisted preparation of monodispersed submicrometer silica particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 614, 126171.	2.3	4
15	Glutathione-Capped Au Nanoclusters Embedded in NaCl Crystals for White Light-Emitting Devices. <i>ACS Applied Nano Materials</i> , 2021, 4, 7486-7492.	2.4	13
16	Au Nanoflowers for Catalyzing and In Situ Surface-Enhanced Raman Spectroscopy Monitoring of the Dimerization of p-Aminothiophenol. <i>ACS Omega</i> , 2021, 6, 25720-25728.	1.6	3
17	Cetyltrimethylammonium bromide promoted dispersing and incorporation of curcumin into silica particles in alkaline ethanol/water mixture. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 624, 126789.	2.3	4
18	Preparation of fractal-like silica particles based on Stober method by using tetrabutylammonium hydroxide as co-catalyst. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 626, 127091.	2.3	6

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19	Histidine-directed formation of Ag octopods via pseudomorphic transformation of Ag ₂ O. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5478-5485.	3.2	0
20	ICG@ZIF-8/PDA/Ag composites as chemo-photothermal antibacterial agents for efficient sterilization and enhanced wound disinfection. <i>Journal of Materials Chemistry B</i> , 2021, 9, 9961-9970.	2.9	24
21	Exciton-Phonon Coupling and Low Energy Emission in 2D and Quasi-2D BA ₂ MA _{1-x} Pb _x I _{3-x+1} Thin Films with Improved Phase Purity. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12336-12344.	2.1	8
22	N-Doped Carbon Dots Embedded in Silica Nanoparticles with Multicolor Luminescence for Light-Emitting Devices. <i>ACS Applied Nano Materials</i> , 2021, 4, 13625-13632.	2.4	4
23	Color Tunable Self-Trapped Emissions from Lead-Free All Inorganic IA ₂ B Bimetallic Halides CsAgX (X = Cl, I, Br). <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 12345-12350.	5.2	144
24	Animal heat activated cancer therapy by a traditional catalyst TiO ₂ -Pd/graphene composites. <i>Scientific Reports</i> , 2020, 10, 15823.	1.6	2
25	Facile Synthesis, Enhanced Photostability, and Long-term Cellular Imaging of Bright Red Luminescent Organosilica Nanoparticles. <i>ACS Applied Bio Materials</i> , 2020, 3, 5438-5445.	2.3	4
26	Histidine-directed formation of nearly monodispersed silver nanoflowers and their ultra-high peroxidase-like activity under physiological pH. <i>Applied Surface Science</i> , 2020, 532, 147457.	3.1	7
27	BiOI/Bi ₂ O ₃ /CO ₃ Two-Dimensional Heteronanostructures with Boosting Charge Carrier Separation Behavior and Enhanced Visible-Light Photocatalytic Performance. <i>Journal of Physical Chemistry C</i> , 2020, 124, 20294-20308.	1.5	19
28	Fabrication of Bovine Serum Albumin@Au Particles for Colorimetric Detection of Glutathione. <i>ACS Applied Bio Materials</i> , 2020, 3, 9109-9116.	2.3	5
29	Theoretical design of two-dimensional carbon nitrides. <i>Nanotechnology</i> , 2020, 31, 495707.	1.3	11
30	Rationalized Fabrication of Structure-Tailored Multishelled Hollow Silica Spheres. <i>Chemistry of Materials</i> , 2019, 31, 7470-7477.	3.2	25
31	CXC Chemokine Receptor 4 Antagonist Functionalized Renal Clearable Manganese-Doped Iron Oxide Nanoparticles for Active-Tumor-Targeting Magnetic Resonance Imaging-Guided Bio-Photothermal Therapy. <i>ACS Applied Bio Materials</i> , 2019, 2, 3613-3621.	2.3	18
32	Bovine serum albumin assisted preparation of ultra-stable gold nanoflowers and their selective Raman response to charged dyes. <i>RSC Advances</i> , 2019, 9, 28228-28233.	1.7	7
33	Optimizing the activity of Pd based catalysts towards room-temperature formic acid decomposition by Au alloying. <i>Catalysis Science and Technology</i> , 2019, 9, 588-592.	2.1	19
34	Fabrication of prime number checkers based on colorimetric responses of gold nanoparticles. <i>New Journal of Chemistry</i> , 2019, 43, 8728-8734.	1.4	1
35	The effect of NaOH on lowering interfacial tension of oil/alkylbenzene sulfonates solution. <i>RSC Advances</i> , 2018, 8, 6169-6177.	1.7	17
36	Luminescent metal clusters/barium sulfate composites for white light-emitting devices and anti-counterfeiting labels. <i>RSC Advances</i> , 2018, 8, 2866-2871.	1.7	6

