

Bin Song

List of Publications by Year in descending order

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20
papers

701
citations

686830

13
h-index

752256

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20
all docs

20
docs citations

20
times ranked

994
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomimetic Preparation and Dual-Color Bioimaging of Fluorescent Silicon Nanoparticles. <i>Journal of the American Chemical Society</i> , 2015, 137, 14726-14732.	6.6	111
2	Fluorescent and magnetic anti-counterfeiting realized by biocompatible multifunctional silicon nanoshuttle-based security ink. <i>Nanoscale</i> , 2018, 10, 1617-1621.	2.8	107
3	One-Dimensional Fluorescent Silicon Nanorods Featuring Ultrahigh Photostability, Favorable Biocompatibility, and Excitation Wavelength-Dependent Emission Spectra. <i>Journal of the American Chemical Society</i> , 2016, 138, 4824-4831.	6.6	88
4	Silicon Nanomaterials for Biosensing and Bioimaging Analysis. <i>Frontiers in Chemistry</i> , 2018, 6, 38.	1.8	80
5	Fluorescent silicon nanomaterials: from synthesis to functionalization and application. <i>Nano Today</i> , 2019, 26, 149-163.	6.2	53
6	Fluorescent Silicon Nanorods-Based Ratiometric Sensors for Long-Term and Real-Time Measurements of Intracellular pH in Live Cells. <i>Analytical Chemistry</i> , 2017, 89, 12152-12159.	3.2	51
7	Excitation-wavelength-dependent photoluminescence of silicon nanoparticles enabled by adjustment of surface ligands. <i>Chemical Communications</i> , 2018, 54, 4947-4950.	2.2	35
8	A real-time documentation and mechanistic investigation of quantum dots-induced autophagy in live <i>Caenorhabditis elegans</i> . <i>Biomaterials</i> , 2015, 72, 38-48.	5.7	30
9	Fluorescent silicon nanoparticles utilized as stable color converters for white light-emitting diodes. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	25
10	Fluorescent silicon nanoparticle-based gene carriers featuring strong photostability and feeble cytotoxicity. <i>Nano Research</i> , 2016, 9, 3027-3037.	5.8	19
11	Fluorescein sodium ligand-modified silicon nanoparticles produce ultrahigh fluorescence with robust pH- and photo-stability. <i>Chemical Communications</i> , 2019, 55, 365-368.	2.2	19
12	Traditional Chinese medicine molecule-assisted chemical synthesis of fluorescent anti-cancer silicon nanoparticles. <i>Nano Research</i> , 2018, 11, 5629-5641.	5.8	16
13	Biocompatible protamine sulfate@silicon nanoparticle-based gene nanocarriers featuring strong and stable fluorescence. <i>Nanoscale</i> , 2018, 10, 14455-14463.	2.8	16
14	In situ rapid growth of fluorescent silicon nanoparticles at room temperature and under atmospheric pressure. <i>Chemical Communications</i> , 2016, 52, 13444-13447.	2.2	14
15	One-dimensional silicon nanoshuttles simultaneously featuring fluorescent and magnetic properties. <i>Chemical Communications</i> , 2017, 53, 6957-6960.	2.2	9
16	Distinct autophagy-inducing abilities of similar-sized nanoparticles in cell culture and live <i>C. elegans</i> . <i>Nanoscale</i> , 2018, 10, 23059-23069.	2.8	9
17	Long-term fundus fluorescence angiography and real-time diagnosis of retinal diseases in non-human primate-animal models. <i>Nano Research</i> , 2021, 14, 3840.	5.8	7
18	Multifunctional Flavonoid@Silica Nanohydrogel Enables Simultaneous Inhibition of Tumor Recurrence and Bacterial Infection in Post-surgical Treatment. <i>Small</i> , 2022, 18, e2104578.	5.2	7

#	ARTICLE	IF	CITATIONS
19	Controllable silicon nanostructures featuring stable fluorescence and intrinsic <i>in vitro</i> and <i>in vivo</i> anti-cancer activity. <i>Journal of Materials Chemistry B</i> , 2019, 7, 6247-6256.	2.9	3
20	Nanoparticles as a Hedgehog signaling inhibitor for the suppression of cancer growth and metastasis. <i>Nanoscale</i> , 2021, 13, 11077-11085.	2.8	2