Martin Trebbin

List of Publications by Year
in descending order

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	Need for Speed: Examining Protein Behavior during CryoEM Grid Preparation at Different Timescales. Structure, 2020, 28, 1238-1248.e4.	1.6	61
2	Microfluidic synthesis of thermo-responsive block copolymer nano-objects via RAFT polymerization. Journal of Polymer Research, 2020, 27, 1.	1.2	4
3	Microfluidic polyimide gas dynamic virtual nozzles for serial crystallography. Review of Scientific Instruments, 2020, 91, 085108.	0.6	22
4	Megahertz single-particle imaging at the European XFEL. Communications Physics, 2020, 3, .	2.0	58
5	3D-MiXD: 3D-printed X-ray-compatible microfluidic devices for rapid, low-consumption serial synchrotron crystallography data collection in flow. IUCrJ, 2020, 7, 207-219.	1.0	43
6	Sample deposition onto cryo-EM grids: from sprays to jets and back. Acta Crystallographica Section D: Structural Biology, 2020, 76, 340-349.	1.1	23
7	3D Micromachined Polyimide Mixing Devices for in Situ X-ray Imaging of Solution-Based Block Copolymer Phase Transitions. Langmuir, 2019, 35, 10435-10445.	1.6	14
8	Solution blow spinning of polymer/nanocomposite micro-/nanofibers with tunable diameters and morphologies using a gas dynamic virtual nozzle. Scientific Reports, 2019, 9, 14297.	1.6	36
9	Time-Resolved Analysis of the Structural Dynamics of Assembling Gold Nanoparticles. ACS Nano, 2019, 13, 6596-6604.	7.3	30
10	A microfluidic flow-focusing device for low sample consumption serial synchrotron crystallography experiments in liquid flow. Journal of Synchrotron Radiation, 2019, 26, 406-412.	1.0	37
11	Evaluation of serial crystallographic structure determination within megahertz pulse trains. Structural Dynamics, 2019, 6, 064702.	0.9	26
12	Polymerizationâ€Induced Thermal Selfâ€Assembly of Functional and Thermoâ€Responsive Diblock Copolymer Nanoâ€Objects via RAFT Aqueous Polymerization. Macromolecular Chemistry and Physics, 2019, 220, 1800370.	1.1	13
13	A cryo-EM grid preparation device for time-resolved structural studies. IUCrJ, 2019, 6, 1024-1031.	1.0	77
14	TREXX: a new endstation for serial time-resolved crystallography at PETRAâ€…III. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e26-e26.	0.0	1
15	Megahertz serial crystallography. Nature Communications, 2018, 9, 4025.	5.8	147
16	Splitting and separation of colloidal streams in sinusoidal microchannels. Lab on A Chip, 2018, 18, 3163-3171.	3.1	8
17	Microfluidic nozzle device for ultrafine fiber solution blow spinning with precise diameter control. Lab on A Chip, 2018, 18, 2225-2234.	3.1	28
18	Effective role of CaO/P 2 O 5 ratio on SiO 2 -CaO-P 2 O 5 glass system. Journal of Advanced Research, 2017, 8, 279-288.	4.4	34

#	Article	IF	Citations
19	Novel therapeutic intervention for osteoporosis prepared with strontium hydroxyapatite and zoledronic acid: In vitro and pharmacodynamic evaluation. Materials Science and Engineering C, 2017, 71, 698-708.	3.8	36
20	Versatile and efficient rapid-mixing liquid jets. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C995-C995.	0.0	0
21	Versatile and efficient rapid-mixing liquid jets. Acta Crystallographica Section A: Foundations and Advances, 2017, 73, C588-C588.	0.0	0
22	Microfluidic devices for fast time-resolved studies. Acta Crystallographica Section A: Foundations and Advances, 2016, 72, s182-s182.	0.0	0
23	Microfluidic Assisted Selfâ€Assembly of pHâ€Sensitive Lowâ€Molecular Weight Hydrogelators Close to the Minimum Gelation Concentration. Macromolecular Symposia, 2015, 358, 59-66.	0.4	4
24	Fast Diffusion-Limited Lyotropic Phase Transitions Studied in Situ Using Continuous Flow Microfluidics/Microfocus-SAXS. Langmuir, 2014, 30, 12494-12502.	1.6	42
25	Microfluidic liquid jet system with compatibility for atmospheric and high-vacuum conditions. Lab on A Chip, 2014, 14, 1733-1745.	3.1	66
26	A customizable software for fast reduction and analysis of large X-ray scattering data sets: applications of the newDPDAKpackage to small-angle X-ray scattering and grazing-incidence small-angle X-ray scattering. Journal of Applied Crystallography, 2014, 47, 1797-1803.	1.9	244
27	Anisotropic particles align perpendicular to the flow direction in narrow microchannels. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6706-6711.	3.3	145
28	SiCN Nanofibers with a Diameter Below 100 nm Synthesized via Concerted Block Copolymer Formation, Microphase Separation, and Crosslinking. Small, 2013, 9, 984-989.	5.2	16
29	Adsorption of Spherical Polyelectrolyte Brushes: from Interactions to Surface Patterning. Zeitschrift Fur Physikalische Chemie, 2012, 226, 569-584.	1.4	4
30	Lyotropic phase behavior of polymer-coated iron oxide nanoparticles. Soft Matter, 2012, 8, 12124.	1.2	14
31	Tailored Nanostructuring of Endâ€Groupâ€Functionalized Highâ€Density Polyethylene Synthesized by an Efficient Catalytic Version of Zieglerâ€™s â€œAufbaureaktionâ€. Chemistry - A European Journal, 2012, 18, 13974-13978.	1.7	32
32	Early development drug formulation on a chip: Fabrication of nanoparticles using a microfluidic spray dryer. Lab on A Chip, 2011, 11, 2362.	3.1	42
33	Freestanding films of crosslinked gold nanoparticles prepared via layer-by-layer spin-coating. Nanotechnology, 2011, 22, 305303.	1.3	41
34	Synthesis of a 1,3,4,5-tetrahydrobenzindole Î²-ketoester. Tetrahedron Letters, 2009, 50, 6506-6508.	0.7	24