

Martin Trebbin

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,376
citations

361296

20
h-index

434063

31
g-index

36
all docs

36
docs citations

36
times ranked

2608
citing authors

#	ARTICLE	IF	CITATIONS
1	A customizable software for fast reduction and analysis of large X-ray scattering data sets: applications of the new <i>DPDAK</i> package to small-angle X-ray scattering and grazing-incidence small-angle X-ray scattering. <i>Journal of Applied Crystallography</i> , 2014, 47, 1797-1803.	1.9	244
2	Megahertz serial crystallography. <i>Nature Communications</i> , 2018, 9, 4025.	5.8	147
3	Anisotropic particles align perpendicular to the flow direction in narrow microchannels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 6706-6711.	3.3	145
4	A cryo-EM grid preparation device for time-resolved structural studies. <i>IUCrJ</i> , 2019, 6, 1024-1031.	1.0	77
5	Microfluidic liquid jet system with compatibility for atmospheric and high-vacuum conditions. <i>Lab on A Chip</i> , 2014, 14, 1733-1745.	3.1	66
6	Need for Speed: Examining Protein Behavior during CryoEM Grid Preparation at Different Timescales. <i>Structure</i> , 2020, 28, 1238-1248.e4.	1.6	61
7	Megahertz single-particle imaging at the European XFEL. <i>Communications Physics</i> , 2020, 3, .	2.0	58
8	3D-MiXD: 3D-printed X-ray-compatible microfluidic devices for rapid, low-consumption serial synchrotron crystallography data collection in flow. <i>IUCrJ</i> , 2020, 7, 207-219.	1.0	43
9	Early development drug formulation on a chip: Fabrication of nanoparticles using a microfluidic spray dryer. <i>Lab on A Chip</i> , 2011, 11, 2362.	3.1	42
10	Fast Diffusion-Limited Lyotropic Phase Transitions Studied in Situ Using Continuous Flow Microfluidics/Microfocus-SAXS. <i>Langmuir</i> , 2014, 30, 12494-12502.	1.6	42
11	Freestanding films of crosslinked gold nanoparticles prepared via layer-by-layer spin-coating. <i>Nanotechnology</i> , 2011, 22, 305303.	1.3	41
12	A microfluidic flow-focusing device for low sample consumption serial synchrotron crystallography experiments in liquid flow. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 406-412.	1.0	37
13	Novel therapeutic intervention for osteoporosis prepared with strontium hydroxyapatite and zoledronic acid: In vitro and pharmacodynamic evaluation. <i>Materials Science and Engineering C</i> , 2017, 71, 698-708.	3.8	36
14	Solution blow spinning of polymer/nanocomposite micro-/nanofibers with tunable diameters and morphologies using a gas dynamic virtual nozzle. <i>Scientific Reports</i> , 2019, 9, 14297.	1.6	36
15	Effective role of CaO/P 2 O 5 ratio on SiO 2 -CaO-P 2 O 5 glass system. <i>Journal of Advanced Research</i> , 2017, 8, 279-288.	4.4	34
16	Tailored Nanostructuring of End-Group-Functionalized High-Density Polyethylene Synthesized by an Efficient Catalytic Version of Ziegler-Ti's α -Aufbaureaktion. <i>Chemistry - A European Journal</i> , 2012, 18, 13974-13978.	1.7	32
17	Time-Resolved Analysis of the Structural Dynamics of Assembling Gold Nanoparticles. <i>ACS Nano</i> , 2019, 13, 6596-6604.	7.3	30
18	Microfluidic nozzle device for ultrafine fiber solution blow spinning with precise diameter control. <i>Lab on A Chip</i> , 2018, 18, 2225-2234.	3.1	28

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19	Evaluation of serial crystallographic structure determination within megahertz pulse trains. <i>Structural Dynamics</i> , 2019, 6, 064702.	0.9	26
20	Synthesis of a 1,3,4,5-tetrahydrobenzindole Î²-ketoester. <i>Tetrahedron Letters</i> , 2009, 50, 6506-6508.	0.7	24
21	Sample deposition onto cryo-EM grids: from sprays to jets and back. <i>Acta Crystallographica Section D: Structural Biology</i> , 2020, 76, 340-349.	1.1	23
22	Microfluidic polyimide gas dynamic virtual nozzles for serial crystallography. <i>Review of Scientific Instruments</i> , 2020, 91, 085108.	0.6	22
23	SiCN Nanofibers with a Diameter Below 100 nm Synthesized via Concerted Block Copolymer Formation, Microphase Separation, and Crosslinking. <i>Small</i> , 2013, 9, 984-989.	5.2	16
24	Lyotropic phase behavior of polymer-coated iron oxide nanoparticles. <i>Soft Matter</i> , 2012, 8, 12124.	1.2	14
25	3D Micromachined Polyimide Mixing Devices for in Situ X-ray Imaging of Solution-Based Block Copolymer Phase Transitions. <i>Langmuir</i> , 2019, 35, 10435-10445.	1.6	14
26	Polymerization-Induced Thermal Self-Assembly of Functional and Thermo-Responsive Diblock Copolymer Nano-Objects via RAFT Aqueous Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800370.	1.1	13
27	Splitting and separation of colloidal streams in sinusoidal microchannels. <i>Lab on A Chip</i> , 2018, 18, 3163-3171.	3.1	8
28	Adsorption of Spherical Polyelectrolyte Brushes: from Interactions to Surface Patterning. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012, 226, 569-584.	1.4	4
29	Microfluidic Assisted Self-Assembly of pH-Sensitive Low-Molecular Weight Hydrogelators Close to the Minimum Gelation Concentration. <i>Macromolecular Symposia</i> , 2015, 358, 59-66.	0.4	4
30	Microfluidic synthesis of thermo-responsive block copolymer nano-objects via RAFT polymerization. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	4
31	TREXX: a new endstation for serial time-resolved crystallography at PETRA-III. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2019, 75, e26-e26.	0.0	1
32	Microfluidic devices for fast time-resolved studies. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s182-s182.	0.0	0
33	Versatile and efficient rapid-mixing liquid jets. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C995-C995.	0.0	0
34	Versatile and efficient rapid-mixing liquid jets. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C588-C588.	0.0	0