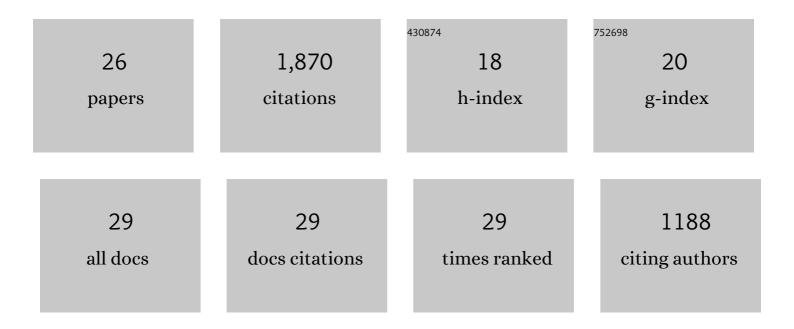
Jae Kyoo Lee

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Thermal and Catalytic Decomposition of 2-Hydroxyethylhydrazine and 2-Hydroxyethylhydrazinium Nitrate Ionic Liquid. Journal of Physical Chemistry A, 2022, 126, 373-394.	2.5	4
2	Spatial localization of charged molecules by salt ions in oil-confined water microdroplets. Science Advances, 2020, 6, .	10.3	29
3	Restricted intramolecular rotation of fluorescent molecular rotors at the periphery of aqueous microdroplets in oil. Scientific Reports, 2020, 10, 16859.	3.3	22
4	Condensing water vapor to droplets generates hydrogen peroxide. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30934-30941.	7.1	104
5	Strong Concentration Enhancement of Molecules at the Interface of Aqueous Microdroplets. Journal of Physical Chemistry B, 2020, 124, 9938-9944.	2.6	35
6	Spraying Small Water Droplets Acts as a Bacteriocide. QRB Discovery, 2020, 1, .	1.6	25
7	Strong Electric Field Observed at the Interface of Aqueous Microdroplets. Journal of Physical Chemistry Letters, 2020, 11, 7423-7428.	4.6	177
8	Spontaneous generation of hydrogen peroxide from aqueous microdroplets. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 19294-19298.	7.1	287
9	Micrometer-Sized Water Droplets Induce Spontaneous Reduction. Journal of the American Chemical Society, 2019, 141, 10585-10589.	13.7	205
10	Aqueous microdroplets containing only ketones or aldehydes undergo Dakin and Baeyer–Villiger reactions. Chemical Science, 2019, 10, 10974-10978.	7.4	81
11	Spontaneous formation of gold nanostructures in aqueous microdroplets. Nature Communications, 2018, 9, 1562.	12.8	124
12	Microdroplet fusion mass spectrometry: accelerated kinetics of acid-induced chlorophyll demetallation. Quarterly Reviews of Biophysics, 2017, 50, e2.	5.7	36
13	Abiotic production of sugar phosphates and uridine ribonucleoside in aqueous microdroplets. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 12396-12400.	7.1	166
14	Nanotip Ambient Ionization Mass Spectrometry. Analytical Chemistry, 2016, 88, 5542-5548.	6.5	23
15	High-Resolution Live-Cell Imaging and Analysis by Laser Desorption/Ionization Droplet Delivery Mass Spectrometry. Analytical Chemistry, 2016, 88, 5453-5461.	6.5	70
16	Acceleration of reaction in charged microdroplets. Quarterly Reviews of Biophysics, 2015, 48, 437-444.	5.7	204
17	Microdroplet fusion mass spectrometry for fast reaction kinetics. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3898-3903.	7.1	197
18	High Resolution Mass Spectrometric Imaging for Single Cell Metabolic Analysis. Biophysical Journal, 2014, 106, 798a.	0.5	0

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#	Article	IF	CITATIONS
19	Photo-Activated Crosslinking Mass Spectrometry for Studying Biomolecular Interactions. Biophysical Journal, 2014, 106, 459a.	0.5	1
20	Ca2+ Dynamics in Apoptosis: Real-Time Data and Mathematical Modeling. Biophysical Journal, 2012, 102, 628a.	0.5	0
21	Real-Time Dynamics of Ca2+, Caspase-3/7, and Morphological Changes in Retinal Ganglion Cell Apoptosis under Elevated Pressure. PLoS ONE, 2010, 5, e13437.	2.5	21
22	Surface modification of polydimethylsiloxane (PDMS) induced proliferation and neural-like cells differentiation of umbilical cord blood-derived mesenchymal stem cells. Journal of Materials Science: Materials in Medicine, 2008, 19, 2953-2962.	3.6	55
23	Neural prosthesis in the wake of nanotechnology: controlled growth of neurons using surface nanostructures. , 2006, 99, 141-144.		4
24	Spatial Patterning of Fibroblast Cells with Fabricating Holographic Patterning on the Photoresponsive Polymer. , 2005, 2005, 4107-10.		0
25	Photo-Triggering of the Membrane Gates in Photo-Responsive Polymer for Drug Release. , 2005, 2005, 5069-72.		0
26	The topographical guidance of neurons cultured on holographic photo-responsive polymer. , 2004, 2004, 4970-3.		0