

Qiushui Chen

List of Publications by Year in descending order

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46
papers

4,830
citations

109321

35
h-index

223800

46
g-index

47
all docs

47
docs citations

47
times ranked

5944
citing authors

#	ARTICLE	IF	CITATIONS
1	All-inorganic perovskite nanocrystal scintillators. <i>Nature</i> , 2018, 561, 88-93.	27.8	1,274
2	High-resolution X-ray luminescence extension imaging. <i>Nature</i> , 2021, 590, 410-415.	27.8	378
3	Metal Halide Perovskite Nanosheet for X-ray High-Resolution Scintillation Imaging Screens. <i>ACS Nano</i> , 2019, 13, 2520-2525.	14.6	346
4	Confining Excitation Energy in Er ³⁺ -Sensitized Upconversion Nanocrystals through Tm ³⁺ -Mediated Transient Energy Trapping. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7605-7609.	13.8	259
5	Organic phosphors with bright triplet excitons for efficient X-ray-excited luminescence. <i>Nature Photonics</i> , 2021, 15, 187-192.	31.4	237
6	Controlled assembly of heterotypic cells in a core-shell scaffold: organ in a droplet. <i>Lab on A Chip</i> , 2016, 16, 1346-1349.	6.0	169
7	Recent advances in upconversion nanocrystals: Expanding the kaleidoscopic toolbox for emerging applications. <i>Nano Today</i> , 2019, 29, 100797.	11.9	141
8	Lanthanide-Activated Nanoparticles: A Toolbox for Bioimaging, Therapeutics, and Neuromodulation. <i>Accounts of Chemical Research</i> , 2020, 53, 2692-2704.	15.6	123
9	Qualitative and Quantitative Analysis of Tumor Cell Metabolism via Stable Isotope Labeling Assisted Microfluidic Chip Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 1695-1701.	6.5	119
10	Upconversion amplification through dielectric superlensing modulation. <i>Nature Communications</i> , 2019, 10, 1391.	12.8	114
11	Targeted isolation and analysis of single tumor cells with aptamer-encoded microwell array on microfluidic device. <i>Lab on A Chip</i> , 2012, 12, 5180.	6.0	88
12	Recent advances in microfluidic 3D cellular scaffolds for drug assays. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 87, 19-31.	11.4	82
13	Homogeneous detection of concanavalin A using pyrene-conjugated maltose assembled graphene based on fluorescence resonance energy transfer. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4497-4502.	10.1	81
14	Recent advances in microchip-mass spectrometry for biological analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 53, 84-97.	11.4	78
15	Biocompatible Amphiphilic Hydrogel-Solid Dimer Particles as Colloidal Surfactants. <i>ACS Nano</i> , 2017, 11, 11978-11985.	14.6	72
16	A portable microchip for ultrasensitive and high-throughput assay of thrombin by rolling circle amplification and hemin/G-quadruplex system. <i>Biosensors and Bioelectronics</i> , 2014, 56, 71-76.	10.1	70
17	Recent Development in X-Ray Imaging Technology: Future and Challenges. <i>Research</i> , 2021, 2021, 9892152.	5.7	65
18	Microfluidic Formation of Coculture Tumor Spheroids with Stromal Cells As a Novel 3D Tumor Model for Drug Testing. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 4425-4433.	5.2	64

