

Marianne Liebi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4982554/publications.pdf>

Version: 2024-02-01

47
papers

1,189
citations

394421

19
h-index

395702

33
g-index

49
all docs

49
docs citations

49
times ranked

1742
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Nanostructure surveys of macroscopic specimens by small-angle scattering tensor tomography. <i>Nature</i> , 2015, 527, 349-352. | 27.8 | 170 |
| 2 | Six-dimensional real and reciprocal space small-angle X-ray scattering tomography. <i>Nature</i> , 2015, 527, 353-356. | 27.8 | 149 |
| 3 | Multiscale Description of Shale Pore Systems by Scanning SAXS and WAXS Microscopy. <i>Energy & Fuels</i> , 2016, 30, 10282-10297. | 5.1 | 92 |
| 4 | Sequential conformational transitions and \pm -helical supercoiling regulate a sensor histidine kinase. <i>Nature Communications</i> , 2017, 8, 284. | 12.8 | 55 |
| 5 | 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 |
| 6 | 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 |
| 7 | Scanning-SAXS of microfluidic flows: nanostructural mapping of soft matter. <i>Lab on A Chip</i> , 2016, 16, 4028-4035. | 6.0 | 42 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Cholesterol Increases the Magnetic Aligning of Bicellar Disks from an Aqueous Mixture of DMPC and DMPE-DTPA with Complexed Thulium Ions. <i>Langmuir</i> , 2012, 28, 10905-10915. | 3.5 | 21 |
| 16 | Intermicellar Interactions and the Viscoelasticity of Surfactant Solutions: Complementary Use of SANS and SAXS. <i>Langmuir</i> , 2017, 33, 2617-2627. | 3.5 | 21 |
| 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 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | 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 |
| 20 | Magnetically Enhanced Bicelles Delivering Switchable Anisotropy in Optical Gels. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1100-1105. | 8.0 | 19 |
| 21 | Highly Permeable Fluorinated Polymer Nanocomposites for Plasmonic Hydrogen Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21724-21732. | 8.0 | 17 |
| 22 | 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 |
| 23 | Validation study of small-angle X-ray scattering tensor tomography. <i>Journal of Synchrotron Radiation</i> , 2020, 27, 779-787. | 2.4 | 16 |
| 24 | Controlling Orientational and Translational Order of Iron Oxide Nanocubes by Assembly in Nanofluidic Containers. <i>Langmuir</i> , 2015, 31, 12537-12543. | 3.5 | 14 |
| 25 | Rapid Acquisition of X-ray Scattering Data from Droplet-Encapsulated Protein Systems. <i>ChemPhysChem</i> , 2017, 18, 1220-1223. | 2.1 | 14 |
| 26 | 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 |
| 27 | 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 |
| 28 | Magnetic Field Alignable Domains in Phospholipid Vesicle Membranes Containing Lanthanides. <i>Journal of Physical Chemistry B</i> , 2010, 114, 174-186. | 2.6 | 11 |
| 29 | Tailoring Bicelle Morphology and Thermal Stability with Lanthanide-Chelating Cholesterol Conjugates. <i>Langmuir</i> , 2016, 32, 9005-9014. | 3.5 | 11 |
| 30 | 3D Binary Mesocrystals from Anisotropic Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 13.8 | 11 |
| 31 | Photoresponsive Movement in 3D Printed Cellulose Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 16703-16717. | 8.0 | 11 |
| 32 | 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 |
| 33 | 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 |
| 34 | Tough Ordered Mesoporous Elastomeric Biomaterials Formed at Ambient Conditions. <i>ACS Nano</i> , 2020, 14, 241-254. | 14.6 | 8 |
| 35 | Multiscale Characterization of Embryonic Long Bone Mineralization in Mice. <i>Advanced Science</i> , 2020, 7, 2002524. | 11.2 | 8 |
| 36 | In-situ Investigations on Gold Nanoparticles Stabilization Mechanisms in Biological Environments Containing HSA. <i>Advanced Functional Materials</i> , 2022, 32, 2110253. | 14.9 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Bioinspired Structural Hierarchy within Macroscopic Volumes of Synthetic Composites. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800466. | 7.6 | 7 |
| 38 | 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 |
| 39 | Mastering the magnetic susceptibility of magnetically responsive bicelles with 3 ⁺ -amino-5-cholestene and complexed lanthanide ions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10820-10824. | 2.8 | 6 |
| 40 | 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 |
| 41 | Fingerprinting soft material nanostructure response to complex flow histories. <i>Physical Review Materials</i> , 2022, 6, . | 2.4 | 6 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | Fabrication Procedures and Birefringence Measurements for Designing Magnetically Responsive Lanthanide Ion Chelating Phospholipid Assemblies. <i>Journal of Visualized Experiments</i> , 2018, , . | 0.3 | 1 |
| 46 | <p class="Title1">3D Binary Mesocrystals from Anisotropic Nanoparticles</p></p></p>. <i>Angewandte Chemie</i> , 2022, 134, e202112461. | 2.0 | 0 |
| 47 | Titelbild: BinÄre 3Dâ€Mesokristalle aus anisotropen Nanopartikeln (<i>Angew. Chem.</i> 2/2022). <i>Angewandte Chemie</i> , 2022, 134, . | 2.0 | 0 |