Jianxiong Xu

List of Publications by Year in descending order

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40 papers	1,158 citations	361413 20 h-index	395702 33 g-index
40 all docs	40 docs citations	40 times ranked	1407 citing authors

#	Article	IF	Citations
1	Polydopamine/montmorillonite-embedded pullulan hydrogels as efficient adsorbents for removing crystal violet. Journal of Hazardous Materials, 2021, 402, 123359.	12.4	107
2	Design of novel lanthanide-doped coreâ€“shell nanocrystals with dual up-conversion and down-conversion luminescence for anti-counterfeiting printing. Dalton Transactions, 2019, 48, 6971-6983.	3.3	103
3	Upconversion Nanoparticles@Carbon Dots@Meso-SiO₂ Sandwiched Coreâ€“Shell Nanohybrids with Tunable Dual-Mode Luminescence for 3D Anti-Counterfeiting Barcodes. Langmuir, 2019, 35, 11503-11511.	3.5	93
4	Hydrothermal synthesis and inkjet printing of hexagonal-phase NaYF₄: Ln³⁺ upconversion hollow microtubes for smart anti-counterfeiting encryption. Materials Chemistry Frontiers, 2018, 2, 1997-2005.	5.9	70
5	One-Stage Synthesis of Cagelike Porous Polymeric Microspheres and Application as Catalyst Scaffold of Pd Nanoparticles. Macromolecules, 2011, 44, 3730-3738.	4.8	64
6	Efficient decontamination of heavy metals from aqueous solution using pullulan/polydopamine hydrogels. International Journal of Biological Macromolecules, 2020, 145, 1049-1058.	7.5	63
7	Tanshinones inhibit hIAPP aggregation, disaggregate preformed hIAPP fibrils, and protect cultured cells. Journal of Materials Chemistry B, 2018, 6, 56-67.	5.8	58
8	Design of core/active-shell NaYF4:Ln3+@NaYF4:Yb3+ nanophosphors with enhanced red-green-blue upconversion luminescence for anti-counterfeiting printing. Composites Part B: Engineering, 2019, 179, 107504.	12.0	49
9	Multiple Physical Cross-Linker Strategy To Achieve Mechanically Tough and Reversible Properties of Double-Network Hydrogels in Bulk and on Surfaces. ACS Applied Polymer Materials, 2019, 1, 701-713.	4.4	39
10	Micellar-incorporated hydrogels with highly tough, mechanoresponsive, and self-recovery properties for strain-induced color sensors. Journal of Materials Chemistry C, 2018, 6, 11536-11551.	5.5	36
11	Synthesis of Hierarchical Hollow Silica Microspheres Containing Surface Nanoparticles Employing the Quasi-Hard Template of Poly(4-vinylpyridine) Microspheres. Langmuir, 2011, 27, 8983-8989.	3.5	32
12	Three-Dimensional Walnut-Like, Hierarchically Nanoporous Carbon Microspheres: One-Pot Synthesis, Activation, and Supercapacitive Performance. ACS Sustainable Chemistry and Engineering, 2020, 8, 8024-8036.	6.7	32
13	Synthesis and Characterization of Ultralow Fouling Poly(N-acryloyl-glycinamide) Brushes. Langmuir, 2017, 33, 13964-13972.	3.5	31
14	Agar/carbon dot crosslinked polyacrylamide double-network hydrogels with robustness, self-healing, and stimulus-response fluorescence for smart anti-counterfeiting. Materials Chemistry Frontiers, 2021, 5, 5418-5428.	5.9	31
15	Tough, adhesive, self-healing, fully physical crosslinked Î²-CG-K+/pHEAA double-network ionic conductive hydrogels for wearable sensors. Polymer, 2021, 236, 124321.	3.8	30
16	Noninvasive monitoring of bone regeneration using NaYF4: Yb3+, Er3+ upconversion hollow microtubes supporting PLGA-PEG-PLGA hydrogel. Reactive and Functional Polymers, 2019, 143, 104333.	4.1	25
17	Lanthanide-Doped Upconversion Nanoparticle-Cross-Linked Double-Network Hydrogels with Strong Bulk/Interfacial Toughness and Tunable Full-Color Fluorescence for Bioimaging and Biosensing. ACS Applied Nano Materials, 2020, 3, 2774-2786.	5.0	25
18	Branched NaYF₄:Yb, Er Up-Conversion Phosphors with Luminescent Properties for Anti-Counterfeiting Application. Science of Advanced Materials, 2017, 9, 2223-2233.	0.7	25

