

Seokyoung Yoon

List of Publications by Year in descending order

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papers

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364
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical Characterization of the Morphologies of Nanoparticles through Machine Learning Based Electron Microscopy Image Analysis. <i>ACS Nano</i> , 2020, 14, 17125-17133.	14.6	89
2	Ultrastable-Stealth Large Gold Nanoparticles with DNA Directed Biological Functionality. <i>Langmuir</i> , 2015, 31, 13773-13782.	3.5	29
3	Controlled Heterogeneous Nucleation for Synthesis of Uniform Mesoporous Silica-Coated Gold Nanorods with Tailorable Rotational Diffusion and 1 nm-Scale Size Tunability. <i>Crystal Growth and Design</i> , 2018, 18, 4731-4736.	3.0	27
4	Biologically Benign Multi-functional Mesoporous Silica Encapsulated Gold/Silver Nanorods for Anti-bacterial Applications by On-demand Release of Silver Ions. <i>Biochip Journal</i> , 2019, 13, 362-369.	4.9	24
5	Systematic study of interdependent relationship on gold nanorod synthesis assisted by electron microscopy image analysis. <i>Nanoscale</i> , 2017, 9, 7114-7123.	5.6	22
6	Facile large-scale synthesis of mesoporous silica nanoparticles at room temperature in a monophasic system with fine size control. <i>Microporous and Mesoporous Materials</i> , 2019, 288, 109595.	4.4	15
7	Multifunctional Nanomaterial-alginate Drug Delivery and Imaging System for Cancer Therapy. <i>Biochip Journal</i> , 2019, 13, 236-242.	4.9	14
8	A Paper-Based Platform for Long-Term Deposition of Nanoparticles with Exceptional Redispersibility, Stability, and Functionality. <i>Particle and Particle Systems Characterization</i> , 2019, 36, 1800483.	2.3	14
9	From a precursor to an etchant: spontaneous inversion of the role of Au(^{III}) chloride for one-pot synthesis of smooth and spherical gold nanoparticles. <i>Nanoscale Advances</i> , 2019, 1, 2157-2161.	4.6	13
10	Role of surface-electrical properties on the cell-viability of carbon thin films grown in nanodomain morphology. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 264001.	2.8	10
11	Electrochemical Performances of Yttrium Doped $\text{Li}_{0.3}\text{V}_{2-x}\text{Y}_x(\text{PO}_4)_3/\text{C}$ Cathode Material for Lithium Secondary Battery. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 8042-8047.	0.9	9
12	High-Throughput Characterization and In Situ Control of Three-Dimensional Orientations of Single Gold Nanorods Coated with Spherical Mesoporous Silica Shell. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14279-14286.	3.1	7
13	Surface Polarity-Insensitive Organosilicasome-Based Clustering of Nanoparticles with Intragap Distance Tunability. <i>Chemistry of Materials</i> , 2021, 33, 5257-5267.	6.7	7
14	Synergistic enhancement of antibacterial activity of Cu:C nanocomposites through plasma induced microstructural engineering. <i>Applied Surface Science</i> , 2020, 500, 143996.	6.1	6
15	Pulsed DC-plasma sputtering induced synthesis of hydrogenated carbon thin films for L-929 cell cultivation. <i>Surface and Coatings Technology</i> , 2016, 307, 1119-1123.	4.8	5
16	Differences in DNA Probe-Mediated Aggregation Behavior of Gold Nanomaterials Based on Their Geometric Appearance. <i>Langmuir</i> , 2018, 34, 14869-14874.	3.5	5
17	High-throughput in-focus differential interference contrast imaging of three-dimensional orientations of single gold nanorods coated with a mesoporous silica shell. <i>RSC Advances</i> , 2020, 10, 29868-29872.	3.6	3