

Marianne Liebi

List of Publications by Year in descending order

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47
papers

1,189
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394421

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docs citations

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1742
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Binary Mesocrystals from Anisotropic Nanoparticles. <i>Angewandte Chemie</i> , 2022, 134, e202112461.	2.0	0
2	3D Binary Mesocrystals from Anisotropic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	11
3	In situ Investigations on Gold Nanoparticles Stabilization Mechanisms in Biological Environments Containing HSA. <i>Advanced Functional Materials</i> , 2022, 32, 2110253.	14.9	8
4	Amphiphilic Polymer Co-network: A Versatile Matrix for Tailoring the Photonic Energy Transfer in Wearable Energy Harvesting Devices. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	10
5	Photoresponsive Movement in 3D Printed Cellulose Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16703-16717.	8.0	11
6	Titelbild: Binäre 3D-Mesokristalle aus anisotropen Nanopartikeln (Angew. Chem. 2/2022). <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
7	Fingerprinting soft material nanostructure response to complex flow histories. <i>Physical Review Materials</i> , 2022, 6, .	2.4	6
8	Quantifying the hydroxyapatite orientation near the ossification front in a piglet femoral condyle using X-ray diffraction tensor tomography. <i>Scientific Reports</i> , 2021, 11, 2144.	3.3	7
9	Highly Permeable Fluorinated Polymer Nanocomposites for Plasmonic Hydrogen Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21724-21732.	8.0	17
10	Nanostructure-specific X-ray tomography reveals myelin levels, integrity and axon orientations in mouse and human nervous tissue. <i>Nature Communications</i> , 2021, 12, 2941.	12.8	33
11	3D nanoscale analysis of bone healing around degrading Mg implants evaluated by X-ray scattering tensor tomography. <i>Acta Biomaterialia</i> , 2021, 134, 804-817.	8.3	14
12	Nanostructure and anisotropy of 3D printed lyotropic liquid crystals studied by scattering and birefringence imaging. <i>Additive Manufacturing</i> , 2021, 47, 102289.	3.0	5
13	In Situ Visualization of the Structural Evolution and Alignment of Lyotropic Liquid Crystals in Confined Flow. <i>Small</i> , 2021, 17, e2006229.	10.0	12
14	NanoMAX: the hard X-ray nanoprobe beamline at the MAX IV Laboratory. <i>Journal of Synchrotron Radiation</i> , 2021, 28, 1935-1947.	2.4	31
15	Tough Ordered Mesoporous Elastomeric Biomaterials Formed at Ambient Conditions. <i>ACS Nano</i> , 2020, 14, 241-254.	14.6	8
16	Multiscale Characterization of Embryonic Long Bone Mineralization in Mice. <i>Advanced Science</i> , 2020, 7, 2002524.	11.2	8
17	Bulk-Processed Pd Nanocube-Poly(methyl methacrylate) Nanocomposites as Plasmonic Plastics for Hydrogen Sensing. <i>ACS Applied Nano Materials</i> , 2020, 3, 8438-8445.	5.0	20
18	Mapping the 3D orientation of nanocrystals and nanostructures in human bone: Indications of novel structural features. <i>Science Advances</i> , 2020, 6, eaba4171.	10.3	51

