

Hak-Sung Jung

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

615
citations

758635

12
h-index

839053

18
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all docs

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docs citations

18
times ranked

1084
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Imaging of Latent Fingerprints Using Biocompatible Fluorescent Silica Nanoparticles. <i>Langmuir</i> , 2016, 32, 8077-8083.	1.6	105
2	Analysis of Changes in Gene Expression and Metabolic Profiles Induced by Silica-Coated Magnetic Nanoparticles. <i>ACS Nano</i> , 2012, 6, 7665-7680.	7.3	82
3	Quantitative Analysis and Efficient Surface Modification of Silica Nanoparticles. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-8.	1.5	64
4	Polydopamine Encapsulation of Fluorescent Nanodiamonds for Biomedical Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1801252.	7.8	58
5	Biocompatible Fluorescent Nanodiamonds as Multifunctional Optical Probes for Latent Fingerprint Detection. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 6641-6650.	4.0	55
6	Highly efficient Blue-Emitting CdSe-derived Core/Shell Gradient Alloy Quantum Dots with Improved Photoluminescent Quantum Yield and Enhanced Photostability. <i>Langmuir</i> , 2017, 33, 3711-3719.	1.6	45
7	Comparing the toxic mechanism of synthesized zinc oxide nanomaterials by physicochemical characterization and reactive oxygen species properties. <i>Toxicology Letters</i> , 2011, 207, 197-203.	0.4	42
8	White light-emitting diodes using thermally and photochemically stable fluorescent silica nanoparticles as color-converters. <i>Journal of Materials Chemistry C</i> , 2013, 1, 5879.	2.7	35
9	Surface Modification of Fluorescent Nanodiamonds for Biological Applications. <i>Nanomaterials</i> , 2021, 11, 153.	1.9	31
10	Latent Fingerprint Detection using Semiconductor Quantum Dots as a Fluorescent Inorganic Nanomaterial for Forensic Application. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 2561-2564.	1.0	20
11	Highly stable cesium lead bromide perovskite nanocrystals for ultra-sensitive and selective latent fingerprint detection. <i>Analytica Chimica Acta</i> , 2021, 1181, 338850.	2.6	18
12	High-sensitivity fluorescence imaging of iron in plant tissues. <i>Chemical Communications</i> , 2014, 50, 8547-8549.	2.2	12
13	Silica-coated gradient alloy quantum dots with high luminescence for converter materials in white light-emitting diodes. <i>RSC Advances</i> , 2015, 5, 107585-107590.	1.7	12
14	Surface Coating of Gradient Alloy Quantum Dots with Oxide Layer in White-Light-Emitting Diodes for Display Backlights. <i>Langmuir</i> , 2017, 33, 13040-13050.	1.6	9
15	Preparation of mono-dispersed spherical titania nanoparticles with precise size control using ethylene glycol. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 79, 89-97.	1.1	8
16	Significantly improved stability of silver nanodots via nanoparticles encapsulation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 355, 479-486.	2.0	8
17	General Method to Increase Carboxylic Acid Content on Nanodiamonds. <i>Molecules</i> , 2022, 27, 736.	1.7	6
18	Bioimaging: Polydopamine Encapsulation of Fluorescent Nanodiamonds for Biomedical Applications (<i>Adv. Funct. Mater.</i> 33/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870234.	7.8	5