

Chunhui Yang

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.

55
papers

2,334
citations

16
h-index

48
g-index

60
ext. papers

2,797
ext. citations

7.7
avg, IF

5.4
L-index

#	Paper	IF	Citations
55	High performance removal of sulfamethoxazole using large specific area of biochar derived from corncob xylose residue. <i>Biochar</i> , 2022 , 4, 1	10	1
54	Laser-Induced Damage Threshold of Single Crystal ZnGeP2 at 2.1 μm : The Effect of Crystal Lattice Quality at Various Pulse Widths and Repetition Rates. <i>Crystals</i> , 2022 , 12, 652	2.3	2
53	Voltage Dependence of Nanopattern Morphology and Size in Electropolished Monocrystalline Aluminum: An Experimental Study. <i>Journal of the Electrochemical Society</i> , 2022 , 169, 053512	3.9	0
52	Zeolitic imidazolate framework enables practical room-temperature operation of solid-state lithium batteries. <i>Materials Today Physics</i> , 2021 , 21, 100554	8	0
51	Synthesis and Cr adsorption of a super-hydrophilic polydopamine-functionalized electrospun polyacrylonitrile. <i>Environmental Chemistry Letters</i> , 2021 , 19, 743-749	13.3	10
50	Ethyl cyanoacrylate reinforced polyvinylidene fluoride separators for robust lithium ion batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 2434-2441	7.8	2
49	Laser-Induced Damage Threshold of Nonlinear GaSe and GaSe:In Crystals upon Exposure to Pulsed Radiation at a Wavelength of 2.1 μm . <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1208	2.6	3
48	Reproducible Single-Droplet multiplexed detection through Excitation-Encoded Tri-mode upconversion solid sensors. <i>Chemical Engineering Journal</i> , 2021 , 430, 131242	14.7	2
47	Enhance the performance of dye-sensitized solar cells by constructing upconversion-core/semiconductor-shell structured NaYF4:Yb,Er @BiOCl microprisms. <i>Solar Energy</i> , 2021 , 224, 563-568	6.8	6
46	High-Sensitivity Sensing of Divalent Copper Ions at the Single Upconversion Nanoparticle Level. <i>Analytical Chemistry</i> , 2021 , 93, 11686-11691	7.8	2
45	Polydopamine assists the continuous growth of zeolitic imidazolate framework-8 on electrospun polyacrylonitrile fibers as efficient adsorbents for the improved removal of Cr(VI). <i>New Journal of Chemistry</i> , 2021 , 45, 15503-15513	3.6	1
44	A self-supported NiCo2O4/CuxO nanoforest with electronically modulated interfaces as an efficient electrocatalyst for overall water splitting. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14466-14478	13	15
43	High-Polarity Fluoroalkyl Ether Electrolyte Enables Solvation-Free Li Transfer for High-Rate Lithium Metal Batteries.. <i>Advanced Science</i> , 2021 , e2104699	13.6	7
42	Electrospun P(NVCL-co-MAA) nanofibers and their pH/temperature dual-response drug release profiles. <i>Colloid and Polymer Science</i> , 2020 , 298, 629-636	2.4	2
41	CO2-Assisted propane aromatization over phosphorus-modified Ga/ZSM-5 catalysts. <i>Catalysis Science and Technology</i> , 2020 , 10, 1881-1888	5.5	10
40	Facile synthesis of hierarchical hollow Mn-ZSM-5 zeolite for enhanced cyclohexane catalytic oxidation. <i>Progress in Natural Science: Materials International</i> , 2020 , 30, 35-40	3.6	8
39	Tuning the upconversion luminescence of cubic KMnF3:Yb3+/Er3+ nanocrystals through inert lanthanide ion doping. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 2847-2851	7.1	4

38	Temporal Multiplexed in Vivo Upconversion Imaging. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2023-2030	16.4	74
37	Metal Oxides with Distinctive Valence States in an Electron-Rich Matrix Enable Stable High-Capacity Anodes for Li Ion Batteries. <i>Small Methods</i> , 2020 , 4, 1900753	12.8	16
36	Effective strategy to fabricate ZIF-8@ZIF-8/polyacrylonitrile nanofibers with high loading efficiency and improved removing of Cr(VI). <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 603, 125292	5.1	14
35	Low threshold lasing emissions from a single upconversion nanocrystal. <i>Nature Communications</i> , 2020 , 11, 6156	17.4	16
34	Plasma-initiated polymerization of N-isopropylacrylamide and functionalized with dopamine for the adhesion to Hela cells. <i>Polymer Bulletin</i> , 2020 , 77, 963-974	2.4	6
33	Optimizing concurrent extension of near-infrared and ultraviolet light harvesting of dye sensitized solar cells by introducing sandwich-nanostructured upconversion-core/inert-shell/downconversion-shell nanoparticles. <i>Journal of Power Sources</i> , 2019 , 430, 43-50	8.9	8
32	Dual-Mode Upconversion Nanoprobe Enables Broad-Range Thermometry from Cryogenic to Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 42455-42461	9.5	29
31	Suppression of Polysulfide Dissolution and Shuttling with Glutamate Electrolyte for Lithium Sulfur Batteries. <i>ACS Nano</i> , 2019 , 13, 14172-14181	16.7	28
30	Catalytic NO reduction by CO over ceria-cobalt oxide catalysts. <i>New Journal of Chemistry</i> , 2019 , 43, 18613-18618	3.1	8
29	Synthesis, Growth of Crack-Free Large-Size BaGa ₄ Se ₇ Crystal, and Annealing Studies. <i>Crystal Growth and Design</i> , 2019 , 19, 1282-1287	3.5	13
28	A Nanostructured Si/SiOC Composite Anode with Volume-Change-Buffering Microstructure for Lithium-Ion Batteries. <i>Chemistry - A European Journal</i> , 2019 , 25, 2604-2609	4.8	16
27	Organic-inorganic hybridization for the synthesis of robust hydrophobic polypropylsilsesquioxane aerogels with fast oil absorption properties.. <i>RSC Advances</i> , 2018 , 8, 5695-5701	3.7	9
26	Confining excitation energy of Er ³⁺ -sensitized upconversion nanoparticles through introducing various energy trapping centers. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 3869-3875	7.1	42
25	Enhancement of dye sensitized solar cell efficiency through introducing concurrent upconversion/downconversion core/shell nanoparticles as spectral converters. <i>Electrochimica Acta</i> , 2018 , 282, 743-749	6.7	14
24	Fabrication of a scratch & heat resistant superhydrophobic SiO ₂ surface with self-cleaning and semi-transparent performance.. <i>RSC Advances</i> , 2018 , 8, 25008-25013	3.7	7
23	Constructing a Native Oxyfluoride Layer on Fluoride Particles for Enhanced Upconversion Luminescence. <i>Advanced Functional Materials</i> , 2018 , 28, 1803946	15.6	31
22	Sol-gel synthesis of preceramic polyphenylsilsesquioxane aerogels and their application toward monolithic porous SiOC ceramics. <i>Ceramics International</i> , 2018 , 44, 14947-14951	5.1	12
21	A core-multiple shell nanostructure enabling concurrent upconversion and quantum cutting for photon management. <i>Nanoscale</i> , 2017 , 9, 1934-1941	7.7	24

