

Ke Tao

List of Publications by Year in descending order

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45
papers

1,165
citations

430442

18
h-index

395343

33
g-index

45
all docs

45
docs citations

45
times ranked

2117
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoluminescent and superparamagnetic reduced graphene oxide-iron oxide quantum dots for dual-modality imaging, drug delivery and photothermal therapy. Carbon, 2016, 97, 54-70.	5.4	106
2	Transcytosis of Nanomedicine for Tumor Penetration. Nano Letters, 2019, 19, 8010-8020.	4.5	84
3	Interfacial coprecipitation to prepare magnetite nanoparticles: Concentration and temperature dependence. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 320, 115-122.	2.3	82
4	Facile Interfacial Coprecipitation To Fabricate Hydrophilic Amine-Capped Magnetite Nanoparticles. Chemistry of Materials, 2006, 18, 5273-5278.	3.2	78
5	Interaction Between Y^{3+} and Oleate Ions for the Cubic-to-Hexagonal Phase Transformation of $NaYF_4$ Nanocrystals. Journal of Physical Chemistry C, 2012, 116, 1732-1739.	1.5	71
6	Modular Integration of Upconverting Nanocrystal-Dendrimer Composites for Folate Receptor-Specific NIR Imaging and Light-Triggered Drug Release. Small, 2015, 11, 6078-6090.	5.2	61
7	Efficacy Dependence of Photodynamic Therapy Mediated by Upconversion Nanoparticles: Subcellular Positioning and Irradiation Productivity. Small, 2017, 13, 1602053.	5.2	61
8	"Two-in-One" Fabrication of $Fe_3O_4/MePEG-PLA$ Composite Nanocapsules as a Potential Ultrasonic/MRI Dual Contrast Agent. Langmuir, 2011, 27, 12134-12142.	1.6	60
9	Biodegradable and conductive chitosan-graphene quantum dot nanocomposite microneedles for delivery of both small and large molecular weight therapeutics. RSC Advances, 2015, 5, 51934-51946.	1.7	58
10	Highly fluorescent water soluble $CdxZn_{1-x}Te$ alloyed quantum dots prepared in aqueous solution: one-step synthesis and the alloy effect of Zn. Journal of Materials Chemistry, 2010, 20, 2133.	6.7	45
11	Synergistic Targeting and Efficient Photodynamic Therapy Based on Graphene Oxide Quantum Dot-Upconversion Nanocrystal Hybrid Nanoparticles. Small, 2018, 14, e1800293.	5.2	43
12	Cell-specific cytotoxicity of dextran-stabilized magnetite nanoparticles. Colloids and Surfaces B: Biointerfaces, 2010, 79, 184-190.	2.5	37
13	Photocontrolled Release of Doxorubicin Conjugated through a Thioacetal Photocage in Folate-Targeted Nanodelivery Systems. Bioconjugate Chemistry, 2017, 28, 3016-3028.	1.8	37
14	Thermal Sensitive Microgels with Stable and Reversible Photoluminescence Based on Covalently Bonded Quantum Dots. Langmuir, 2010, 26, 5022-5027.	1.6	31
15	A Simple, Yet Multifunctional, Nanoformulation for Eradicating Tumors and Preventing Recurrence with Safely Low Administration Dose. Nano Letters, 2019, 19, 5515-5523.	4.5	31
16	Hot-Injection Approach for Two-Stage Formed Hexagonal $NaYF_4:Yb,Er$ Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 22886-22892.	1.5	30
17	Gold Nanoparticles as a Potential Cellular Probe for Tracking of Stem Cells in Bone Regeneration Using Dual-Energy Computed Tomography. ACS Applied Materials & Interfaces, 2016, 8, 32241-32249.	4.0	29
18	Near-Infrared Light-Excited Reactive Oxygen Species Generation by Thulium Oxide Nanoparticles. Journal of the American Chemical Society, 2022, 144, 2455-2459.	6.6	25

