

# Weikai Qi

## List of Publications by Year in descending order

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19  
papers

469  
citations

759233

12  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

680  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-stage melting induced by dislocations and grain boundaries in monolayers of hard spheres. <i>Soft Matter</i> , 2014, 10, 5449.	2.7	87
2	Ordered Two-Dimensional Superstructures of Colloidal Octapod-Shaped Nanocrystals on Flat Substrates. <i>Nano Letters</i> , 2012, 12, 5299-5303.	9.1	55
3	Melting in two-dimensional Yukawa systems: A Brownian dynamics simulation. <i>Journal of Chemical Physics</i> , 2010, 133, 234508.	3.0	51
4	Nonclassical Nucleation in a Solid-Solid Transition of Confined Hard Spheres. <i>Physical Review Letters</i> , 2015, 115, 185701.	7.8	48
5	Electron Tomography Resolves a Novel Crystal Structure in a Binary Nanocrystal Superlattice. <i>Nano Letters</i> , 2013, 13, 1312-1316.	9.1	41
6	A novel chiral phase of achiral hard triangles and an entropy-driven demixing of enantiomers. <i>Soft Matter</i> , 2015, 11, 8684-8691.	2.7	31
7	Destabilisation of the hexatic phase in systems of hard disks by quenched disorder due to pinning on a lattice. <i>Soft Matter</i> , 2015, 11, 2852-2856.	2.7	30
8	Highly cooperative stress relaxation in two-dimensional soft colloidal crystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 15356-15361.	7.1	25
9	Coexistence of hexatic and isotropic phases in two-dimensional Yukawa systems. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 245102.	1.8	20
10	Phase diagram of octapod-shaped nanocrystals in a quasi-two-dimensional planar geometry. <i>Journal of Chemical Physics</i> , 2013, 138, 154504.	3.0	16
11	Dynamical heterogeneities and defects in two-dimensional soft colloidal crystals. <i>Soft Matter</i> , 2015, 11, 9385-9392.	2.7	16
12	Two features at the two-dimensional freezing transitions. <i>Journal of Chemical Physics</i> , 2011, 134, 034506.	3.0	14
13	Molecular Simulation of Chemical Reaction Equilibrium by Computationally Efficient Free Energy Minimization. <i>ACS Central Science</i> , 2018, 4, 1185-1193.	11.3	10
14	A modified Gay-Berne model for liquid crystal molecular dynamics simulation. <i>Polymer</i> , 2012, 53, 634-639.	3.8	9
15	Modeling the influence of effective oil volume fraction and droplet repulsive interaction on nanoemulsion gelation. <i>Journal of Food Engineering</i> , 2019, 249, 25-33.	5.2	8
16	Vapor Condensed and Supercooled Glassy Nanoclusters. <i>ACS Nano</i> , 2016, 10, 3416-3423.	14.6	3
17	Sensitivity, Specificity and Accuracy of a Novel EEG-Based Objective Test, the Cognalyzer <sup>®</sup> , in Detecting Cannabis Psychoactive Effects. <i>Advances in Therapy</i> , 2021, 38, 2513-2531.	2.9	3
18	Glass forming phase diagram and local structure of Kob-Andersen binary Lennard-Jones nanoparticles. <i>Journal of Chemical Physics</i> , 2018, 149, 094502.	3.0	2

#	ARTICLE	IF	CITATIONS
19	Evolution of topological defects in two-dimensional quenched colloidal systems. European Physical Journal E, 2013, 36, 126.	1.6	0