20	Enhancing dye-sensitized solar cell efficiency through broadband near-infrared upconverting nanoparticles. <i>Nanoscale</i> , 2017 , 9, 6711-6715	7.7	81
19	Silica nanowires reinforced self-hydrophobic silica aerogel derived from crosslinking of propyltriethoxysilane and tetraethoxysilane. <i>Journal of Sol-Gel Science and Technology</i> , 2017 , 83, 545-554	2.3	5
18	ZSM-5 functionalized in situ with manganese ions for the catalytic oxidation of cyclohexane. <i>RSC Advances</i> , 2017 , 7, 50619-50625	3.7	12
17	Synthesis of Multicolor Core/Shell NaLuF ₄ /Yb/Ln@CaF ₂ Upconversion Nanocrystals. <i>Nanomaterials</i> , 2017 , 7,	5.4	16
16	Nanochemistry and Nanomedicine for Nanoparticle-based Diagnostics and Therapy. <i>Chemical Reviews</i> , 2016 , 116, 2826-85	68.1	962
15	A facile solution-phase synthesis of cobalt phosphide nanorods/hollow nanoparticles. <i>Nanoscale</i> , 2016 , 8, 4898-902	7.7	13
14	Synthesis of a fumed silica-supported poly-3-(2-aminoethylamino)propylsiloxane platinum complex and its catalytic behavior in the hydrosilylation of olefins with triethoxysilane. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2016 , 191, 728-733	1	6
13	Synthesis of Upconversion NaYF ₄ /Nd/Yb/Er Particles with Enhanced Luminescent Intensity through Control of Morphology and Phase. <i>Nanomaterials</i> , 2015 , 5, 218-232	5.4	39
12	Energy-Cascaded Upconversion in an Organic Dye-Sensitized Core/Shell Fluoride Nanocrystal. <i>Nano Letters</i> , 2015 , 15, 7400-7	11.5	279
11	Lanthanide-Doped Fluoride Core/Multishell Nanoparticles for Broadband Upconversion of Infrared Light. <i>Advanced Optical Materials</i> , 2015 , 3, 575-582	8.1	47
10	Enhancing Solar Cell Efficiency Using Photon Upconversion Materials. <i>Nanomaterials</i> , 2015 , 5, 1782-1809	5.4	108
9	Synthesis and growth of GaSe single crystals. <i>Journal of Crystal Growth</i> , 2015 , 421, 53-57	1.6	11
8	Tuning the size and upconversion emission of NaYF ₄ :Yb ³⁺ /Pr ³⁺ nanoparticles through Yb ³⁺ doping. <i>RSC Advances</i> , 2014 , 4, 56302-56306	3.7	32
7	Enhanced Upconversion Luminescence in Yb/Tm-Codoped Fluoride Active Core/Active Shell/Inert Shell Nanoparticles through Directed Energy Migration. <i>Nanomaterials</i> , 2014 , 4, 55-68	5.4	67
6	IMPROVEMENT OF NONVOLATILE BLUE PHOTOREFRACTIVE PROPERTIES IN In:Ce:Cu:LiNbO ₃ CRYSTALS. <i>Modern Physics Letters B</i> , 2013 , 27, 1350148	1.6	
5	Lanthanide-doped ultrasmall yttrium fluoride nanoparticles with enhanced multicolor upconversion photoluminescence. <i>Journal of Materials Chemistry</i> , 2012 , 22, 20190		116
4	The heteroepitaxial growth of KDP/ADP. <i>Crystal Research and Technology</i> , 2012 , 47, 517-522	1.3	
3	Growth of high quality non-linear optical crystal zinc germanium phosphide for Mid-infrared optical parametric oscillator. <i>Laser Physics</i> , 2011 , 21, 1366-1370	1.2	6

- 2 Ethylenediaminetetraacetic acid (EDTA)-controlled synthesis of multicolor lanthanide doped BaYF5 upconversion nanocrystals. *Journal of Materials Chemistry*, **2011**, 21, 17202 85
- 1 Poly(vinylidene fluoride) separators for next-generation lithium based batteries. *Nano Select*, 3.1 2