# Huilin Shao

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9342211/publications.pdf

Version: 2024-02-01

| 42 | 5,791 | 230014 | 312153 |
|---|---|---|---|
| papers | citations | 27 h-index | 41 g-index |

| 44 | 44 | 44 | 9596 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | A degradative to secretory autophagy switch mediates mitochondria clearance in the absence of the mATG8-conjugation machinery. Nature Communications, 2022, 13, . | 5.8 | 40 |
| 2 | On-chip analysis of glioblastoma cell chemoresistance. , 2021, , 473-490. | | 0 |
| 3 | Headâ€toâ€head comparison of amplified plasmonic exosome AÎ²42 platform and singleâ€molecule array immunoassay in a memory clinic cohort. European Journal of Neurology, 2021, 28, 1479-1489. | 1.7 | 11 |
| 4 | Voices of biotech research. Nature Biotechnology, 2021, 39, 281-286. | 9.4 | 3 |
| 5 | Catalytic amplification by transition-state molecular switches for direct and sensitive detection of SARS-CoV-2. Science Advances, 2021, 7, . | 4.7 | 14 |
| 6 | Extracellular vesicle drug occupancy enables real-time monitoring of targeted cancer therapy. Nature Nanotechnology, 2021, 16, 734-742. | 15.6 | 51 |
| 7 | Surfactant-guided spatial assembly of nano-architectures for molecular profiling of extracellular vesicles. Nature Communications, 2021, 12, 4039. | 5.8 | 14 |
| 8 | Collaborative Equilibrium Coupling of Catalytic DNA Nanostructures Enables Programmable Detection of SARSâ€CoVâ€2. Advanced Science, 2021, 8, 2101155. | 5.6 | 6 |
| 9 | Accessible detection of SARS-CoV-2 through molecular nanostructures and automated microfluidics. Biosensors and Bioelectronics, 2021, 194, 113629. | 5.3 | 21 |
| 10 | Large and small extracellular vesicles released by glioma cells in vitro and in vivo. Journal of Extracellular Vesicles, 2020, 9, 1689784. | 5.5 | 57 |
| 11 | Dual-Selective Magnetic Analysis of Extracellular Vesicle Glycans. Matter, 2020, 2, 150-166. | 5.0 | 37 |
| 12 | New Sensors for Extracellular Vesicles: Insights on Constituent and Associated Biomarkers. ACS Sensors, 2020, 5, 4-12. | 4.0 | 29 |
| 13 | Exosome-templated nanoplasmonics for multiparametric molecular profiling. Science Advances, 2020, 6, eaba2556. | 4.7 | 56 |
| 14 | Biomarker Organization in Circulating Extracellular Vesicles: New Applications in Detecting Neurodegenerative Diseases. Advanced Biology, 2020, 4, e1900309. | 3.0 | 10 |
| 15 | Barcoded DNA nanostructures for the multiplexed profiling of subcellular protein distribution. Nature Biomedical Engineering, 2019, 3, 684-694. | 11.6 | 53 |
| 16 | Subtyping of circulating exosome-bound amyloid Î² reflects brain plaque deposition. Nature Communications, 2019, 10, 1144. | 5.8 | 136 |
| 17 | Microhexagon gradient array directs spatial diversification of spinal motor neurons. Theranostics, 2019, 9, 311-323. | 4.6 | 16 |
| 18 | New Technologies for Analysis of Extracellular Vesicles. Chemical Reviews, 2018, 118, 1917-1950. | 23.0 | 1,041 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Design and synthesis of magnetic nanoparticles for biomedical diagnostics. Quantitative Imaging in Medicine and Surgery, 2018, 8, 957-970. | 1.1 | 24 |
| 20 | Visual and modular detection of pathogen nucleic acids with enzymeâ€“DNA molecular complexes. Nature Communications, 2018, 9, 3238. | 5.8 | 68 |
