

Stuart J Williams

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

400
citations

933264

10
h-index

752573

20
g-index

23
all docs

23
docs citations

23
times ranked

583
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid detection of SARS-CoV-2 antibodies using electrochemical impedance-based detector. <i>Biosensors and Bioelectronics</i> , 2021, 171, 112709.	5.3	148
2	Enhanced electrothermal pumping with thin film resistive heaters. <i>Electrophoresis</i> , 2013, 34, 1400-1408.	1.3	41
3	Electrothermal pumping with interdigitated electrodes and resistive heaters. <i>Electrophoresis</i> , 2015, 36, 1681-1689.	1.3	34
4	Viscous resistance in drop coalescence. <i>Physics of Fluids</i> , 2019, 31, .	1.6	30
5	Multiscale Self-Assembly of Distinctive Weblike Structures from Evaporated Drops of Dilute American Whiskeys. <i>ACS Nano</i> , 2020, 14, 5417-5425.	7.3	22
6	Dielectrophoretic trapping of nanoparticles with an electrokinetic nanoprobe. <i>Electrophoresis</i> , 2013, 34, 1922-1930.	1.3	19
7	Isomotive dielectrophoresis for parallel analysis of individual particles. <i>Electrophoresis</i> , 2017, 38, 1441-1449.	1.3	16
8	Characterization of 2D colloids assembled by optically-induced electrohydrodynamics. <i>Soft Matter</i> , 2015, 11, 4266-4272.	1.2	15
9	An orbital shear platform for real-time, in vitro endothelium characterization. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1336-1344.	1.7	15
10	Electrokinetic concentration and patterning of colloids with a scanning laser. <i>Electrophoresis</i> , 2012, 33, 1931-1937.	1.3	12
11	Advances and applications of isomotive dielectrophoresis for cell analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3813-3833.	1.9	11
12	Membrane tension may define the deadliest virus infection. <i>Colloids and Interface Science Communications</i> , 2021, 40, 100338.	2.0	7
13	New insights into anhydrobiosis using cellular dielectrophoresis-based characterization. <i>Biomicrofluidics</i> , 2019, 13, 064113.	1.2	6
14	Scaling law analysis of electrohydrodynamics and dielectrophoresis for isomotive dielectrophoresis microfluidic devices. <i>Electrophoresis</i> , 2020, 41, 148-155.	1.3	6
15	Inexpensive three-dimensional dielectrophoretic microfluidic devices using milled copperclad substrates. <i>Journal of Electrostatics</i> , 2015, 75, 49-53.	1.0	4
16	Particle-Induced Electrostatic Repulsion within an Electric Curtain Operating below the Paschen Limit. <i>Micromachines</i> , 2022, 13, 288.	1.4	4
17	Advances and Applications of Rapid Electrokinetic Patterning. <i>Journal of the Indian Institute of Science</i> , 2018, 98, 85-101.	0.9	3
18	Time-resolved particle image velocimetry analysis and computational modeling of transient optically induced electrothermal micro vortex. <i>Electrophoresis</i> , 2021, 42, 2483-2489.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Characterization of 2D colloid aggregations created by optically induced electrohydrodynamics. Electrophoresis, 2015, 36, 1674-1680.	1.3	2
20	Cyclic force driven colloidal self-assembly near a solid surface. Journal of Colloid and Interface Science, 2022, 607, 1402-1410.	5.0	2
21	Electrical characterization of phytoplankton suspensions using impedance spectroscopy. Journal of Applied Phycology, 2021, 33, 1643-1650.	1.5	0
22	Light scattering of colloidal suspensions: formation and stability in bourbon whiskeys. Journal of the Institute of Brewing, 0, , .	0.8	0