

Huilin Shao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

4,208
citations

25
h-index

44
g-index

44
ext. papers

5,042
ext. citations

16.8
avg, IF

5.51
L-index

#	Paper	IF	Citations
42	Voices of biotech research. <i>Nature Biotechnology</i> , 2021 , 39, 281-286	44.5	1
41	Catalytic amplification by transition-state molecular switches for direct and sensitive detection of SARS-CoV-2. <i>Science Advances</i> , 2021 , 7,	14.3	3
40	Extracellular vesicle drug occupancy enables real-time monitoring of targeted cancer therapy. <i>Nature Nanotechnology</i> , 2021 , 16, 734-742	28.7	19
39	Surfactant-guided spatial assembly of nano-architectures for molecular profiling of extracellular vesicles. <i>Nature Communications</i> , 2021 , 12, 4039	17.4	2
38	Collaborative Equilibrium Coupling of Catalytic DNA Nanostructures Enables Programmable Detection of SARS-CoV-2. <i>Advanced Science</i> , 2021 , 8, e2101155	13.6	1
37	On-chip analysis of glioblastoma cell chemoresistance 2021 , 473-490		
36	Head-to-head comparison of amplified plasmonic exosome A β 2 platform and single-molecule array immunoassay in a memory clinic cohort. <i>European Journal of Neurology</i> , 2021 , 28, 1479-1489	6	4
35	Accessible detection of SARS-CoV-2 through molecular nanostructures and automated microfluidics. <i>Biosensors and Bioelectronics</i> , 2021 , 194, 113629	11.8	8
34	Exosome-templated nanoplasmonics for multiparametric molecular profiling. <i>Science Advances</i> , 2020 , 6, eaba2556	14.3	31
33	Biomarker Organization in Circulating Extracellular Vesicles: New Applications in Detecting Neurodegenerative Diseases. <i>Advanced Biology</i> , 2020 , 4, e1900309	3.5	5
32	Large and small extracellular vesicles released by glioma cells and. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1689784	16.4	30
31	Dual-Selective Magnetic Analysis of Extracellular Vesicle Glycans. <i>Matter</i> , 2020 , 2, 150-166	12.7	19
30	New Sensors for Extracellular Vesicles: Insights on Constituent and Associated Biomarkers. <i>ACS Sensors</i> , 2020 , 5, 4-12	9.2	18
29	Subtyping of circulating exosome-bound amyloid β reflects brain plaque deposition. <i>Nature Communications</i> , 2019 , 10, 1144	17.4	84
28	Microhexagon gradient array directs spatial diversification of spinal motor neurons. <i>Theranostics</i> , 2019 , 9, 311-323	12.1	10
27	Barcoded DNA nanostructures for the multiplexed profiling of subcellular protein distribution. <i>Nature Biomedical Engineering</i> , 2019 , 3, 684-694	19	33
26	New Technologies for Analysis of Extracellular Vesicles. <i>Chemical Reviews</i> , 2018 , 118, 1917-1950	68.1	581

25	Visual and modular detection of pathogen nucleic acids with enzyme-DNA molecular complexes. <i>Nature Communications</i> , 2018 , 9, 3238	17.4	35
24	Design and synthesis of magnetic nanoparticles for biomedical diagnostics. <i>Quantitative Imaging in Medicine and Surgery</i> , 2018 , 8, 957-970	3.6	15
23	Fabrication of circular assemblies with DNA tetrahedrons: from static structures to a dynamic rotary motor. <i>Nucleic Acids Research</i> , 2017 , 45, 12090-12099	20.1	9
22	Miniaturized Nuclear Magnetic Resonance Platform for Rare Cell Detection and Profiling 2016 , 183-200		1
21	Chip-based analysis of exosomal mRNA mediating drug resistance in glioblastoma. <i>Nature Communications</i> , 2015 , 6, 6999	17.4	363
20	Digital diffraction analysis enables low-cost molecular diagnostics on a smartphone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5613-8	11.5	68
19	Nano-plasmonic exosome diagnostics. <i>Expert Review of Molecular Diagnostics</i> , 2015 , 15, 725-33	3.8	36
18	Acoustic purification of extracellular microvesicles. <i>ACS Nano</i> , 2015 , 9, 2321-7	16.7	287
17	Diagnostic technologies for circulating tumour cells and exosomes. <i>Bioscience Reports</i> , 2015 , 36, e002924.1		50
16	Label-free detection and molecular profiling of exosomes with a nano-plasmonic sensor. <i>Nature Biotechnology</i> , 2014 , 32, 490-5	44.5	826
15	Miniaturized nuclear magnetic resonance platform for detection and profiling of circulating tumor cells. <i>Lab on A Chip</i> , 2014 , 14, 14-23	7.2	56
14	Magnetic nanosensor for detection and profiling of erythrocyte-derived microvesicles. <i>ACS Nano</i> , 2013 , 7, 11227-33	16.7	77
13	Oxidation Kinetics and Magnetic Properties of Elemental Iron Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 667-671	3.1	11
12	Protein typing of circulating microvesicles allows real-time monitoring of glioblastoma therapy. <i>Nature Medicine</i> , 2012 , 18, 1835-40	50.5	521
11	Mechanism of magnetic relaxation switching sensing. <i>ACS Nano</i> , 2012 , 6, 6821-8	16.7	92
10	Magnetic Nanoparticles and microNMR for Diagnostic Applications. <i>Theranostics</i> , 2012 , 2, 55-65	12.1	130
9	Microfluidic cell sorter (BCS) for on-chip capture and analysis of single cells. <i>Advanced Healthcare Materials</i> , 2012 , 1, 432-6	10.1	40
8	Ultrasensitive clinical enumeration of rare cells ex vivo using a micro-hall detector. <i>Science Translational Medicine</i> , 2012 , 4, 141ra92	17.5	190

7	Multicore assemblies potentiate magnetic properties of biomagnetic nanoparticles. <i>Advanced Materials</i> , 2011 , 23, 4793-7	24	81
6	Facile synthesis of hybrid nanostructures from nanoparticles, nanorods and nanowires. <i>Journal of Materials Chemistry</i> , 2011 , 21, 11478		30
5	Enantioselective hydrogenation of α -ketoesters over alkaloid-modified platinum nanowires. <i>Green Chemistry</i> , 2011 , 13, 3070	10	20
4	Self-assembled magnetic filter for highly efficient immunomagnetic separation. <i>Lab on A Chip</i> , 2011 , 11, 147-51	7.2	46
3	Magnetic nanoparticles for biomedical NMR-based diagnostics. <i>Beilstein Journal of Nanotechnology</i> , 2010 , 1, 142-54	3	72
2	Carboxymethylated polyvinyl alcohol stabilizes doped ferrofluids for biological applications. <i>Advanced Materials</i> , 2010 , 22, 5168-72	24	58
1	Bifunctional Fe ₃ O ₄ /Ag Heterodimer Nanoparticles for Two-Photon Fluorescence Imaging and Magnetic Manipulation. <i>Advanced Materials</i> , 2008 , 20, 4403-4407	24	243