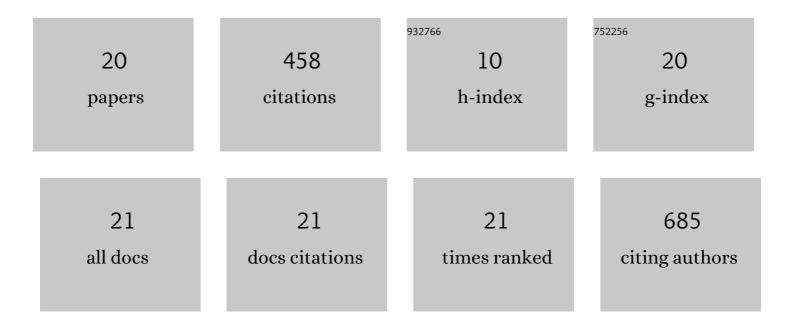
## Sun Choi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6349010/publications.pdf Version: 2024-02-01



SUN CHOL

#	Article	IF	CITATIONS
1	Coffee-Ring Effect-Based Three Dimensional Patterning of Micro/Nanoparticle Assembly with a Single Droplet. Langmuir, 2010, 26, 11690-11698.	1.6	131
2	Liquid Cell Electron Microscopy of Nanoparticle Self-Assembly Driven by Solvent Drying. Journal of Physical Chemistry Letters, 2017, 8, 647-654.	2.1	41
3	Fast, High-Throughput Creation of Size-Tunable Micro/Nanoparticle Clusters via Evaporative Self-Assembly in Picoliter-Scale Droplets of Particle Suspension. Langmuir, 2012, 28, 3102-3111.	1.6	40
4	Ultrafast Self-Assembly of Microscale Particles by Open-Channel Flow. Langmuir, 2010, 26, 4661-4667.	1.6	38
5	Performance of small spark ignition engine fueled with biogas at different compression ratio and various carbon dioxide dilution. Fuel, 2017, 196, 217-224.	3.4	38
6	Quantitative studies of long-term stable, top-down fabricated silicon nanowire pH sensors. Applied Physics A: Materials Science and Processing, 2012, 107, 421-428.	1.1	31
7	Facile one-pot synthesis of tungsten oxide (WO3â~'x) nanoparticles using sub and supercritical fluids. Journal of Supercritical Fluids, 2016, 111, 8-13.	1.6	20
8	An analysis of evaporative self-assembly of micro particles in printed picoliter suspension droplets. Thin Solid Films, 2013, 537, 180-189.	0.8	19
9	Directâ€Printing of Functional Nanofibers on 3D Surfaces Using Selfâ€Aligning Nanojet in Nearâ€Field Electrospinning. Advanced Materials Technologies, 2020, 5, 2000232.	3.0	18
10	High resolution patterning of nanoparticles by evaporative self-assembly enabled by in situ creation and mechanical lift-off of a polymer template. Applied Physics Letters, 2011, 99, 253102.	1.5	13
11	Graphene Oxide–Chitosan Network on a Dialysis Cellulose Membrane for Efficient Removal of Organic Dyes. ACS Applied Bio Materials, 2022, 5, 2795-2811.	2.3	12
12	A 3D-printed metal column for micro gas chromatography. Lab on A Chip, 2020, 20, 3435-3444.	3.1	11
13	Analytic solution to predict the outlet air states of a desiccant wheel with an arbitrary split ratio. Energy, 2018, 153, 301-310.	4.5	10
14	Protein Mixture Segregation at Coffee-Ring: Real-Time Imaging of Protein Ring Precipitation by FTIR Spectromicroscopy. Journal of Physical Chemistry B, 2017, 121, 7359-7365.	1.2	8
15	Droplet-jet mode near-field electrospinning for controlled helix patterns with sub-10 <i>µ</i> m coiling diameter. Journal of Micromechanics and Microengineering, 2019, 29, 045004.	1.5	8
16	Nanoscale Fiber Deposition via Surface Charge Migration at Air-to-Polymer Liquid Interface in Near-Field Electrospinning. ACS Applied Polymer Materials, 2020, 2, 2761-2768.	2.0	8
17	Suspended graphene sensor with controllable width and electrical tunability via direct-write functional fibers. Journal of Manufacturing Processes, 2020, 58, 458-465.	2.8	7
18	Synthesis of Micro-encapsulated Phase Change Materials Using Chain Transfer Agent via Emulsion Polymerization and Their Chemical, Optical, and Thermal Characterization. Jom, 2019, 71, 4562-4568.	0.9	3

#	Article	IF	CITATIONS
19	3D Printed Injection Molding for Prototyping Batch Fabrication of Macroscale Graphene/Paraffin Spheres for Thermal Energy Management. Jom, 2019, 71, 4569-4577.	0.9	1
20	Understanding Uniform, Fast, and Scalable Buoyancy-Driven Macro-Sized Drop Generations. Langmuir, 2019, 35, 990-999.	1.6	1