

Jae-Sung Kwon

List of Publications by Year in descending order

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17
papers

314
citations

933447

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17
times ranked

296
citing authors

#	ARTICLE	IF	CITATIONS
1	Microfluidic free-flow electrophoresis: A promising tool for protein purification and analysis in proteomics. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 109, 79-99.	5.8	6
2	Rotational diffusometric sensor with isothermal amplification for ultra-sensitive and rapid detection of SARS-CoV-2 nsp2 cDNA. <i>Biosensors and Bioelectronics</i> , 2022, 210, 114293.	10.1	6
3	Numerical study on novel airfoil corrugated plate heat exchanger: A comparison with commercial type and geometrical parameter analysis. <i>International Journal of Heat and Mass Transfer</i> , 2022, 195, 123119.	4.8	12
4	Numerical study and Taguchi optimization of fluid mixing by a microheater-modulated alternating current electrothermal flow in a Y-shape microchannel. <i>Sensors and Actuators B: Chemical</i> , 2021, 329, 129242.	7.8	12
5	Facile open-well immunofluorescence enhancement with coplanar-electrodes-enabled optoelectrokinetics and magnetic particles. <i>Biosensors and Bioelectronics</i> , 2021, 193, 113527.	10.1	4
6	Development of porous silicon-coated gold nanoparticles as potential theragnostic material. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 1706-1712.	1.9	5
7	Sensitive tear screening of diabetic retinopathy with dual biomarkers enabled using a rapid electrokinetic patterning platform. <i>Lab on A Chip</i> , 2020, 20, 356-362.	6.0	21
8	Tear Diagnosis for Diabetic Retinopathy using an Optoelectro-Kinetically Driven Bead-Based Immunosensor. , 2019, , .		1
9	Light-actuated electrothermal microfluidic flow for micro-mixing. <i>Journal of Micromechanics and Microengineering</i> , 2019, 29, 017003.	2.6	6
10	Microfluidic Technology for Cell Manipulation. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 992.	2.5	18
11	Formation and Characterization of Inkjet-Printed Nanosilver Lines on Plasma-Treated Glass Substrates. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 280.	2.5	13
12	Light-actuated electrothermal microfluidic motion: experimental investigation and physical interpretation. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 609-619.	2.2	15
13	Optoelectrical microfluidics as a promising tool in biology. <i>Trends in Biotechnology</i> , 2014, 32, 414-421.	9.3	35
14	Towards New Methodologies for Manipulation of Colloidal Particles in a Miniaturized Fluidic Device: Optoelectrokinetic Manipulation Technique. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2013, 135, .	1.5	12
15	Opto-electrokinetic manipulation for high-performance on-chip bioassays. <i>Lab on A Chip</i> , 2012, 12, 4955.	6.0	32
16	Optically Modulated Electrokinetic Manipulation and Concentration of Colloidal Particles near an Electrode Surface. <i>Langmuir</i> , 2010, 26, 5262-5272.	3.5	69
17	Improvement of microchannel geometry subject to electrokinesis and dielectrophoresis using numerical simulations. <i>Microfluidics and Nanofluidics</i> , 2008, 5, 23-31.	2.2	47