

Hee-Sun Han

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

3,154
citations

759233

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794594

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times ranked

6489
citing authors

#	ARTICLE	IF	CITATIONS
1	Inertial Self-Assembly Dynamics of Interacting Droplet Ensembles in Microfluidic Flows. <i>Analytical Chemistry</i> , 2022, 94, 3978-3986.	6.5	0
2	Simplified, Shear Induced Generation of Double Emulsions for Robust Compartmentalization during Single Genome Analysis. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 20528-20537.	8.0	4
3	Multiphoton Phosphorescence Quenching Microscopy Reveals Kinetics of Tumor Oxygenation during Antiangiogenesis and Angiotensin Signaling Inhibition. <i>Clinical Cancer Research</i> , 2022, 28, 3076-3090.	7.0	4
4	Droplet Microfluidics for High-Resolution Virology. <i>Analytical Chemistry</i> , 2022, 94, 8085-8100.	6.5	6
5	Controllable modulation of precursor reactivity using chemical additives for systematic synthesis of high-quality quantum dots. <i>Nature Communications</i> , 2020, 11, 5748.	12.8	19
6	Nanocrystal Precursor Incorporating Separated Reaction Mechanisms for Nucleation and Growth to Unleash the Potential of Heat-up Synthesis. <i>ACS Nano</i> , 2020, 14, 11579-11593.	14.6	9
7	Rapid, multiplexed detection of biomolecules using electrically distinct hydrogel beads. <i>Lab on A Chip</i> , 2020, 20, 2274-2283.	6.0	11
8	Whole-Genome Sequencing of a Single Viral Species from a Highly Heterogeneous Sample. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13985-13988.	13.8	17
9	Quantum dot/antibody conjugates for in vivo cytometric imaging in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 1350-1355.	7.1	109
10	Controlled placement of colloidal quantum dots in sub-15 nm clusters. <i>Nanotechnology</i> , 2013, 24, 125302.	2.6	16
11	Compact high-quality CdSe/CdS core-shell nanocrystals with narrow emission linewidths and suppressed blinking. <i>Nature Materials</i> , 2013, 12, 445-451.	27.5	1,168
12	Spatial Charge Configuration Regulates Nanoparticle Transport and Binding Behavior In Vivo. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1414-1419.	13.8	81
13	Compact Zwitterion-Coated Iron Oxide Nanoparticles for Biological Applications. <i>Nano Letters</i> , 2012, 12, 22-25.	9.1	220
14	Synthesis of Cadmium Arsenide Quantum Dots Luminescent in the Infrared. <i>Journal of the American Chemical Society</i> , 2011, 133, 4676-4679.	13.7	74
15	Using Nanowires To Extract Excitons from a Nanocrystal Solid. <i>ACS Nano</i> , 2011, 5, 9028-9033.	14.6	13
16	Development of a Bioorthogonal and Highly Efficient Conjugation Method for Quantum Dots Using Tetrazine-Norbornene Cycloaddition. <i>Journal of the American Chemical Society</i> , 2010, 132, 7838-7839.	13.7	202
17	Surface-structure-regulated cell-membrane penetration by monolayer-protected nanoparticles. <i>Nature Materials</i> , 2008, 7, 588-595.	27.5	1,179