

Martin Girard

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

548
citations

759233

12
h-index

839539

18
g-index

23
all docs

23
docs citations

23
times ranked

818
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle analogs of electrons in colloidal crystals. <i>Science</i> , 2019, 364, 1174-1178.	12.6	91
2	Programming Colloidal Crystal Habit with Anisotropic Nanoparticle Building Blocks and DNA Bonds. <i>Journal of the American Chemical Society</i> , 2016, 138, 14562-14565.	13.7	73
3	3D Printed Hollow-Core Terahertz Optical Waveguides with Hyperuniform Disordered Dielectric Reflectors. <i>Advanced Optical Materials</i> , 2016, 4, 2085-2094.	7.3	65
4	Exploring the zone of anisotropy and broken symmetries in DNA-mediated nanoparticle crystallization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10485-10490.	7.1	61
5	Strong attractions and repulsions mediated by monovalent salts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11838-11843.	7.1	54
6	Non-equilibrium anisotropic colloidal single crystal growth with DNA. <i>Nature Communications</i> , 2018, 9, 4558.	12.8	37
7	Altering DNA-Programmable Colloidal Crystallization Paths by Modulating Particle Repulsion. <i>Nano Letters</i> , 2017, 17, 5126-5132.	9.1	36
8	Role of Chain Flexibility in Asymmetric Polyelectrolyte Complexation in Salt Solutions. <i>Macromolecules</i> , 2020, 53, 1258-1269.	4.8	25
9	The Importance of Salt-Enhanced Electrostatic Repulsion in Colloidal Crystal Engineering with DNA. <i>ACS Central Science</i> , 2019, 5, 186-191.	11.3	24
10	Hoobas: A highly object-oriented builder for molecular dynamics. <i>Computational Materials Science</i> , 2019, 167, 25-33.	3.0	20
11	DNA-Driven Assembly: From Polyhedral Nanoparticles to Proteins. <i>Annual Review of Materials Research</i> , 2017, 47, 33-49.	9.3	17
12	Controlled Symmetry Breaking in Colloidal Crystal Engineering with DNA. <i>ACS Nano</i> , 2019, 13, 1412-1420.	14.6	16
13	Regulating Lipid Composition Rationalizes Acyl Tail Saturation Homeostasis in Ectotherms. <i>Biophysical Journal</i> , 2020, 119, 892-899.	0.5	10
14	Integrated terahertz multiparameter sensors using fiber/frequency selective surface couplers. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 094007.	2.2	4
15	Orbitals for classical arbitrary anisotropic colloidal potentials. <i>Physical Review E</i> , 2017, 96, 053309.	2.1	3
16	Finite-size transitions in complex membranes. <i>Biophysical Journal</i> , 2021, 120, 2436-2443.	0.5	3
17	Probing terahertz metamaterials with subwavelength optical fibers. <i>Optics Express</i> , 2013, 21, 17195.	3.4	1
18	Computer simulations of lipid regulation by molecular semigrand canonical ensembles. <i>Biophysical Journal</i> , 2021, 120, 2370-2373.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Probing terahertz frequency selective surfaces with subwavelength optical fibers. , 2013, , .		0