

Jae-Hyun Lee

List of Publications by Year in descending order

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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 | 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 |
| 2 | Magnetothermally Activated Nanometer-level Modular Functional Group Grafting of Nanoparticles. <i>Nano Letters</i> , 2021, 21, 3649-3656. | 9.1 | 6 |
| 3 | Fluorescence polarization system for rapid COVID-19 diagnosis. <i>Biosensors and Bioelectronics</i> , 2021, 178, 113049. | 10.1 | 44 |
| 4 | Development of Integrated Systems for On-Site Infection Detection. <i>Accounts of Chemical Research</i> , 2021, 54, 3991-4000. | 15.6 | 10 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | Magnetic Control of Axon Navigation in Reprogrammed Neurons. <i>Nano Letters</i> , 2019, 19, 6517-6523. | 9.1 | 22 |
| 9 | 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 |
| 10 | Magnetic Force Nanoprobe for Direct Observation of Audio Frequency Tonotopy of Hair Cells. <i>Nano Letters</i> , 2016, 16, 3885-3891. | 9.1 | 9 |
| 11 | 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 |
| 12 | Theranostic Magnetic Nanoparticles. <i>Accounts of Chemical Research</i> , 2011, 44, 863-874. | 15.6 | 653 |
| 13 | Exchange-coupled magnetic nanoparticles for efficient heat induction. <i>Nature Nanotechnology</i> , 2011, 6, 418-422. | 31.5 | 1,197 |
| 14 | Artificial Control of Cell Signaling and Growth by Magnetic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5698-5702. | 13.8 | 71 |
| 15 | 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 |
| 16 | Artificially engineered magnetic nanoparticles for ultra-sensitive molecular imaging. <i>Nature Medicine</i> , 2007, 13, 95-99. | 30.7 | 1,756 |