

Tim Snow

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

436
citations

933447

10
h-index

839539

18
g-index

22
all docs

22
docs citations

22
times ranked

685
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating the Fibrillar Ultrastructure and Mechanics in Keloid Scars Using In Situ Synchrotron X-ray Nanomechanical Imaging. <i>Materials</i> , 2022, 15, 1836.	2.9	1
2	Tomographic X-ray scattering based on invariant reconstruction: analysis of the 3D nanostructure of bovine bone. <i>Journal of Applied Crystallography</i> , 2021, 54, 486-497.	4.5	4
3	I22: SAXS/WAXS beamline at Diamond Light Source – an overview of 10 years operation. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 939-947.	2.4	42
4	Extending synchrotron SAXS instrument ranges through addition of a portable, inexpensive USAXS module with vertical rotation axes. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 824-833.	2.4	6
5	FitBenchmarking: an open source Python package comparing data fitting software. <i>Journal of Open Source Software</i> , 2021, 6, 3127.	4.6	1
6	Structural changes in lipid mesophases due to intercalation of dendritic polymer nanoparticles: Swollen lamellae, suppressed curvature, and augmented structural disorder. <i>Acta Biomaterialia</i> , 2020, 104, 198-209.	8.3	8
7	Pluronic F127 thermosensitive injectable smart hydrogels for controlled drug delivery system development. <i>Journal of Colloid and Interface Science</i> , 2020, 565, 119-130.	9.4	152
8	Synergy, competition, and the “ehanging” polymer layer: Interactions between a neutral amphiphilic “ardigrade”™ comb co-polymer with an anionic surfactant at the air-water interface. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 181-194.	9.4	17
9	A general approach to maximise information density in neutron reflectometry analysis. <i>Machine Learning: Science and Technology</i> , 2020, 1, 035002.	5.0	13
10	uravu: Making Bayesian modelling easy(er). <i>Journal of Open Source Software</i> , 2020, 5, 2214.	4.6	2
11	Amorphous Mg–Fe silicates from microwave-dried sol–gels. <i>Astronomy and Astrophysics</i> , 2019, 624, A136.	5.1	1
12	A guide to high-efficiency chromium (III)-collagen cross-linking: Synchrotron SAXS and DSC study. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 123-129.	7.5	24
13	Nuclear magnetic resonance and small-angle X-ray scattering studies of mixed sodium dodecyl sulfate and N,N-dimethyldodecylamine N-oxide aqueous systems performed at low temperatures. <i>Journal of Colloid and Interface Science</i> , 2019, 535, 1-7.	9.4	12
14	An introduction to classical molecular dynamics simulation for experimental scattering users. <i>Journal of Applied Crystallography</i> , 2019, 52, 665-668.	4.5	3
15	The impact of N,N-dimethyldodecylamine N-oxide (DDAO) concentration on the crystallisation of sodium dodecyl sulfate (SDS) systems and the resulting changes to crystal structure, shape and the kinetics of crystal growth. <i>Journal of Colloid and Interface Science</i> , 2018, 527, 260-266.	9.4	12
16	In Situ Mechanical Behavior of Regenerating Rat Calvaria Bones Under Tensile Load via Synchrotron Diffraction Characterization. , 2018, , .		1
17	The modular small-angle X-ray scattering data correction sequence. <i>Journal of Applied Crystallography</i> , 2017, 50, 1800-1811.	4.5	82
18	Structure of lipid multilayers via drop casting of aqueous liposome dispersions. <i>Soft Matter</i> , 2016, 12, 3877-3887.	2.7	34

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19	Hydrophobic nanoparticles promote lamellar to inverted hexagonal transition in phospholipid mesophases. <i>Soft Matter</i> , 2015, 11, 8789-8800.	2.7	21