

# Chengmin Chen

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Experimental and <scp>CFD</scp> study of sodium alginate droplets impacting onto immiscible deep liquid surface. Canadian Journal of Chemical Engineering, 2022, 100, .	1.7	1
2	Microfluidic Applications in Drug Development: Fabrication of Drug Carriers and Drug Toxicity Screening. Micromachines, 2022, 13, 200.	2.9	8
3	A perovskite/porous GaN crystal hybrid structure for ultrahigh sensitivity ultraviolet photodetectors. Journal of Materials Chemistry C, 2022, 10, 8321-8328.	5.5	14
4	Nonspecular Reflection of Droplets. Small, 2021, 17, 2006695.	10.0	14
5	Droplet Manipulations: Nonspecular Reflection of Droplets (Small 3/2021). Small, 2021, 17, 2170009.	10.0	1
6	Ultrawide-bandgap semiconductor AlN crystals: growth and applications. Journal of Materials Chemistry C, 2021, 9, 1852-1873.	5.5	49
7	Influence of Different Heater Structures on the Temperature Field of AlN Crystal Growth by Resistance Heating. Materials, 2021, 14, 7441.	2.9	1
8	Numerical Simulation Study on the Front Shape and Thermal Stresses in Growing Multicrystalline Silicon Ingot: Process and Structural Design. Crystals, 2020, 10, 1053.	2.2	4
9	Microfluidic Technology for the Production of Well-Ordered Porous Polymer Scaffolds. Polymers, 2020, 12, 1863.	4.5	14
10	Growth and Stress Analysis of Spontaneous Nucleation <i>c</i>-Plane Bulk AlN Crystals by a PVT Method. Crystal Research and Technology, 2020, 55, 2000118.	1.3	8
11	Perovskite CsPbBr <sub>3</sub> crystals: growth and applications. Journal of Materials Chemistry C, 2020, 8, 6326-6341.	5.5	87
12	Microfluidic Rapid Fabrication of Tunable Polyvinyl Alcohol Microspheres for Adsorption Applications. Materials, 2019, 12, 3712.	2.9	4
13	Effect of Temperature Gradient on AlN Crystal Growth by Physical Vapor Transport Method. Crystal Growth and Design, 2019, 19, 6736-6742.	3.0	16
14	Engineering a Bi-Conical Microchip as Vascular Stenosis Model. Micromachines, 2019, 10, 790.	2.9	0
15	Numerical Simulation of Temperature Fields in a Three-Dimensional SiC Crystal Growth Furnace with Axisymmetric and Spiral Coils. Applied Sciences (Switzerland), 2018, 8, 705.	2.5	9
16	On-Chip Facile Preparation of Monodisperse Resorcinol Formaldehyde (RF) Resin Microspheres. Micromachines, 2018, 9, 24.	2.9	2
17	Passive Mixing inside Microdroplets. Micromachines, 2018, 9, 160.	2.9	42