Seongchan Kim

List of Publications by Year
in descending order

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24 papers	1,230 citations	516710 16 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	2603 citing authors

#	Article	IF	Citations
1	Biosensors based on graphene oxide and its biomedical application. Advanced Drug Delivery Reviews, 2016, 105, 275-287.	13.7	301
2	Highly Biocompatible Carbon Nanodots for Simultaneous Bioimaging and Targeted Photodynamic Therapy In Vitro and In Vivo. Advanced Functional Materials, 2014, 24, 5781-5789.	14.9	191
3	One-Pot Synthesis of Multifunctional Au@Graphene Oxide Nanocolloid Core@Shell Nanoparticles for Raman Bioimaging, Photothermal, and Photodynamic Therapy. Small, 2015, 11, 2527-2535.	10.0	114
4	Barrier to autointegration factor 1, procollagenâ€lysine, 2â€oxoglutarate 5â€dioxygenase 3, and splicing factor 3b subunit 4 as earlyâ€stage cancer decision markers and drivers of hepatocellular carcinoma. Hepatology, 2018, 67, 1360-1377.	7.3	90
5	Deoxyribozyme-loaded nano-graphene oxide for simultaneous sensing and silencing of the hepatitis C virus gene in liver cells. Chemical Communications, 2013, 49, 8241.	4.1	72
6	Highly efficient gene silencing and bioimaging based on fluorescent carbon dots in vitro and in vivo. Nano Research, 2017, 10, 503-519.	10.4	68
7	In-depth investigation of the interaction between DNA and nano-sized graphene oxide. Carbon, 2016, 97, 92-98.	10.3	56
8	Highly efficient photocatalytic performances of SnO2-deposited ZnS nanorods based on interfacial charge transfer. Applied Catalysis B: Environmental, 2017, 205, 433-442.	20.2	48
9	Morphology-Controlled Synthesis of Rhodium Nanoparticles for Cancer Phototherapy. ACS Nano, 2018, 12, 6997-7008.	14.6	48
10	3D Microfluidic Platform and Tumor Vascular Mapping for Evaluating Anti-Angiogenic RNAi-Based Nanomedicine. ACS Nano, 2021, 15, 338-350.	14.6	34
11	MAP4-regulated dynein-dependent trafficking of BTN3A1 controls the TBK1â€“IRF3 signaling axis. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14390-14395.	7.1	30
12	MicroRNAâ€Responsive Drug Release System for Selective Fluorescence Imaging and Photodynamic Therapy In Vivo. Advanced Healthcare Materials, 2016, 5, 2386-2395.	7.6	30
13	Functional manganese dioxide nanosheet for targeted photodynamic therapy and bioimaging in vitro and in vivo. 2D Materials, 2017, 4, 025069.	4.4	29
14	Electrical Cartridge Sensor Enables Reliable and Direct Identification of MicroRNAs in Urine of Patients. ACS Sensors, 2021, 6, 833-841.	7.8	25
15	In-depth study on the gene silencing capability of silica nanoparticles with different pore sizes: degree and duration of RNA interference. RSC Advances, 2016, 6, 27143-27150.	3.6	19
16	Highly Efficient and Rapid Neural Differentiation of Mouse Embryonic Stem Cells Based on Retinoic Acid Encapsulated Porous Nanoparticle. ACS Applied Materials & Interfaces, 2017, 9, 34634-34640.	8.0	19
17	Fluorometric Viral miRNA Nanosensor for Diagnosis of Productive (Lytic) Human Cytomegalovirus Infection in Living Cells. ACS Sensors, 2021, 6, 815-822.	7.8	14
18	Facile one-pot photosynthesis of stable Ag@graphene oxide nanocolloid core@shell nanoparticles with sustainable localized surface plasmon resonance properties. Journal of Materials Chemistry C, 2017, 5, 10016-10022.	5.5	12

#	Article	IF	Citations
19	Synthesis of Fluorescent Au Nanocrystalsâ€“Silica Hybrid Nanocomposite (FLASH) with Enhanced Optical Features for Bioimaging and Photodynamic Activity. Langmuir, 2018, 34, 173-178.	3.5	9
20	Effect of carbon nanomaterial dimension on the functional activity and degeneration of neurons. Biomaterials, 2021, 279, 121232.	11.4	7
21	Biocompatible N-acetyl-nanoconstruct alleviates lipopolysaccharide-induced acute lung injury in vivo. Scientific Reports, 2021, 11, 22662.	3.3	4
22	Trends and Perspectives in Bio- and Eco-friendly Sustainable Nanomaterial Delivery Systems Through Biological Barriers. Materials Chemistry Frontiers, 0, , .	5.9	4
23	Photodynamic Therapy: Highly Biocompatible Carbon Nanodots for Simultaneous Bioimaging and Targeted Photodynamic Therapy In Vitro and In Vivo (Adv. Funct. Mater. 37/2014). Advanced Functional Materials, 2014, 24, 5774-5774.	14.9	3
24	Supramolecular protection-mediated one-pot synthesis of cationic gold nanoparticles. Journal of Industrial and Engineering Chemistry, 2020, 81, 303-308.	5.8	3