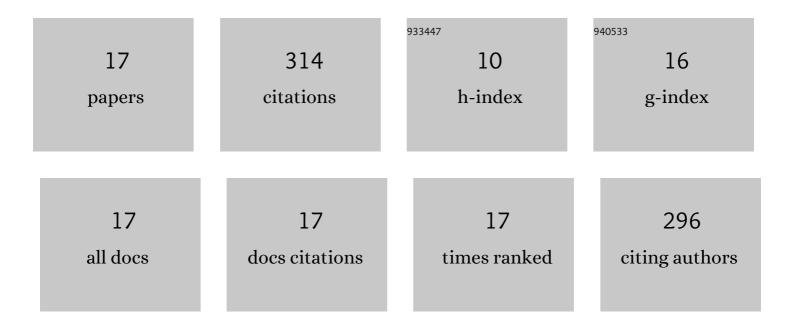
## Jae-Sung Kwon

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6154057/publications.pdf Version: 2024-02-01



INF-SUNG KWON

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