

Shihan Xu

List of Publications by Year in descending order

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papers

414
citations

687363

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752698

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#	ARTICLE	IF	CITATIONS
1	Plasmon-Enhanced Upconversion Luminescence on Vertically Aligned Gold Nanorod Monolayer Supercrystals. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11667-11674.	8.0	71
2	A Selfâ€Digitization Dielectrophoretic (SDâ€DEP) Chip for Highâ€Efficiency Singleâ€Cell Capture, Onâ€Demand Compartmentalization, and Downstream Nucleic Acid Analysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11378-11383.	13.8	34
3	High purity microfluidic sorting and in situ inactivation of circulating tumor cells based on multifunctional magnetic composites. <i>Biomaterials</i> , 2017, 138, 69-79.	11.4	32
4	Recent Progress in Fluorescent Probes For Metal Ion Detection. <i>Frontiers in Chemistry</i> , 2022, 10, 875241.	3.6	31
5	Amphiphilic Silane Modified Multifunctional Nanoparticles for Magnetically Targeted Photodynamic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 11451-11460.	8.0	29
6	Broadband Ultraviolet Photodetectors Based on Cerium Doped Lead-Free Cs₃MnBr₅ Metal Halide Nanocrystals. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4980-4987.	6.7	29
7	A Fluorescence-Activated Single-Droplet Dispenser for High Accuracy Single-Droplet and Single-Cell Sorting and Dispensing. <i>Analytical Chemistry</i> , 2019, 91, 6815-6819.	6.5	26
8	Recent Progress of Fluorescence Sensors for Histamine in Foods. <i>Biosensors</i> , 2022, 12, 161.	4.7	21
9	DNA stabilized Agâ€Au alloy nanoclusters and their application as sensing probes for mercury ions. <i>RSC Advances</i> , 2016, 6, 51609-51618.	3.6	20
10	Silane modified upconversion nanoparticles with multifunctions: imaging, therapy and hypoxia detection. <i>Scientific Reports</i> , 2016, 6, 22350.	3.3	20
11	Enhancing the Longâ€Term Stability of a Polymer Dot Glucose Transducer by Using an Enzymatic Cascade Reaction System. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001019.	7.6	18
12	Polymer dots enable deep in vivo multiphoton fluorescence imaging of microvasculature. <i>Biomedical Optics Express</i> , 2019, 10, 584.	2.9	15
13	Stable EMT type zeolite/CsPbBr ₃ perovskite quantum dot nanocomposites for highly sensitive humidity sensors. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 921-928.	9.4	13
14	A Selfâ€Digitization Dielectrophoretic (SDâ€DEP) Chip for Highâ€Efficiency Singleâ€Cell Capture, Onâ€Demand Compartmentalization, and Downstream Nucleic Acid Analysis. <i>Angewandte Chemie</i> , 2018, 130, 11548-11553.	2.0	12
15	A Chromatin-Mimetic Nanomedicine for Therapeutic Tolerance Induction. <i>ACS Nano</i> , 2018, 12, 12004-12014.	14.6	11
16	Isolating Rare Cells and Circulating Tumor Cells with High Purity by Sequential eDAR. <i>Analytical Chemistry</i> , 2019, 91, 14605-14610.	6.5	10
17	High fluorescence LaOBr/coumarin organicâ€inorganic composite nanomaterials for ultra-sensitive Fe³⁺ sensing, fluorescence imaging and water-based ink anti-counterfeiting applications. <i>Journal of Materials Chemistry C</i> , 2020, 8, 13733-13742.	5.5	8
18	Sequential Ensemble-Decision Aliquot Ranking Isolation and Fluorescence <i>in Situ</i> Hybridization Identification of Rare Cells from Blood by Using Concentrated Peripheral Blood Mononuclear Cells. <i>Analytical Chemistry</i> , 2021, 93, 3196-3201.	6.5	7

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19	Capillary-Mediated Single-Cell Dispenser. <i>Analytical Chemistry</i> , 2021, 93, 10750-10755.	6.5	4
20	Intrinsic Blue Fluorescence of 2.0G PAMAM-DCM Polymer Dots and Its Applications for Fe ³⁺ Sensing. <i>Sensors</i> , 2022, 22, 1075.	3.8	3