Kang Rae Cho

List of Publications by Year
in descending order

14	971	1040056 9	1058476 14
papers	citations	h-index	g-index

14	14	14	1973
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Calcium carbonate nucleation driven by ion binding in a biomimetic matrix revealed by in situ electron microscopy. Nature Materials, 2015, 14, 394-399.	27.5	353
2	Stochastic transport through carbon nanotubes in lipid bilayers and live cell membranes. Nature, 2014, 514, 612-615.	27.8	350
3	Direct observation of mineralâ€“organic composite formation reveals occlusion mechanism. Nature Communications, 2016, 7, 10187.	12.8	110
4	Structure and Properties of Nanocomposites Formed by the Occlusion of Block Copolymer Worms and Vesicles Within Calcite Crystals. Advanced Functional Materials, 2016, 26, 1382-1392.	14.9	63
5	Impact of Chiral Molecules on the Formation of Biominerals: A Calcium Oxalate Monohydrate Example. Crystal Growth and Design, 2012, 12, 5939-5947.	3.0	21
6	Oriented Calcite Micropillars and Prisms Formed through Aggregation and Recrystallization of Poly(Acrylic Acid) Stabilized Nanoparticles. Crystal Growth and Design, 2013, 13, 3856-3863.	3.0	16
7	Effect of Enhanced Thermal Stability of Alumina Support Layer on Growth of Vertically Aligned Single-Walled Carbon Nanotubes and Their Application in Nanofiltration Membranes. Nanoscale Research Letters, 2018, 13, 173.	5.7	13
8	A Mesocrystalâ€Like Morphology Formed by Classical Polymerâ€Mediated Crystal Growth. Advanced Functional Materials, 2017, 27, 1701658.	14.9	12
9	Amelogenin Processing by MMP-20 Prevents Protein Occlusion Inside Calcite Crystals. Crystal Growth and Design, 2012, 12, 4897-4905.	3.0	11
10	The effects of different types of additives on growth of biomineral phases investigated by in situ atomic force microscopy. Journal of Crystal Growth, 2019, 509, 8-16.	1.5	7
11	Investigation of the AgCl Formation Mechanism on the Ag Wire Surface for the Fabrication of a Marine Low-Frequency-Electric-Field-Detection Ag/AgCl Sensor Electrode. ACS Omega, 2022, 7, 25110-25121.	3.5	6
12	Mechanistic Pathways for the Molecular Step Growth of Calcium Oxalate Monohydrate Crystal Revealed by In Situ Liquid-Phase Atomic Force Microscopy. ACS Applied Materials & Interfaces, 2021, 13, 37873-37882.	8.0	5
13	Flexible Magnetic Polymer Composite Substrate with Ba1.5Sr1.5Z Hexaferrite Particles of VHF/Low UHF Patch Antennas for UAVs and Medical Implant Devices. Materials, 2020, 13, 1021.	2.9	3
14	An Investigation on the Feasibility of Fabricating Composites Using Outdated Waste Carbon Fibers and Easily Disposable Polyolefin Resins. Polymers, 2021, 13, 2938.	4.5	1