

Michael GrÃ¼nwald

List of Publications by Year in descending order

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13
papers

1,141
citations

840776

11
h-index

1125743

13
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18
all docs

18
docs citations

18
times ranked

2192
citing authors

#	ARTICLE	IF	CITATIONS
1	Pre-Nucleation Clusters Predict Crystal Structures in Models of Chiral Molecules. Journal of the American Chemical Society, 2021, 143, 21580-21593.	13.7	12
2	Heterogeneous Interactions Promote Crystallization and Spontaneous Resolution of Chiral Molecules. Journal of the American Chemical Society, 2020, 142, 10755-10768.	13.7	18
3	Controlling Nanoparticle Orientations in the Self-Assembly of Patchy Quantum Dot-Gold Heterostructural Nanocrystals. Journal of the American Chemical Society, 2019, 141, 6013-6021.	13.7	49
4	Responsive Nanoporous Membranes with Size Selectivity and Charge Rejection from Self-Assembly of Polyelectrolyte "Hairy" Nanoparticles. ACS Applied Materials & Interfaces, 2019, 11, 3407-3416.	8.0	14
5	Orientalional Order in Self-Assembled Nanocrystal Superlattices. Journal of the American Chemical Society, 2019, 141, 1980-1988.	13.7	52
6	Microscopic Origins of Poor Crystallinity in the Synthesis of Covalent Organic Framework COF-5. Journal of the American Chemical Society, 2018, 140, 3306-3311.	13.7	96
7	Ab initio phase diagram of PbSe crystals calculated with the random phase approximation. Physical Review B, 2018, 98, .	3.2	2
8	Self-Assembly of Quantum Dot "Gold Heterodimer Nanocrystals with Orientalional Order. Nano Letters, 2018, 18, 5049-5056.	9.1	25
9	Role of stacking disorder in ice nucleation. Nature, 2017, 551, 218-222.	27.8	186
10	Exploiting non-equilibrium phase separation for self-assembly. Soft Matter, 2016, 12, 1517-1524.	2.7	26
11	Patterns without Patches: Hierarchical Self-Assembly of Complex Structures from Simple Building Blocks. ACS Nano, 2014, 8, 5891-5897.	14.6	56
12	Self-assembly of uniform polyhedral silver nanocrystals into densest packings and exotic superlattices. Nature Materials, 2012, 11, 131-137.	27.5	539
13	An efficient transition path sampling algorithm for nanoparticles under pressure. Journal of Chemical Physics, 2007, 127, 154718.	3.0	26