

Jae-Hyun Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6814956/publications.pdf>

Version: 2024-02-01

16
papers

4,901
citations

759233

12
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

7388
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificially engineered magnetic nanoparticles for ultra-sensitive molecular imaging. <i>Nature Medicine</i> , 2007, 13, 95-99.	30.7	1,756
2	Exchange-coupled magnetic nanoparticles for efficient heat induction. <i>Nature Nanotechnology</i> , 2011, 6, 418-422.	31.5	1,197
3	Theranostic Magnetic Nanoparticles. <i>Accounts of Chemical Research</i> , 2011, 44, 863-874.	15.6	653
4	Critical Enhancements of MRI Contrast and Hyperthermic Effects by Dopant-Controlled Magnetic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1234-1238.	13.8	501
5	A magnetic switch for the control of cell death signalling in in vitro and in vivo systems. <i>Nature Materials</i> , 2012, 11, 1038-1043.	27.5	208
6	Fast detection of SARS-CoV-2 RNA via the integration of plasmonic thermocycling and fluorescence detection in a portable device. <i>Nature Biomedical Engineering</i> , 2020, 4, 1159-1167.	22.5	159
7	Non-contact long-range magnetic stimulation of mechanosensitive ion channels in freely moving animals. <i>Nature Materials</i> , 2021, 20, 1029-1036.	27.5	94
8	Artificial Control of Cell Signaling and Growth by Magnetic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5698-5702.	13.8	71
9	Fluorescence polarization system for rapid COVID-19 diagnosis. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113049.	10.1	44
10	Amorphous Oxide Semiconductor Transistors with Air Dielectrics for Transparent and Wearable Pressure Sensor Arrays. <i>Advanced Materials Technologies</i> , 2020, 5, 1900928.	5.8	42
11	Magnetic Control of Axon Navigation in Reprogrammed Neurons. <i>Nano Letters</i> , 2019, 19, 6517-6523.	9.1	22
12	Small, Clickable, and Monovalent Magnetofluorescent Nanoparticles Enable Mechanogenetic Regulation of Receptors in a Crowded Live-Cell Microenvironment. <i>Nano Letters</i> , 2019, 19, 3761-3769.	9.1	14
13	Development of Integrated Systems for On-Site Infection Detection. <i>Accounts of Chemical Research</i> , 2021, 54, 3991-4000.	15.6	10
14	Magnetic Force Nanoprobe for Direct Observation of Audio Frequency Tonotopy of Hair Cells. <i>Nano Letters</i> , 2016, 16, 3885-3891.	9.1	9
15	Magnetothermally Activated Nanometer-level Modular Functional Group Grafting of Nanoparticles. <i>Nano Letters</i> , 2021, 21, 3649-3656.	9.1	6
16	Iron Oxide-Coated Dextran Nanoparticles with Efficient Renal Clearance for Musculoskeletal Magnetic Resonance Imaging. <i>ACS Applied Nano Materials</i> , 2021, 4, 12943-12948.	5.0	3