Martin Fischlechner

List of Publications by Year
in descending order

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	Microdroplet screening and selection for improved microbial production of extracellular compounds. Current Opinion in Biotechnology, 2020, 61, 72-81.	3.3	34
2	Ultrahigh-throughputâ€“directed enzyme evolution by absorbance-activated droplet sorting (AADS). Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7383-E7389.	3.3	210
3	On-chip cavity-enhanced absorption spectroscopy using a white light-emitting diode and polymer mirrors. Lab on A Chip, 2015, 15, 711-717.	3.1	29
4	Evolution of enzyme catalysts caged in biomimetic gel-shell beads. Nature Chemistry, 2014, 6, 791-796.	6.6	140
5	One in a Million: Flow Cytometric Sorting of Single Cell-Lysate Assays in Monodisperse Picolitre Double Emulsion Droplets for Directed Evolution. Analytical Chemistry, 2014, 86, 2526-2533.	3.2	170
6	Droplets as Reaction Compartments for Protein Nanotechnology. Methods in Molecular Biology, 2013, 996, 269-286.	0.4	13
7	A Fully Unsupervised Compartment-on-Demand Platform for Precise Nanoliter Assays of Time-Dependent Steady-State Enzyme Kinetics and Inhibition. Analytical Chemistry, 2013, 85, 4761-4769.	3.2	85
8	Availability of public goods shapes the evolution of competing metabolic strategies. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14302-14307.	3.3	169
9	Monodisperse Water-in-Oil-in-Water (W/O/W) Double Emulsion Droplets as Uniform Compartments for High-Throughput Analysis via Flow Cytometry. Micromachines, 2013, 4, 402-413.	1.4	43
10	Picoliter Cell Lysate Assays in Microfluidic Droplet Compartments for Directed Enzyme Evolution. Chemistry and Biology, 2012, 19, 1001-1009.	6.2	195
11	Microdroplet fabrication of silverâ€“agarose nanocomposite beads for SERS optical accumulation. Soft Matter, 2011, 7, 1321-1325.	1.2	39
12	Hydrophilic PDMS microchannels for high-throughput formation of oil-in-water microdroplets and water-in-oil-in-water double emulsions. Lab on A Chip, 2010, 10, 1814.	3.1	203
13	Microdroplets in Microfluidics: An Evolving Platform for Discoveries in Chemistry and Biology. Angewandte Chemie - International Edition, 2010, 49, 5846-5868.	7.2	903
14	Characterization of lipid bilayers adsorbed on spherical LbL-support. Soft Matter, 2009, 5, 3331.	1.2	13
15	Lipid layers on polyelectrolyte multilayer supports. Soft Matter, 2008, 4, 2245.	1.2	65
16	Fusion of Enveloped Virus Nanoparticles with Polyelectrolyte-Supported Lipid Membranes for the Design of Bio/Nonbio Interfaces. Nano Letters, 2007, 7, 3540-3546.	4.5	34
17	Viruses as Building Blocks for Materials and Devices. Angewandte Chemie - International Edition, 2007, 46, 3184-3193.	7.2	135
18	Myeloperoxidase binds to non-vital spermatozoa on phosphatidylserine epitopes. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 1803-1812.	2.2	20

#	Article	IF	Citations
19	Virus-Engineered Colloidal Particlesâ€"A Surface Display System. Angewandte Chemie - International Edition, 2006, 45, 784-789.	7.2	46
20	Virus-Coated Layer-by-Layer Colloids as a Multiplex Suspension Array for the Detection and Quantification of Virus-Specific Antibodies. Clinical Chemistry, 2006, 52, 1575-1583.	1.5	31
21	Engineering Virus Functionalities on Colloidal Polyelectrolyte Lipid Composites. Angewandte Chemie - International Edition, 2005, 44, 2892-2895.	7.2	75