

Amirreza Malekanfard

List of Publications by Year in descending order

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papers

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1307594

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106
citing authors

#	ARTICLE	IF	CITATIONS
1	Joule heating-enabled electrothermal enrichment of nanoparticles in insulator-based dielectrophoretic microdevices. <i>Electrophoresis</i> , 2021, 42, 626-634.	2.4	9
2	AC Insulator-Based Dielectrophoretic Focusing of Particles and Cells in an Infinite-Microchannel. <i>Analytical Chemistry</i> , 2021, 93, 5947-5953.	6.5	20
3	Insulator-based dielectrophoretic focusing and trapping of particles in non-Newtonian fluids. <i>Electrophoresis</i> , 2021, 42, 2154-2161.	2.4	15
4	Interplay of induced charge electroosmosis and electrothermal flow in insulator-based dielectrophoresis. <i>Physical Review Fluids</i> , 2021, 6, .	2.5	3
5	Analytical Guidelines for Designing Curvature-Induced Dielectrophoretic Particle Manipulation Systems. <i>Micromachines</i> , 2020, 11, 707.	2.9	6
6	Passive Dielectrophoretic Focusing of Particles and Cells in Ratchet Microchannels. <i>Micromachines</i> , 2020, 11, 451.	2.9	15
7	Experimental study of particle electrophoresis in shear-thinning fluids. <i>Physics of Fluids</i> , 2019, 31, .	4.0	15
8	Electroosmotic flow of non-Newtonian fluids in a constriction microchannel. <i>Electrophoresis</i> , 2019, 40, 1387-1394.	2.4	40
9	Tunable, Sheathless Focusing of Diamagnetic Particles in Ferrofluid Microflows with a Single Set of Overhead Permanent Magnets. <i>Analytical Chemistry</i> , 2018, 90, 8600-8606.	6.5	30