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37	Colloidal silica assisted fabrication of N,O,S-tridoped porous carbon nanosheets with excellent oxygen reduction performance. <i>Chemical Communications</i> , 2018, 54, 4017-4020.	2.2	14
38	Aggregation-Enhanced Emission of Gold Nanoclusters Induced by Serum Albumin and Its Application to Protein Detection and Fabrication of Molecular Logic Gates. <i>ACS Omega</i> , 2018, 3, 12763-12769.	1.6	28
39	Dotâ€‘Wireâ€‘Plateletâ€‘Cube: Step Growth and Structural Transformations in CsPbBr ₃ Perovskite Nanocrystals. <i>ACS Energy Letters</i> , 2018, 3, 2014-2020.	8.8	106
40	Phase Engineering of Hydrophobic Meso-Environments in Silica Particles for Technical Performance Enrichment. <i>Langmuir</i> , 2018, 34, 7428-7435.	1.6	3
41	Tumor Microenvironmentâ€‘Triggered Aggregation of Antiphagocytosis ^{99m} Tcâ€‘Labeled Fe ₃ O ₄ Nanoprobes for Enhanced Tumor Imaging In Vivo. <i>Advanced Materials</i> , 2017, 29, 1701095.	11.1	162
42	Unraveling the Growth Mechanism of Silica Particles in the StÃ‘ber Method: In Situ Seeded Growth Model. <i>Langmuir</i> , 2017, 33, 5879-5890.	1.6	136
43	Controlling the Growth of Molecular Crystal Aggregates with Distinct Linear and Nonlinear Optical Properties. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30862-30871.	4.0	13
44	Polyelectrolyte-assisted preparation of gold nanocluster-doped silica particles with high incorporation efficiency and improved stability. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	0.8	6
45	Bandgapâ€‘and Radialâ€‘Positionâ€‘Dependent Mnâ€‘Doped Znâ€‘Cuâ€‘Inâ€‘S/ZnS Core/Shell Nanocrystals. <i>ChemPhysChem</i> , 2016, 17, 752-758.	1.0	10
46	Bioinspired 1D Superparamagnetic Magnetite Arrays with Magnetic Field Perception. <i>Advanced Materials</i> , 2016, 28, 6952-6958.	11.1	45
47	Non-injection gram-scale synthesis of cesium lead halide perovskite quantum dots with controllable size and composition. <i>Nano Research</i> , 2016, 9, 1994-2006.	5.8	93
48	Ultra-small nickel phosphide nanoparticles as a high-performance electrocatalyst for the hydrogen evolution reaction. <i>RSC Advances</i> , 2016, 6, 74895-74902.	1.7	12
49	Controlling the Interface Areas of Organic/Inorganic Semiconductor Heterojunction Nanowires for High-Performance Diodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21563-21569.	4.0	26
50	Colloidal preparation and electrocatalytic hydrogen production of MoS ₂ and WS ₂ nanosheets with controllable lateral sizes and layer numbers. <i>Nanoscale</i> , 2016, 8, 15262-15272.	2.8	64
51	Size-selective separation of DNA fragments by using lysine-functionalized silica particles. <i>Scientific Reports</i> , 2016, 6, 22029.	1.6	20
52	Extraordinarily Durable Graphdiyne-Supported Electrocatalyst with High Activity for Hydrogen Production at All Values of pH. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31083-31091.	4.0	125
53	Small is Smarter: Nano MRI Contrast Agents â€‘ Advantages and Recent Achievements. <i>Small</i> , 2016, 12, 556-576.	5.2	147
54	One-pot synthesis of size-tunable hollow gold nanoshells via APTES-in-water suspension. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 502, 6-12.	2.3	20

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55	An ambipolar organic field-effect transistor based on an AIE-active single crystal with a high mobility level of $2.0 \text{ cm}^2/\text{Vs}$. <i>Chemical Communications</i> , 2016, 52, 2370-2373.	2.2	73
56	Citrate-Regulated Surface Morphology of SiO_2/Au Particles To Control the Surface Plasmonic Properties. <i>Journal of Physical Chemistry C</i> , 2016, 120, 377-385.	1.5	25
57	Single-phase dual emissive Cu:CdS@ZnSe core-shell nanocrystals with zero self-absorption and their application in white light emitting diodes. <i>Journal of Materials Chemistry C</i> , 2015, 3, 3614-3622.	2.7	23
58	Controllable growth of organic nanostructures from 0D to 1D with different optical properties. <i>RSC Advances</i> , 2015, 5, 100457-100463.	1.7	3
59	Protease-Activated Ratiometric Fluorescent Probe for pH Mapping of Malignant Tumors. <i>ACS Nano</i> , 2015, 9, 3199-3205.	7.3	102