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19	Validation study of small-angle X-ray scattering tensor tomography. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 779-787.	2.4	16
20	Assessing lesion malignancy by scanning small-angle x-ray scattering of breast tissue with microcalcifications. <i>Physics in Medicine and Biology</i> , 2019, 64, 155010.	3.0	4
21	High-speed tensor tomography: iterative reconstruction tensor tomography (IRTT) algorithm. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, 223-238.	0.1	20
22	Fabrication Procedures and Birefringence Measurements for Designing Magnetically Responsive Lanthanide Ion Chelating Phospholipid Assemblies. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	1
23	Bioinspired Structural Hierarchy within Macroscopic Volumes of Synthetic Composites. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800466.	7.6	7
24	Automated Analysis of Spatially Resolved X-ray Scattering and Micro Computed Tomography of Artificial and Natural Enamel Carious Lesions. <i>Journal of Imaging</i> , 2018, 4, 81.	3.0	6
25	Small-angle X-ray scattering tensor tomography: model of the three-dimensional reciprocal-space map, reconstruction algorithm and angular sampling requirements. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, 12-24.	0.1	46
26	Intermicellar Interactions and the Viscoelasticity of Surfactant Solutions: Complementary Use of SANS and SAXS. <i>Langmuir</i> , 2017, 33, 2617-2627.	3.5	21
27	Rapid Acquisition of X-ray Scattering Data from Droplet-Encapsulated Protein Systems. <i>ChemPhysChem</i> , 2017, 18, 1220-1223.	2.1	14
28	Mastering the magnetic susceptibility of magnetically responsive bicelles with 3 ^β -amino-5-cholestene and complexed lanthanide ions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10820-10824.	2.8	6
29	Time-Resolved X-Ray Solution Scattering Reveals the Structural Photoactivation of a Light-Oxygen-Voltage Photoreceptor. <i>Structure</i> , 2017, 25, 933-938.e3.	3.3	34
30	Sequential conformational transitions and \pm -helical supercoiling regulate a sensor histidine kinase. <i>Nature Communications</i> , 2017, 8, 284.	12.8	55
31	Ionic micelles and aromatic additives: a closer look at the molecular packing parameter. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 21869-21877.	2.8	29
32	High-acceptance versatile microfocus module based on elliptical Fresnel zone plates for small-angle X-ray scattering. <i>Optics Express</i> , 2017, 25, 21145.	3.4	5
33	Multiscale Description of Shale Pore Systems by Scanning SAXS and WAXS Microscopy. <i>Energy & Fuels</i> , 2016, 30, 10282-10297.	5.1	92
34	Viscoelasticity Enhancement of Surfactant Solutions Depends on Molecular Conformation: Influence of Surfactant Headgroup Structure and Its Counterion. <i>Langmuir</i> , 2016, 32, 4239-4250.	3.5	36
35	Scanning-SAXS of microfluidic flows: nanostructural mapping of soft matter. <i>Lab on A Chip</i> , 2016, 16, 4028-4035.	6.0	42
36	Controlling water evaporation through self-assembly. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10275-10280.	7.1	37

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37	Tailoring Bicelle Morphology and Thermal Stability with Lanthanide-Chelating Cholesterol Conjugates. <i>Langmuir</i> , 2016, 32, 9005-9014.	3.5	11
38	Interfibrillar packing of bovine cornea by table-top and synchrotron scanning SAXS microscopy. <i>Journal of Applied Crystallography</i> , 2016, 49, 1231-1239.	4.5	16
39	Controlling Orientational and Translational Order of Iron Oxide Nanocubes by Assembly in Nanofluidic Containers. <i>Langmuir</i> , 2015, 31, 12537-12543.	3.5	14
40	Nanostructure surveys of macroscopic specimens by small-angle scattering tensor tomography. <i>Nature</i> , 2015, 527, 349-352.	27.8	170
41	Six-dimensional real and reciprocal space small-angle X-ray scattering tomography. <i>Nature</i> , 2015, 527, 353-356.	27.8	149
42	Magnetically Enhanced Bicelles Delivering Switchable Anisotropy in Optical Gels. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1100-1105.	8.0	19
43	Cholesterol-Diethylenetriaminepentaacetate Complexed with Thulium Ions Integrated into Bicelles To Increase Their Magnetic Alignability. <i>Journal of Physical Chemistry B</i> , 2013, 117, 14743-14748.	2.6	10
44	Alignment of Bicelles Studied with High-Field Magnetic Birefringence and Small-Angle Neutron Scattering Measurements. <i>Langmuir</i> , 2013, 29, 3467-3473.	3.5	19
45	Cholesterol Increases the Magnetic Aligning of Bicellar Disks from an Aqueous Mixture of DMPC and DMPEâ€“DTPA with Complexed Thulium Ions. <i>Langmuir</i> , 2012, 28, 10905-10915.	3.5	21
46	Novel Type of Bicellar Disks from a Mixture of DMPC and DMPE-DTPA with Complexed Lanthanides. <i>Langmuir</i> , 2010, 26, 5382-5387.	3.5	26
47	Magnetic Field Alignable Domains in Phospholipid Vesicle Membranes Containing Lanthanides. <i>Journal of Physical Chemistry B</i> , 2010, 114, 174-186.	2.6	11