

Krishnendu Saha

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

7,877
citations

257450

24
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

13988
citing authors

#	ARTICLE	IF	CITATIONS
1	Gold Nanoparticles in Chemical and Biological Sensing. <i>Chemical Reviews</i> , 2012, 112, 2739-2779.	47.7	4,017
2	Functional Gold Nanoparticles as Potent Antimicrobial Agents against Multi-Drug-Resistant Bacteria. <i>ACS Nano</i> , 2014, 8, 10682-10686.	14.6	615
3	Gold Nanoparticles for Nucleic Acid Delivery. <i>Molecular Therapy</i> , 2014, 22, 1075-1083.	8.2	401
4	The Role of Surface Functionality in Determining Nanoparticle Cytotoxicity. <i>Accounts of Chemical Research</i> , 2013, 46, 681-691.	15.6	337
5	Fabrication of Corona-Free Nanoparticles with Tunable Hydrophobicity. <i>ACS Nano</i> , 2014, 8, 6748-6755.	14.6	286
6	Regulation of Macrophage Recognition through the Interplay of Nanoparticle Surface Functionality and Protein Corona. <i>ACS Nano</i> , 2016, 10, 4421-4430.	14.6	264
7	The Role of Surface Functionality on Acute Cytotoxicity, ROS Generation and DNA Damage by Cationic Gold Nanoparticles. <i>Small</i> , 2010, 6, 2246-2249.	10.0	232
8	Aggregation and Interaction of Cationic Nanoparticles on Bacterial Surfaces. <i>Journal of the American Chemical Society</i> , 2012, 134, 6920-6923.	13.7	221
9	Surface Charge Controls the Suborgan Biodistributions of Gold Nanoparticles. <i>ACS Nano</i> , 2016, 10, 5536-5542.	14.6	185
10	Surface Functionality of Nanoparticles Determines Cellular Uptake Mechanisms in Mammalian Cells. <i>Small</i> , 2013, 9, 300-305.	10.0	165
11	Acylsulfonamide-Functionalized Zwitterionic Gold Nanoparticles for Enhanced Cellular Uptake at Tumor pH. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6567-6570.	13.8	162
12	A multichannel nanosensor for instantaneous readout of cancer drug mechanisms. <i>Nature Nanotechnology</i> , 2015, 10, 65-69.	31.5	137
13	Protein coronas suppress the hemolytic activity of hydrophilic and hydrophobic nanoparticles. <i>Materials Horizons</i> , 2014, 1, 102-105.	12.2	129
14	Ratiometric Array of Conjugated Polymers-Fluorescent Protein Provides a Robust Mammalian Cell Sensor. <i>Journal of the American Chemical Society</i> , 2016, 138, 4522-4529.	13.7	122
15	25th Anniversary Article: Interfacing Nanoparticles and Biology: New Strategies for Biomedicine. <i>Advanced Materials</i> , 2014, 26, 359-370.	21.0	105
16	Beauty is Skin Deep: A Surface Monolayer Perspective on Nanoparticle Interactions with Cells and Biomacromolecules. <i>Small</i> , 2011, 7, 1903-1918.	10.0	83
17	Multiplexed Imaging of Nanoparticles in Tissues Using Laser Desorption/Ionization Mass Spectrometry. <i>Journal of the American Chemical Society</i> , 2013, 135, 12564-12567.	13.7	78
18	Direct Fabrication of Functional and Biofunctional Nanostructures Through Reactive Imprinting. <i>Advanced Materials</i> , 2011, 23, 3165-3169.	21.0	48

#	ARTICLE	IF	CITATIONS
19	A Multichannel Biosensor for Rapid Determination of Cell Surface Glycomic Signatures. ACS Central Science, 2015, 1, 191-197.	11.3	42
20	Dual-Mode Mass Spectrometric Imaging for Determination of <i>in Vivo</i> Stability of Nanoparticle Monolayers. ACS Nano, 2017, 11, 7424-7430.	14.6	36
21	Quantitative imaging of 2 nm monolayer-protected gold nanoparticle distributions in tissues using laser ablation inductively-coupled plasma mass spectrometry (LA-ICP-MS). Analyst, The, 2016, 141, 2418-2425.	3.5	35
22	The role of ligand coordination on the cytotoxicity of cationic quantum dots in HeLa cells. Nanoscale, 2013, 5, 12140.	5.6	30
23	Fabrication of Robust Protein Films Using Nanoimprint Lithography. Advanced Materials, 2015, 27, 6251-6255.	21.0	29
24	Effect of nano-scale curvature on the intrinsic blood coagulation system. Nanoscale, 2014, 6, 14484-14487.	5.6	27
25	Nanoparticle-dendrimer hybrid nanocapsules for therapeutic delivery. Nanomedicine, 2016, 11, 1571-1578.	3.3	24
26	Cell Alignment using Patterned Biocompatible Gold Nanoparticle Templates. Small, 2012, 8, 1209-1213.	10.0	21
27	Binding studies of cucurbit[7]uril with gold nanoparticles bearing different surface functionalities. Tetrahedron Letters, 2015, 56, 3653-3657.	1.4	17
28	Fabrication of Functional Nanofibers Through Post-Nanoparticle Functionalization. Macromolecular Rapid Communications, 2015, 36, 678-683.	3.9	7
29	Probing the protein-nanoparticle interface: the role of aromatic substitution pattern on affinity. Supramolecular Chemistry, 2015, 27, 123-126.	1.2	4