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19	A versatile luminescent resonance energy transfer (LRET)-based ratiometric upconversion nanoprobe for intracellular miRNA biosensing. Journal of Materials Chemistry B, 2020, 8, 5952-5961.	5.8	22
20	Facile fabrication of hollow hydridosilica nanoparticles with mesoporous shell and their dual effect in Pd nanoparticles immobilization. Chemical Engineering Journal, 2014, 240, 161-168.	12.7	21
21	Cage-like hierarchically mesoporous hollow silica microspheres templated by mesomorphous polyelectrolyte-surfactant complexes for noble metal nanoparticles immobilization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 575, 129-139.	4.7	20
22	Synthesis and Inkjet Printing of NaYF₄:Ln³⁺@NaYF₄ Coreâ€“Shell Nanoparticles with Enhanced Upconversion Fluorescence for Anti-Counterfeiting Applications. Journal of Nanoscience and Nanotechnology, 2020, 20, 1511-1519.	0.9	20
23	Dual responsive macroemulsion stabilized by Y-shaped amphiphilic AB₂ miktoarm star copolymers. RSC Advances, 2015, 5, 96377-96386.	3.6	19
24	Highly Fluorescent N-Doped Carbon Quantum Dots Derived from Bamboo Stems for Selective Detection of Fe³⁺ Ions in Biological Systems. Journal of Biomedical Nanotechnology, 2021, 17, 312-321.	1.1	15
25	Molecular Dynamics Simulation of the Effect of Carbon Space Lengths on the Antifouling Properties of Hydroxyalkyl Acrylamides. Langmuir, 2019, 35, 3576-3584.	3.5	14
26	Flexible Li+/agar/pHEAA double-network conductive hydrogels with self-adhesive and self-repairing properties as strain sensors for human motion monitoring. Reactive and Functional Polymers, 2021, 168, 105054.	4.1	12
27	Efficient Metal-Free Norbornadieneâ€“Maleimide Click Reaction for the Formation of Molecular Bottlebrushes. Macromolecules, 2021, 54, 10031-10039.	4.8	12
28	Synthesis and characterization of NaYF₄:Yb, Er up-conversion phosphors/poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	0.5	11
29	Synthesis of Lanthanide-Ion-Doped NaYF₄ RGB Up-Conversion Nanoparticles for Anti-Counterfeiting Application. Journal of Nanoscience and Nanotechnology, 2018, 18, 8207-8215.	0.9	10
30	Controllable synthesis of hierarchical nanoporous carbon@Ni(OH)2 rambutan-like composite microspheres for high-performance hybrid supercapacitor. Arabian Journal of Chemistry, 2022, 15, 103580.	4.9	10
31	Tough, Self-Recoverable, Spiropyran (SP3) Bearing Polymer Beads Incorporated PAM Hydrogels with Sole Mechanochromic Behavior. Gels, 2022, 8, 208.	4.5	10
32	Controlled synthesis and panchromatic printing of highly luminescent NaYF4:Ln3+ upconversion hollow microtubes for information encryption on various packaging substrates. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 396, 112518.	3.9	8
33	Plasma electrolytic oxidation of Zircaloy-2 alloy in potassium hydroxide/sodium silicate electrolytes: The effect of silicate concentration. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2020, , .	1.9	7
34	Multicolor Luminescent Anti-Counterfeiting Barcode Based on Transparent Lanthanide-Doped NaYF₄/Poly(Vinyl Alcohol) Nanocomposite with Tunable Full-Color Upconversion Emission. Nanoscience and Nanotechnology Letters, 2018, 10, 365-372.	0.4	7
35	Synthesis of Highâ€Molecularâ€Weight Brush Polymers via RAFT Polymerization within the Micellar Nanoreactor of a PEGâ€Based Macromonomer. Macromolecular Chemistry and Physics, 2015, 216, 172-181.	2.2	5
36	Preparation of monodispersed core-shell microspheres with surface antibacterial property employingN-(4-vinylbenzyl)-N,N-diethylamine hydrochloride as surfmer. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 143-150.	3.4	5

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37	Hydrothermal Synthesis of PAA-Coated NaYF₄:Yb³⁺, Er³⁺ Nanophosphors with Predicted Morphology, Phase and Enhanced Upconversion Luminescence Properties. Journal of Nanoscience and Nanotechnology, 2018, 18, 8258-8268.	0.9	5
38	Controlled Fabrication of Theophylline Imprinted Polymers on Multiwalled Carbon Nanotubes via Atom Transfer Radical Polymerization. Journal of Nanoscience and Nanotechnology, 2011, 11, 1217-1224.	0.9	4
39	Comparative Study on Supercapacitive Performances of Hierarchically Nanoporous Carbon Materials With Morphologies From Submicrosphere to Hexagonal Microprism. Frontiers in Chemistry, 2020, 8, 599981.	3.6	4
40	Photonic crystal films with upconversion luminescence based on the self-assembly of polystyrene encapsulated NaYF4:Ln3+ composite microspheres for dual-mode optical code. Reactive and Functional Polymers, 2022, 173, 105224.	4.1	4