

Martin Fischlechner

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

2,736
citations

393982

19
h-index

552369

26
g-index

27
all docs

27
docs citations

27
times ranked

3639
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Microdroplets in Microfluidics: An Evolving Platform for Discoveries in Chemistry and Biology. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 5846-5868. | 7.2 | 903 |
| 2 | Ultrahigh-throughput directed enzyme evolution by absorbance-activated droplet sorting (AADS). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E7383-E7389. | 3.3 | 210 |
| 3 | Hydrophilic PDMS microchannels for high-throughput formation of oil-in-water microdroplets and water-in-oil-in-water double emulsions. <i>Lab on A Chip</i> , 2010, 10, 1814. | 3.1 | 203 |
| 4 | Picoliter Cell Lysate Assays in Microfluidic Droplet Compartments for Directed Enzyme Evolution. <i>Chemistry and Biology</i> , 2012, 19, 1001-1009. | 6.2 | 195 |
| 5 | One in a Million: Flow Cytometric Sorting of Single Cell-Lysate Assays in Monodisperse Picolitre Double Emulsion Droplets for Directed Evolution. <i>Analytical Chemistry</i> , 2014, 86, 2526-2533. | 3.2 | 170 |
| 6 | Availability of public goods shapes the evolution of competing metabolic strategies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 14302-14307. | 3.3 | 169 |
| 7 | Evolution of enzyme catalysts caged in biomimetic gel-shell beads. <i>Nature Chemistry</i> , 2014, 6, 791-796. | 6.6 | 140 |
| 8 | Viruses as Building Blocks for Materials and Devices. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3184-3193. | 7.2 | 135 |
| 9 | A Fully Unsupervised Compartment-on-Demand Platform for Precise Nanoliter Assays of Time-Dependent Steady-State Enzyme Kinetics and Inhibition. <i>Analytical Chemistry</i> , 2013, 85, 4761-4769. | 3.2 | 85 |
| 10 | Engineering Virus Functionalities on Colloidal Polyelectrolyte Lipid Composites. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2892-2895. | 7.2 | 75 |
| 11 | Lipid layers on polyelectrolyte multilayer supports. <i>Soft Matter</i> , 2008, 4, 2245. | 1.2 | 65 |
| 12 | Virus-Engineered Colloidal Particles A Surface Display System. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 784-789. | 7.2 | 46 |
| 13 | Monodisperse Water-in-Oil-in-Water (W/O/W) Double Emulsion Droplets as Uniform Compartments for High-Throughput Analysis via Flow Cytometry. <i>Micromachines</i> , 2013, 4, 402-413. | 1.4 | 43 |
| 14 | Microdroplet fabrication of silver agarose nanocomposite beads for SERS optical accumulation. <i>Soft Matter</i> , 2011, 7, 1321-1325. | 1.2 | 39 |
| 15 | Fusion of Enveloped Virus Nanoparticles with Polyelectrolyte-Supported Lipid Membranes for the Design of Bio/Nonbio Interfaces. <i>Nano Letters</i> , 2007, 7, 3540-3546. | 4.5 | 34 |
| 16 | Microdroplet screening and selection for improved microbial production of extracellular compounds. <i>Current Opinion in Biotechnology</i> , 2020, 61, 72-81. | 3.3 | 34 |
| 17 | Virus-Coated Layer-by-Layer Colloids as a Multiplex Suspension Array for the Detection and Quantification of Virus-Specific Antibodies. <i>Clinical Chemistry</i> , 2006, 52, 1575-1583. | 1.5 | 31 |
| 18 | On-chip cavity-enhanced absorption spectroscopy using a white light-emitting diode and polymer mirrors. <i>Lab on A Chip</i> , 2015, 15, 711-717. | 3.1 | 29 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Myeloperoxidase binds to non-vital spermatozoa on phosphatidylserine epitopes. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 1803-1812. | 2.2 | 20 |
| 20 | Characterization of lipid bilayers adsorbed on spherical LbL-support. Soft Matter, 2009, 5, 3331. | 1.2 | 13 |
| 21 | Droplets as Reaction Compartments for Protein Nanotechnology. Methods in Molecular Biology, 2013, 996, 269-286. | 0.4 | 13 |