60	Large-scale synthesis of single-source, thermally stable, and dual-emissive Mn-doped ZnCuInS nanocrystals for bright white light-emitting diodes. <i>Nano Research</i> , 2015, 8, 3316-3331.	5.8	46
61	Gold Nanoparticle-Based Facile Detection of Human Serum Albumin and Its Application as an INHIBIT Logic Gate. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8990-8998.	4.0	43
62	Cleaning of Oil Fouling with Water Enabled by Zwitterionic Polyelectrolyte Coatings: Overcoming the Imperative Challenge of Oil-Water Separation Membranes. <i>ACS Nano</i> , 2015, 9, 9188-9198.	7.3	287
63	Upconversion luminescence nanoparticles-based lateral flow immunochromatographic assay for cephalexin detection. <i>Journal of Materials Chemistry C</i> , 2014, 2, 9637-9642.	2.7	48
64	Glutathione-facilitated design and fabrication of gold nanoparticle-based logic gates and keypad lock. <i>Nanoscale</i> , 2014, 6, 8300-8305.	2.8	22
65	High-purity gold nanocrystal dimers: scalable synthesis and size-dependent plasmonic and Raman enhancement. <i>Chemical Science</i> , 2014, 5, 311-323.	3.7	17
66	Syntheses and Characterization of Nearly Monodispersed, Size-Tunable Silver Nanoparticles over a Wide Size Range of 7-200 nm by Tannic Acid Reduction. <i>Langmuir</i> , 2014, 30, 3876-3882.	1.6	112
67	Synthesis of donor-acceptor molecules based on isoxazolones for investigation of their nonlinear optical properties. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5694.	2.7	36
68	Bifunctional Superparticles Achieved by Assembling Fluorescent $\text{CuInS}_2/\text{ZnS}$ Quantum Dots and Amphibious Fe_3O_4 Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21014-21020.	1.5	21
69	Improved activity of immobilized horseradish peroxidase on gold nanoparticles in the presence of bovine serum albumin. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	14
70	Effects of Cu^{2+} on aggregation behavior of poly (l-Glutamic Acid)-functionalized gold nanoparticles. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	5
71	THE IN VIVO INVESTIGATION OF Fe_3O_4 -NANOPARTICLES ACUTE TOXICITY IN MICE. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2012, 24, 229-235.	0.3	9
72	Charge reversible gold nanoparticles for high efficient absorption and desorption of DNA. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	5

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73	A Simple Route for Highly Luminescent Quaternary Cu-Zn-In-S Nanocrystal Emitters. <i>Chemistry of Materials</i> , 2011, 23, 3357-3361.	3.2	229
74	Incorporating anionic dyes into silicananoparticles by using a cationic polyelectrolyte as a bridge. <i>Journal of Materials Chemistry</i> , 2011, 21, 1147-1152.	6.7	29
75	Preparation of nearly monodispersed Fe ₃ O ₄ /SiO ₂ composite particles from aggregates of Fe ₃ O ₄ nanoparticles. <i>Journal of Materials Chemistry</i> , 2011, 21, 15352.	6.7	49
76	Mesoporous silica-coated superparamagnetic particles prepared by pseudomorphic transformation and their application in purification of plasmid DNA. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6613-6620.	0.8	13
77	Potential-induced Raman behavior of individual (i>R</i>)â€”â€”naphthylprolinol molecules on a Agâ€”modified Ag electrode. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 951-957.	1.2	3
78	Synthesis of Triangular Silver Nanoprisms by Stepwise Reduction of Sodium Borohydride and Trisodium Citrate. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2070-2074.	1.5	123
79	Synthesis of Monodisperse, Highly Emissive, and Size-Tunable Cd ₃ P ₂ Nanocrystals. <i>Chemistry of Materials</i> , 2010, 22, 3820-3822.	3.2	47
80	Aqueous Synthesis of ZnSe Nanocrystals by Using Glutathione As Ligand: The pH-Mediated Coordination of Zn ²⁺ with Glutathione. <i>Journal of Physical Chemistry C</i> , 2010, 114, 11087-11091.	1.5	69
81	Tuning the Emission Properties of Ru(phen) ₃ ²⁺ Doped Silica Nanoparticles by Changing the Addition Time of the Dye during the Stâ€”ber Process. <i>Langmuir</i> , 2010, 26, 6657-6662.	1.6	51
82	Preparation of Fe ₃ O ₄ /polystyrene composite particles from monolayer oleic acid modified Fe ₃ O ₄ nanoparticles via miniemulsion polymerization. <i>Journal of Nanoparticle Research</i> , 2009, 11, 289-296.	0.8	78
