Michael GrÃ¼nwald

List of Publications by Year
in descending order

13	1,141	840776 11	1125743 13
papers	citations	h-index	g-index

18	18	18	2192
all docs	docs citations	times ranked	citing authors

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