

# Gerhard Gruebel

## List of Publications by Year in descending order

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24  
papers

806  
citations

567281

15  
h-index

642732

23  
g-index

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all docs

24  
docs citations

24  
times ranked

1075  
citing authors

#	ARTICLE	IF	CITATIONS
1	From Femtoseconds to Hours – Measuring Dynamics over 18 Orders of Magnitude with Coherent X-rays. Applied Sciences (Switzerland), 2021, 11, 6179.	2.5	36
2	Glass-liquid and glass-gel transitions of soft-shell particles. Physical Review E, 2021, 104, L012602.	2.1	5
3	Shear-induced ordering in liquid microjets seen by x-ray cross correlation analysis. Structural Dynamics, 2020, 7, 054901.	2.3	5
4	Slowing down of dynamics and orientational order preceding crystallization in hard-sphere systems. Science Advances, 2020, 6, .	10.3	10
5	Microscopic pathways for stress relaxation in repulsive colloidal glasses. Science Advances, 2020, 6, eaaz2982.	10.3	21
6	Anisotropic and heterogeneous dynamics in an aging colloidal gel. Soft Matter, 2020, 16, 2864-2872.	2.7	19
7	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
8	Anomalous Dynamics of Concentrated Silica-PNIPAm Nanogels. Journal of Physical Chemistry Letters, 2019, 10, 5231-5236.	4.6	18
9	Monitoring Nanocrystal Self-Assembly in Real Time Using In Situ Small-Angle X-Ray Scattering. Small, 2019, 15, e1900438.	10.0	30
10	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
11	Heterogeneous local order in self-assembled nanoparticle films revealed by X-ray cross-correlations. IUCr, 2018, 5, 354-360.	2.2	14
12	Microsecond Structural Rheology. Journal of Physical Chemistry Letters, 2017, 8, 3581-3585.	4.6	8
13	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
14	Tuning the Interaction of Nanoparticles from Repulsive to Attractive by Pressure. Journal of Physical Chemistry C, 2016, 120, 19856-19861.	3.1	19
15	Ligand Layer Engineering To Control Stability and Interfacial Properties of Nanoparticles. Langmuir, 2016, 32, 7897-7907.	3.5	31
16	Structure beyond pair correlations: X-ray cross-correlation from colloidal crystals. Journal of Applied Crystallography, 2016, 49, 2046-2052.	4.5	18
17	Nano-beam X-ray microscopy of dried colloidal films. Soft Matter, 2015, 11, 5465-5472.	2.7	16
18	Correlated heterogeneous dynamics in glass-forming polymers. Physical Review E, 2015, 91, 042309.	2.1	39

#	ARTICLE	IF	CITATIONS
19	Single Shot Coherence Properties of the Free-Electron Laser SACLA in the Hard X-ray Regime. Scientific Reports, 2014, 4, 5234.	3.3	69
20	Detecting orientational order in model systems by X-ray cross-correlation methods. Journal of Applied Crystallography, 2014, 47, 1315-1323.	4.5	31
21	Microfocusing transfocator for 1D and 2D compound refractive lenses. Optics Express, 2012, 20, 18967.	3.4	54
22	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
23	X-Ray Photon Correlation Spectroscopy (XPCS). , 2008, , 953-995.		56
24	Microstructure and Dynamics near an Attractive Colloidal Glass Transition. Physical Review Letters, 2003, 90, 188301.	7.8	59