83	Self-assembly of luminescent twisted fibers based on achiral quinacridone derivatives. <i>Nano Research</i> , 2009, 2, 493-499.	5.8	18
84	Phenanthroline method for quantitative determination of surface carboxyl groups on carboxylated polystyrene particles with high sensitivity. <i>Surface and Interface Analysis</i> , 2009, 41, 577-580.	0.8	5
85	pH-dependent aggregation of citrate-capped Au nanoparticles induced by Cu ²⁺ ions: The competition effect of hydroxyl groups with the carboxyl groups. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 346, 216-220.	2.3	38
86	Shape Control of Silver Nanoparticles by Stepwise Citrate Reduction. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6573-6576.	1.5	291
87	Structure and Phase Transition Behavior of Sn ⁴⁺ -Doped TiO ₂ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009, 113, 18121-18124.	1.5	110
88	Formation and Stability of Gold Nanoflowers by the Seeding Approach: The Effect of Intraparticle Ripening. <i>Journal of Physical Chemistry C</i> , 2009, 113, 16645-16651.	1.5	122
89	Highly magnetizable superparamagnetic iron oxide nanoparticles embedded mesoporous silica spheres and their application for efficient recovery of DNA from agarose gel. <i>Journal of Materials Chemistry</i> , 2009, 19, 1811.	6.7	62
90	Synthesis of robust water-soluble ZnS:Mn/SiO ₂ core/shell nanoparticles. <i>Journal of Nanoparticle Research</i> , 2008, 10, 653-658.	0.8	29

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91	pH-Dependent Aggregation of Histidine-Functionalized Au Nanoparticles Induced by Fe ³⁺ Ions. <i>Journal of Physical Chemistry C</i> , 2008, 112, 3267-3271.	1.5	37
92	Size Control of Gold Nanocrystals in Citrate Reduction: The Third Role of Citrate. <i>Journal of the American Chemical Society</i> , 2007, 129, 13939-13948.	6.6	1,149
93	2,4,5-Triphenylimidazole Nanowires with Fluorescence Narrowing Spectra Prepared through the Adsorbent-Assisted Physical Vapor Deposition Method. <i>Chemistry of Materials</i> , 2006, 18, 2302-2306.	3.2	71
94	Single Crystalline Submicrotubes from Small Organic Molecules. <i>Chemistry of Materials</i> , 2005, 17, 6430-6435.	3.2	110
95	Effect of ultrasonic treatment on dispersibility of Fe ₃ O ₄ nanoparticles and synthesis of multi-core Fe ₃ O ₄ /SiO ₂ core/shell nanoparticles. <i>Journal of Materials Chemistry</i> , 2005, 15, 4252.	6.7	82
96	Improved photocatalytic activity of Sn ⁴⁺ doped TiO ₂ nanoparticulate films prepared by plasma-enhanced chemical vapor deposition. <i>New Journal of Chemistry</i> , 2004, 28, 218.	1.4	212
97	Synthesis of water-soluble ZnS : Mn ²⁺ nanocrystals by using mercaptopropionic acid as stabilizer. <i>Journal of Materials Chemistry</i> , 2003, 13, 1853.	6.7	210
98	The coordination sites of phosphorothioate OligoG10 with Cd ²⁺ and CdS nanoparticles. <i>New Journal of Chemistry</i> , 2003, 27, 823-826.	1.4	8
99	cis-trans Driven organized reorientation of an azobenzene derivative monolayer at the liquid/graphite interface. <i>New Journal of Chemistry</i> , 2003, 27, 1463-1465.	1.4	7
100	Hydrogen Bond Interactions Directed Formation of A Self-assembled Nanofilament. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 371, 91-94.	0.3	0
101	DNA-Templated Formation of Needle-like CdS Nanoparticles in Langmuir-Blodgett Film. <i>Molecular Crystals and Liquid Crystals</i> , 2001, 371, 49-52.	0.3	0
102	Hydrogen interactions in the self-assembly of melamine and barbituric acid derivatives. <i>Science in China Series B: Chemistry</i> , 2001, 44, 478-485.	0.8	2
103	Title is missing!. <i>Journal of Nanoparticle Research</i> , 2000, 2, 309-313.	0.8	10
104	Preparation of Gold/triblock Copolymer Composite Nanoparticles. <i>Journal of Nanoparticle Research</i> , 2000, 2, 381-385.	0.8	9
105	Aggregation behavior of amphiphilic D-tryptophan molecules bearing recognition group. <i>Science in China Series B: Chemistry</i> , 2000, 43, 555-560.	0.8	6
106	From Achiral Molecular Components to Chiral Supermolecules and Supercoil Self-Assembly. <i>Chemistry - A European Journal</i> , 1999, 5, 1144-1149.	1.7	94
107	Frontier orbital interactions of electron pushing and drawing substituents with ferrocenyl group. <i>Science in China Series B: Chemistry</i> , 1997, 40, 236-244.	0.8	7