

Gerhard Gruebel

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6527220/publications.pdf>

Version: 2024-02-01

24
papers

806
citations

567281

15
h-index

642732

23
g-index

24
all docs

24
docs citations

24
times ranked

1075
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray cross correlation analysis uncovers hidden local symmetries in disordered matter. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11511-11514.	7.1	207
2	Single Shot Coherence Properties of the Free-Electron Laser SACLA in the Hard X-ray Regime. Scientific Reports, 2014, 4, 5234.	3.3	69
3	Microstructure and Dynamics near an Attractive Colloidal Glass Transition. Physical Review Letters, 2003, 90, 188301.	7.8	59
4	X-Ray Photon Correlation Spectroscopy (XPCS). , 2008, , 953-995.		56
5	Microfocusing transfocator for 1D and 2D compound refractive lenses. Optics Express, 2012, 20, 18967.	3.4	54
6	Correlated heterogeneous dynamics in glass-forming polymers. Physical Review E, 2015, 91, 042309.	2.1	39
7	From Femtoseconds to Hours – Measuring Dynamics over 18 Orders of Magnitude with Coherent X-rays. Applied Sciences (Switzerland), 2021, 11, 6179.	2.5	36
8	Detecting orientational order in model systems by X-ray cross-correlation methods. Journal of Applied Crystallography, 2014, 47, 1315-1323.	4.5	31
9	Ligand Layer Engineering To Control Stability and Interfacial Properties of Nanoparticles. Langmuir, 2016, 32, 7897-7907.	3.5	31
10	Monitoring Nanocrystal Self-Assembly in Real Time Using In Situ Small-Angle X-Ray Scattering. Small, 2019, 15, e1900438.	10.0	30
11	Microscopic pathways for stress relaxation in repulsive colloidal glasses. Science Advances, 2020, 6, eaz2982.	10.3	21
12	Tuning the Interaction of Nanoparticles from Repulsive to Attractive by Pressure. Journal of Physical Chemistry C, 2016, 120, 19856-19861.	3.1	19
13	Anisotropic and heterogeneous dynamics in an aging colloidal gel. Soft Matter, 2020, 16, 2864-2872.	2.7	19
14	Anomalous Dynamics of Concentrated Silica-PNIPAm Nanogels. Journal of Physical Chemistry Letters, 2019, 10, 5231-5236.	4.6	18
15	Structure beyond pair correlations: X-ray cross-correlation from colloidal crystals. Journal of Applied Crystallography, 2016, 49, 2046-2052.	4.5	18
16	Structure and Stability of PEG- and Mixed PEG-Layer-Coated Nanoparticles at High Particle Concentrations Studied In Situ by Small-Angle X-Ray Scattering. Particle and Particle Systems Characterization, 2018, 35, 1700319.	2.3	17
17	Nano-beam X-ray microscopy of dried colloidal films. Soft Matter, 2015, 11, 5465-5472.	2.7	16
18	Coexistence of hcp and bct Phases during In Situ Superlattice Assembly from Faceted Colloidal Nanocrystals. Journal of Physical Chemistry Letters, 2019, 10, 6331-6338.	4.6	15

#	ARTICLE	IF	CITATIONS
19	Heterogeneous local order in self-assembled nanoparticle films revealed by X-ray cross-correlations. IUCr, 2018, 5, 354-360.	2.2	14
20	Slowing down of dynamics and orientational order preceding crystallization in hard-sphere systems. Science Advances, 2020, 6, .	10.3	10
21	A liquid jet setup for x-ray scattering experiments on complex liquids at free-electron laser sources. Review of Scientific Instruments, 2016, 87, 063905.	1.3	9
22	Microsecond Structural Rheology. Journal of Physical Chemistry Letters, 2017, 8, 3581-3585.	4.6	8
23	Shear-induced ordering in liquid microjets seen by x-ray cross correlation analysis. Structural Dynamics, 2020, 7, 054901.	2.3	5
24	Glass-liquid and glass-gel transitions of soft-shell particles. Physical Review E, 2021, 104, L012602.	2.1	5