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19	Singlet Oxygen Generation in Dark Hypoxia by Catalytic Microenvironment-Tailored Nanoreactors for NIR-Fluorescence-Monitored Chemodynamic Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15006-15012.	13.8	64
20	An in vitro liver model on microfluidic device for analysis of capecitabine metabolite using mass spectrometer as detector. <i>Biosensors and Bioelectronics</i> , 2015, 68, 322-328.	10.1	58
21	Oxygen-induced cell migration and on-line monitoring biomarkers modulation of cervical cancers on a microfluidic system. <i>Scientific Reports</i> , 2015, 5, 9643.	3.3	56
22	Confining Excitation Energy in Er ³⁺ -Sensitized Upconversion Nanocrystals through Tm ³⁺ -Mediated Transient Energy Trapping. <i>Angewandte Chemie</i> , 2017, 129, 7713-7717.	2.0	56
23	Microfluidic technologies in cell isolation and analysis for biomedical applications. <i>Analyst</i> , The, 2017, 142, 421-441.	3.5	56
24	Organic phosphorescent scintillation from copolymers by X-ray irradiation. <i>Nature Communications</i> , 2022, 13, .	12.8	55
25	Cytotoxicity of quantum dots assay on a microfluidic 3D-culture device based on modeling diffusion process between blood vessels and tissues. <i>Lab on A Chip</i> , 2012, 12, 3474.	6.0	54
26	Controlled co-precipitation of biocompatible colorant-loaded nanoparticles by microfluidics for natural color drinks. <i>Lab on A Chip</i> , 2019, 19, 2089-2095.	6.0	53
27	DNA-mediated cell surface engineering for multiplexed glycan profiling using MALDI-TOF mass spectrometry. <i>Chemical Science</i> , 2016, 7, 5448-5452.	7.4	52
28	Biomimetic nanofibrous scaffolds for neural tissue engineering and drug development. <i>Drug Discovery Today</i> , 2017, 22, 1375-1384.	6.4	51
29	Broadband Detection of X-ray, Ultraviolet, and Near-Infrared Photons using Solution-Processed Perovskite-Lanthanide Nanotransducers. <i>Advanced Materials</i> , 2021, 33, e2101852.	21.0	51
30	Near-Infrared II Gold Nanocluster Assemblies with Improved Luminescence and Biocompatibility for In Vivo Ratiometric Imaging of H ₂ S. <i>Analytical Chemistry</i> , 2022, 94, 2641-2647.	6.5	51
31	Microfluidic isolation of highly pure embryonic stem cells using feeder-separated co-culture system. <i>Scientific Reports</i> , 2013, 3, 2433.	3.3	49
32	Assay of multiplex proteins from cell metabolism based on tunable aptamer and microchip electrophoresis. <i>Biosensors and Bioelectronics</i> , 2015, 63, 105-111.	10.1	47
33	A simple and versatile microfluidic cell density gradient generator for quantum dot cytotoxicity assay. <i>Lab on A Chip</i> , 2013, 13, 1948.	6.0	43
34	Engineering Cell-Compatible Paper Chips for Cell Culturing, Drug Screening, and Mass Spectrometric Sensing. <i>Advanced Healthcare Materials</i> , 2015, 4, 2291-2296.	7.6	40
35	Localized Electrons Enhanced Ion Transport for Ultrafast Electrochemical Energy Storage. <i>Advanced Materials</i> , 2020, 32, e1905578.	21.0	39
36	Influence of Isomerism on Radioluminescence of Purely Organic Phosphorescence Scintillators. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 27195-27200.	13.8	35

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37	Silicon-hybrid carbon dots strongly enhance the chemiluminescence of luminol. <i>Mikrochimica Acta</i> , 2014, 181, 805-811.	5.0	29
38	An Activatable X-ray Scintillating Luminescent Nanoprobe for Early Diagnosis and Progression Monitoring of Thrombosis in Live Rat. <i>Advanced Functional Materials</i> , 2021, 31, 2006353.	14.9	22
39	Online multi-channel microfluidic chip-mass spectrometry and its application for quantifying noncovalent protein-protein interactions. <i>Analyst</i> , The, 2015, 140, 1551-1554.	3.5	21
40	Flexible control of cellular encapsulation, permeability, and release in a droplet-templated bifunctional copolymer scaffold. <i>Biomicrofluidics</i> , 2016, 10, 064115.	2.4	20
41	Statistical single-cell analysis of cell cycle-dependent quantum dot cytotoxicity and cellular uptake using a microfluidic system. <i>RSC Advances</i> , 2014, 4, 24929-24934.	3.6	19
42	Cell-patterned glass spray for direct drug assay using mass spectrometry. <i>Analytica Chimica Acta</i> , 2015, 892, 132-139.	5.4	15
43	Singlet Oxygen Generation in Dark Hypoxia by Catalytic Microenvironment-Tailored Nanoreactors for NIR-Fluorescence-Monitored Chemodynamic Therapy. <i>Angewandte Chemie</i> , 2021, 133, 15133-15139.	2.0	13
44	Influence of Isomerism on Radioluminescence of Purely Organic Phosphorescence Scintillators. <i>Angewandte Chemie</i> , 2021, 133, 27401-27406.	2.0	9
45	Flexible X-ray luminescence imaging enabled by cerium-sensitized nanoscintillators. <i>Journal of Luminescence</i> , 2022, 242, 118589.	3.1	8
46	A Perovskite-Based Paper Microfluidic Sensor for Haloalkane Assays. <i>Frontiers in Chemistry</i> , 2021, 9, 682006.	3.6	4