#	ARTICLE	IF	CITATIONS
19	Combined investigation of experimental characterization and theoretic calculation on the structure of dextran-Fe ₃ O ₄ clusters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 290, 70-76.	2.3	17
20	NaYF ₄ :Yb, Er at NaYF ₄ core/shell nanocrystals with significantly enhanced upconversion fluorescence by a successive two-step injection approach. <i>Micro and Nano Letters</i> , 2013, 8, 731-734.	0.6	15
21	Carbonyl groups anchoring for the water dispersibility of magnetite nanoparticles. <i>Colloid and Polymer Science</i> , 2011, 289, 361-369.	1.0	14
22	Multimodal Nanoprobe Based on Upconversion Nanoparticles for Monitoring Implanted Stem Cells in Bone Defect of Big Animal. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 626-634.	2.6	14
23	Magnetorheological Behavior of Polyethylene Glycol-Coated Fe ₃ O ₄ Ferrofluids. <i>Nihon Reorji Gakkaishi</i> , 2010, 38, 23-30.	0.2	13
24	Fabrication of Fluorescent and Magnetic Multifunctional Polystyrene Microbeads with Carboxyl Ends. <i>Chemistry Letters</i> , 2007, 36, 1458-1459.	0.7	12
25	The one-pot synthesis of dextran-based nanoparticles and their application in in-situ fabrication of dextran-magnetite nanocomposites. <i>Journal of Materials Science: Materials in Medicine</i> , 2008, 19, 2575-2580.	1.7	11
26	A general approach for providing nanoparticles water-dispersibility by grinding with poly (ethylene) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	2.3	11
27	Direct Deposition of Fluorescent Emission-Tunable CdSe on Magnetite Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8762-8766.	1.5	10
28	Exploring the structure-property relationships of ultrasonic/MRI dual imaging magnetite/PLA microbubbles: magnetite@Cavity versus magnetite@Shell systems. <i>Colloid and Polymer Science</i> , 2012, 290, 1617-1626.	1.0	10
29	Facile synthesis of magnetic microcapsules by synchronous formation of magnetite nanoparticles. <i>Colloid and Polymer Science</i> , 2010, 288, 353-357.	1.0	9
30	Influence of experimental parameters and the copolymer structure on the size control of nanospheres in double emulsion method. <i>Journal of Polymer Research</i> , 2011, 18, 131-137.	1.2	8
31	Controllable synthesis of NaYF ₄ :Yb,Er nanorods by potassium oleate as ligand. <i>Colloid and Polymer Science</i> , 2013, 291, 2533-2540.	1.0	7
32	Structure and acoustical properties control of magnetite/PLA composite microbubbles. <i>Colloid and Polymer Science</i> , 2012, 290, 63-71.	1.0	6
33	Circumventing Drug Resistance Pathways with a Nanoparticle-Based Photodynamic Method. <i>Nano Letters</i> , 2021, 21, 9115-9123.	4.5	6
34	Fixed-diameter upconversion nanorods with controllable length and their interaction with cells. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 591-599.	5.0	5
35	Long-Term Tri-Modal In Vivo Tracking of Engrafted Cartilage-Derived Stem/Progenitor Cells Based on Upconversion Nanoparticles. <i>Biomolecules</i> , 2021, 11, 958.	1.8	5
36	The dependence of radio-sensitization efficiency on mitochondrial targeting with NaGdF ₄ :Yb,Er nanoparticles. <i>Acta Biomaterialia</i> , 2021, 131, 508-518.	4.1	5

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37	Heterogeneous nucleation and growth of CdSe on magnetite seed nanocrystals: The influence of ligand and morphology. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2011, 44, 597-604.	1.3	4
38	Upconversion nanoparticles. , 2020, , 147-176.		4
39	Revisiting the factors influencing the magnetic resonance contrast of Gd ₂ O ₃ nanoparticles. <i>Nanoscale Advances</i> , 2021, 4, 95-101.	2.2	4
40	Lattice distortion of CaF ₂ nanocrystals for shortening their ¹⁹ F longitude relaxation time. <i>Chemical Communications</i> , 2021, 57, 9148-9151.	2.2	3
41	Labelling stem cells with a nanoprobe for evaluating the homing behaviour in facial nerve injury repair. <i>Biomaterials Science</i> , 2022, 10, 808-818.	2.6	2
42	Imaging and therapy with upconversion nanoparticles. , 2020, , 177-204.		1
43	The preparation of magnetic nanoparticles and their decoration towards bifunctional nanoparticles. , 2006, , .		0
44	Upconversion nanocrystals for near-infrared-controlled drug delivery. , 2020, , 345-371.		0
45	Radiosensitization With Nanoparticles Targeting to Mitochondria. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0