

Gungun Lin

List of Publications by Year in descending order

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42
papers

1,631
citations

361413

20
h-index

302126

39
g-index

45
all docs

45
docs citations

45
times ranked

2353
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Nanomaterials and Enabling Technologies for High-Security-Level Anticounterfeiting. <i>Advanced Materials</i> , 2020, 32, e1901430.	21.0	305
2	Ultrasensitive Ratiometric Nanothermometer with Large Dynamic Range and Photostability. <i>Chemistry of Materials</i> , 2019, 31, 9480-9487.	6.7	103
3	Magnetic sensing platform technologies for biomedical applications. <i>Lab on A Chip</i> , 2017, 17, 1884-1912.	6.0	99
4	Quantitative Lateral Flow Strip Sensor Using Highly Doped Upconversion Nanoparticles. <i>Analytical Chemistry</i> , 2018, 90, 12356-12360.	6.5	98
5	Stretchable Spin Valves on Elastomer Membranes by Predetermined Periodic Fracture and Random Wrinkling. <i>Advanced Materials</i> , 2012, 24, 6468-6472.	21.0	86
6	Learning from lanthanide complexes: The development of dye-lanthanide nanoparticles and their biomedical applications. <i>Coordination Chemistry Reviews</i> , 2021, 429, 213642.	18.8	72
7	Direct Transfer of Magnetic Sensor Devices to Elastomeric Supports for Stretchable Electronics. <i>Advanced Materials</i> , 2015, 27, 1333-1338.	21.0	69
8	The Quest for Optical Multiplexing in Bio-discoveries. <i>Chem</i> , 2018, 4, 997-1021.	11.7	65
9	A highly flexible and compact magnetoresistive analytic device. <i>Lab on A Chip</i> , 2014, 14, 4050-4058.	6.0	60
10	Light Weight and Flexible High-Performance Diagnostic Platform. <i>Advanced Healthcare Materials</i> , 2015, 4, 1517-1525.	7.6	58
11	Emerging technologies for profiling extracellular vesicle heterogeneity. <i>Lab on A Chip</i> , 2020, 20, 2423-2437.	6.0	54
12	A Single Rolled-Up Si Tube Battery for the Study of Electrochemical Kinetics, Electrical Conductivity, and Structural Integrity. <i>Advanced Materials</i> , 2014, 26, 7973-7978.	21.0	45
13	Anisotropic functionalization of upconversion nanoparticles. <i>Chemical Science</i> , 2018, 9, 4352-4358.	7.4	45
14	Gradient-sized control of tumor spheroids on a single chip. <i>Lab on A Chip</i> , 2019, 19, 4093-4103.	6.0	42
15	Manipulating Topological States by Imprinting Non-Collinear Spin Textures. <i>Scientific Reports</i> , 2015, 5, 8787.	3.3	38
16	Nanorods with multidimensional optical information beyond the diffraction limit. <i>Nature Communications</i> , 2020, 11, 6047.	12.8	35
17	Mammary Tumor Organoid Culture in Non-Adhesive Alginate for Luminal Mechanics and High-Throughput Drug Screening. <i>Advanced Science</i> , 2021, 8, e2102418.	11.2	35
18	Responsive Sensors of Upconversion Nanoparticles. <i>ACS Sensors</i> , 2021, 6, 4272-4282.	7.8	34

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19	Magnetofluidic platform for multidimensional magnetic and optical barcoding of droplets. <i>Lab on A Chip</i> , 2015, 15, 216-224.	6.0	32
20	Enabling peristalsis of human colon tumor organoids on microfluidic chips. <i>Biofabrication</i> , 2022, 14, 015006.	7.1	27
21	Magnetoresistive Emulsion Analyzer. <i>Scientific Reports</i> , 2013, 3, 2548.	3.3	24
22	Single Small Extracellular Vesicle (sEV) Quantification by Upconversion Nanoparticles. <i>Nano Letters</i> , 2022, 22, 3761-3769.	9.1	22
23	Magnetic Suspension Array Technology: Controlled Synthesis and Screening in Microfluidic Networks. <i>Small</i> , 2016, 12, 4553-4562.	10.0	19
24	Microtubular Fuel Cell with Ultrahigh Power Output per Footprint. <i>Advanced Materials</i> , 2017, 29, 1607046.	21.0	18
25	Bispecific Antibody-Functionalized Upconversion Nanoprobe. <i>Analytical Chemistry</i> , 2018, 90, 3024-3029.	6.5	18
26	Unidirectional intercellular communication on a microfluidic chip. <i>Biosensors and Bioelectronics</i> , 2021, 175, 112833.	10.1	17
27	Coding and decoding stray magnetic fields for multiplexing kinetic bioassay platform. <i>Lab on A Chip</i> , 2020, 20, 4561-4571.	6.0	12
28	Stratified Disk Microrobots with Dynamic Maneuverability and Proton-Activatable Luminescence for <i>in Vivo</i> Imaging. <i>ACS Nano</i> , 2021, 15, 19924-19937.	14.6	12
29	Aspect Ratio of PEGylated Upconversion Nanocrystals Affects the Cellular Uptake <i>In Vitro</i> and <i>In Vivo</i> . <i>Acta Biomaterialia</i> , 2022, 147, 403-413.	8.3	11
30	Strong Ferromagnetically-Coupled Spin Valve Sensor Devices for Droplet Magnetofluidics. <i>Sensors</i> , 2015, 15, 12526-12538.	3.8	10
31	DNA-mediated anisotropic silica coating of upconversion nanoparticles. <i>Chemical Communications</i> , 2018, 54, 7183-7186.	4.1	9
32	Taking upconversion to lase in microcavity. <i>Nature Nanotechnology</i> , 2018, 13, 534-536.	31.5	9
33	Time-resolved magnetic imaging in an aberration-corrected, energy-filtered photoemission electron microscope. <i>Ultramicroscopy</i> , 2013, 130, 54-62.	1.9	8
34	Encoding Microreactors with Droplet Chains in Microfluidics. <i>ACS Sensors</i> , 2017, 2, 1839-1846.	7.8	8
35	Magnetic particles for multidimensional <i>in vitro</i> bioanalysis. <i>View</i> , 2021, 2, 20200076.	5.3	8
36	Supervised discriminant analysis for droplet micro-magnetofluidics. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 457-464.	2.2	7

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37	Anticounterfeiting Systems: Optical Nanomaterials and Enabling Technologies for High Security Level Anticounterfeiting (Adv. Mater. 18/2020). Advanced Materials, 2020, 32, 2070141.	21.0	6
38	3D Rotation-Trackable and Differentiable Micromachines with Dimer-Type Structures for Dynamic Bioanalysis. Advanced Intelligent Systems, 2021, 3, 2000205.	6.1	5
39	Off-axis gyration induces large-area circular motion of anisotropic microparticles in a dynamic magnetic trap. Applied Physics Letters, 2021, 119, .	3.3	4
40	Stretchable Electronics: Direct Transfer of Magnetic Sensor Devices to Elastomeric Supports for Stretchable Electronics (Adv. Mater. 8/2015). Advanced Materials, 2015, 27, 1306-1306.	21.0	1
41	Droplet Microfluidics: Magnetic Suspension Array Technology: Controlled Synthesis and Screening in Microfluidic Networks (Small 33/2016). Small, 2016, 12, 4580-4580.	10.0	0
42	Rotating Micromachines with Stratified Disk Architecture for Dynamic Bioanalysis. Engineering Proceedings, 2021, 4, .	0.4	0