

Michael Agthe

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

566
citations

840776

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1199594

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12
times ranked

1035
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal Evolution of Superlattice Contraction and Defect-Induced Strain Anisotropy in Mesocrystals during Nanocube Self-Assembly. ACS Nano, 2020, 14, 5337-5347.	14.6	32
2	Liquid application method for time-resolved analyses by serial synchrotron crystallography. Nature Methods, 2019, 16, 979-982.	19.0	74
3	Nanoscale Assembly of Cellulose Nanocrystals during Drying and Redispersion. ACS Macro Letters, 2018, 7, 172-177.	4.8	35
4	Time-resolved viscoelastic properties of self-assembling iron oxide nanocube superlattices probed by quartz crystal microbalance with dissipation monitoring. Journal of Colloid and Interface Science, 2018, 522, 104-110.	9.4	8
5	Inducing nematic ordering of cellulose nanofibers using osmotic dehydration. Nanoscale, 2018, 10, 23157-23163.	5.6	13
6	Assembly of cellulose nanocrystals in a levitating drop probed by time-resolved small angle X-ray scattering. Nanoscale, 2018, 10, 18113-18118.	5.6	23
7	Following the Assembly of Iron Oxide Nanocubes by Video Microscopy and Quartz Crystal Microbalance with Dissipation Monitoring. Langmuir, 2017, 33, 303-310.	3.5	13
8	Following in Real Time the Two-Step Assembly of Nanoparticles into Mesocrystals in Levitating Drops. Nano Letters, 2016, 16, 6838-6843.	9.1	60
9	Rod Packing in Chiral Nematic Cellulose Nanocrystal Dispersions Studied by Small-Angle X-ray Scattering and Laser Diffraction. Langmuir, 2015, 31, 6507-6513.	3.5	177
10	Controlling Orientational and Translational Order of Iron Oxide Nanocubes by Assembly in Nanofluidic Containers. Langmuir, 2015, 31, 12537-12543.	3.5	14
11	Precise control over shape and size of iron oxide nanocrystals suitable for assembly into ordered particle arrays. Science and Technology of Advanced Materials, 2014, 15, 055010.	6.1	90
12	Dynamic growth modes of ordered arrays and mesocrystals during drop-casting of iron oxide nanocubes. CrystEngComm, 2014, 16, 1443-1450.	2.6	27