

# Keiko M Aoki

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5620312/publications.pdf>

Version: 2024-02-01

41  
papers

504  
citations

759233

12  
h-index

677142

22  
g-index

41  
all docs

41  
docs citations

41  
times ranked

229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bifurcations, Elastic Instability, and Reentrant in Smectic Liquid Crystals. Journal of the Physical Society of Japan, 2022, 91, .	1.6	1
2	Molecular Dynamics in the Light of Non-equilibrium Thermodynamics. Journal of the Physical Society of Japan, 2022, 91, .	1.6	2
3	Dynamics and Elastic Properties of Glassy Metastable States. Solids, 2021, 2, 249-264.	2.4	2
4	History-dependent structure in granular piles. , 2020, , 499-502.		0
5	Anisotropy in condensed matter " liquid crystals, glass, and phase coexistence. Journal of Physics: Conference Series, 2019, 1252, 012004.	0.4	4
6	Structural transformation of smectic liquid crystals under surface tension. Molecular Crystals and Liquid Crystals, 2017, 647, 92-99.	0.9	3
7	Origin of Hopping Dynamics in Hexatic Smectic B and Smectic A Liquid Crystals. Molecular Crystals and Liquid Crystals, 2015, 612, 72-80.	0.9	5
8	Fluctuations in Systems of Hexatic Smectic B Liquid Crystals. Molecular Crystals and Liquid Crystals, 2015, 612, 64-71.	0.9	6
9	Entropy and Heat Capacity Calculations by Thermodynamic Approach. , 2014, , .		2
10	Network Analysis of Free Energy Landscape of Metastable States of Hexatic Smectic B Liquid Crystal. Journal of the Physical Society of Japan, 2014, 83, 104603.	1.6	7
11	One-, Two-, and Three-Dimensional Hopping Dynamics. Crystals, 2013, 3, 315-332.	2.2	11
12	Order Parameter Discretization in Metastable States of Hexatic Smectic B Liquid Crystal. Journal of the Physical Society of Japan, 2011, 80, 124603.	1.6	12
13	Correlated anomalous diffusion: Random walk and Langevin equation. Journal of Mathematical Physics, 2010, 51, 033302.	1.1	1
14	Entropy and heat capacity calculations of simulated crystal"hexatic smectic-B"smectic-Aliquid-crystal phase transitions. Physical Review E, 2010, 81, 021701.	2.1	17
15	Symplectic Integrators Designed for Simulating Soft Matter. Journal of the Physical Society of Japan, 2008, 77, 044003.	1.6	18
16	Constant surface-tension molecular-dynamics simulation methods for anisotropic systems. Journal of Chemical Physics, 2006, 124, 064705.	3.0	14
17	MOLECULAR DYNAMICS SIMULATIONS OF SMECTIC C PHASE APPEARING IN LANGMUIR MONOLAYERS. Molecular Crystals and Liquid Crystals, 2004, 413, 151-159.	0.9	2
18	MOLECULAR DYNAMICS SIMULATIONS OF LIQUID CRYSTAL MOLECULES AT AN AIR-WATER INTERFACE. Molecular Crystals and Liquid Crystals, 2004, 413, 161-169.	0.9	5

#	ARTICLE	IF	CITATIONS
19	Molecular dynamic simulation methods for anisotropic liquids. Journal of Chemical Physics, 2004, 120, 5576-5584.	3.0	15
20	INTERACTION BETWEEN SPHERICAL PARTICLES IN A DEFORMED LIQUID CRYSTAL. Molecular Crystals and Liquid Crystals, 2004, 413, 211-220.	0.9	1
21	Extended methods of molecular dynamic simulations under hydrostatic pressure and/or isostress. Journal of Chemical Physics, 2003, 118, 9926-9936.	3.0	13
22	Interaction of particles in a deformed nematic liquid crystal. Physical Review E, 2002, 66, 051711.	2.1	26
23	Can Hydrophobic Oils Spread on Water as Condensed Langmuir Monolayers?. Journal of Physical Chemistry B, 2002, 106, 12089-12092.	2.6	17
24	SIMULATION STUDIES OF CRYSTAL-SMECTIC TRANSITION. Molecular Crystals and Liquid Crystals, 2001, 366, 117-124.	0.3	8
25	A surface instability of granules under vibration in partitioned containers. Granular Matter, 2001, 3, 177-183.	2.2	10
26	Nonlinear Phenomena. Bistability of Surface Levels in Two Dimensional Vibrating Particle Beds with Two Partitions.. Kagaku Kogaku Ronbunshu, 1999, 25, 520-524.	0.3	0
27	Nonlinear Phenomena. Transitions in Convective Roll Patterns in Vibrated Particle Beds.. Kagaku Kogaku Ronbunshu, 1999, 25, 585-587.	0.3	2
28	Control parameter in granular convection. Physical Review E, 1998, 58, 4629-4637.	2.1	9
29	Convection Roll Patterns for Fluidized Granules. Progress of Theoretical Physics Supplement, 1998, 130, 45-55.	0.1	1
30	Aoki and Akiyama Reply:. Physical Review Letters, 1997, 79, 4714-4714.	7.8	5
31	Convective roll patterns in vertically vibrated beds of granules. Physical Review E, 1996, 54, 874-883.	2.1	107
32	Spontaneous Wave Pattern Formation in Vibrated Granular Materials. Physical Review Letters, 1996, 77, 4166-4169.	7.8	78
33	A fractal property of vertically vibrated beds of granules. Chemical Engineering Science, 1996, 51, 3551-3553.	3.8	11
34	Effect of size polydispersity on granular materials. Physical Review E, 1996, 54, 1990-1996.	2.1	6
35	Investigations of Nematic-Isotropic Transition by Means of Constant Pressure Molecular Dynamics Simulations. Molecular Simulation, 1996, 16, 99-105.	2.0	10
36	Simulation studies of pressure and density wave propagations in vertically vibrated beds of granules. Physical Review E, 1995, 52, 3288-3291.	2.1	35

#	ARTICLE	IF	CITATIONS
37	Investigation of Liquid Crystalline Phases by Means of Constant-Pressure Molecular-Dynamics Simulation. <i>Molecular Crystals and Liquid Crystals</i> , 1995, 262, 543-553.	0.3	15
38	Constant pressure molecular dynamics simulations of the crystal-smectic transition in systems of anisotropic soft-core molecules as a model for liquid crystals. <i>Journal of Non-Crystalline Solids</i> , 1993, 156-158, 986-990.	3.1	0
39	Constant pressure molecular dynamics simulations of the crystal-smectic transition in systems of soft parallel spherocylinders as a model for liquid crystals. <i>Liquid Crystals</i> , 1993, 14, 1237-1242.	2.2	3
40	Scaling properties of soft-core parallel spherocylinders near the crystal-smectic-phase transition. <i>Physical Review E</i> , 1993, 48, 2025-2027.	2.1	7
41	Molecular dynamics studies of smectic liquid crystals of soft parallel spherocylinders with sixfold bond orientational order. <i>Physical Review Letters</i> , 1992, 69, 2780-2782.	7.8	13