| 21 | Fabrication of circular assemblies with DNA tetrahedrons: from static structures to a dynamic rotary motor. Nucleic Acids Research, 2017, 45, 12090-12099. | 6.5 | 11 |
| 22 | Diagnostic technologies for circulating tumour cells and exosomes. Bioscience Reports, 2016, 36, e00292. | 1.1 | 63 |
| 23 | Nano-plasmonic exosome diagnostics. Expert Review of Molecular Diagnostics, 2015, 15, 725-733. | 1.5 | 44 |
| 24 | Acoustic Purification of Extracellular Microvesicles. ACS Nano, 2015, 9, 2321-2327. | 7.3 | 413 |
| 25 | Chip-based analysis of exosomal mRNA mediating drug resistance in glioblastoma. Nature Communications, 2015, 6, 6999. | 5.8 | 484 |
| 26 | Digital diffraction analysis enables low-cost molecular diagnostics on a smartphone. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5613-5618. | 3.3 | 80 |
| 27 | Miniaturized nuclear magnetic resonance platform for detection and profiling of circulating tumor cells. Lab on A Chip, 2014, 14, 14-23. | 3.1 | 70 |
| 28 | Label-free detection and molecular profiling of exosomes with a nano-plasmonic sensor. Nature Biotechnology, 2014, 32, 490-495. | 9.4 | 1,060 |
| 29 | Magnetic Nanosensor for Detection and Profiling of Erythrocyte-Derived Microvesicles. ACS Nano, 2013, 7, 11227-11233. | 7.3 | 96 |
| 30 | Oxidation Kinetics and Magnetic Properties of Elemental Iron Nanoparticles. Particle and Particle Systems Characterization, 2013, 30, 667-671. | 1.2 | 16 |
| 31 | Protein typing of circulating microvesicles allows real-time monitoring of glioblastoma therapy. Nature Medicine, 2012, 18, 1835-1840. | 15.2 | 647 |
| 32 | Mechanism of Magnetic Relaxation Switching Sensing. ACS Nano, 2012, 6, 6821-6828. | 7.3 | 115 |
| 33 | Magnetic Nanoparticles and microNMR for Diagnostic Applications. Theranostics, 2012, 2, 55-65. | 4.6 | 152 |
| 34 | Microfluidic Cell Sorter (Î¼FCS) for Onâ€chip Capture and Analysis of Single Cells. Advanced Healthcare Materials, 2012, 1, 432-436. | 3.9 | 43 |
| 35 | Ultrasensitive Clinical Enumeration of Rare Cells ex Vivo Using a Micro-Hall Detector. Science Translational Medicine, 2012, 4, 141ra92. | 5.8 | 211 |
| 36 | Facile synthesis of hybrid nanostructures from nanoparticles, nanorods and nanowires. Journal of Materials Chemistry, 2011, 21, 11478. | 6.7 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Enantioselective hydrogenation of Î±-ketoesters over alkaloid-modified platinum nanowires. Green Chemistry, 2011, 13, 3070. | 4.6 | 23 |
| 38 | Self-assembled magnetic filter for highly efficient immunomagnetic separation. Lab on A Chip, 2011, 11, 147-151. | 3.1 | 49 |
| 39 | Multicore Assemblies Potentiate Magnetic Properties of Biomagnetic Nanoparticles. Advanced Materials, 2011, 23, 4793-4797. | 11.1 | 92 |
| 40 | Carboxymethylated Polyvinyl Alcohol Stabilizes Doped Ferrofluids for Biological Applications. Advanced Materials, 2010, 22, 5168-5172. | 11.1 | 59 |
| 41 | Magnetic nanoparticles for biomedical NMR-based diagnostics. Beilstein Journal of Nanotechnology, 2010, 1, 142-154. | 1.5 | 87 |
| 42 | Bifunctional Fe<sub>3</sub>O<sub>4</sub>â€“Ag Heterodimer Nanoparticles for Twoâ€Photon Fluorescence Imaging and Magnetic Manipulation. Advanced Materials, 2008, 20, 4403-4407. | 11.1 | 258 |