

Juraj Knoska

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,587
citations

471509

17
h-index

580821

25
g-index

31
all docs

31
docs citations

31
times ranked

2075
citing authors

#	ARTICLE	IF	CITATIONS
1	Structures of riboswitch RNA reaction states by mix-and-inject XFEL serial crystallography. <i>Nature</i> , 2017, 541, 242-246.	27.8	251
2	X-ray screening identifies active site and allosteric inhibitors of SARS-CoV-2 main protease. <i>Science</i> , 2021, 372, 642-646.	12.6	240
3	Megahertz serial crystallography. <i>Nature Communications</i> , 2018, 9, 4025.	12.8	147
4	Enzyme intermediates captured "on the fly" by mix-and-inject serial crystallography. <i>BMC Biology</i> , 2018, 16, 59.	3.8	117
5	Time-resolved serial femtosecond crystallography at the European XFEL. <i>Nature Methods</i> , 2020, 17, 73-78.	19.0	110
6	Ultracompact 3D microfluidics for time-resolved structural biology. <i>Nature Communications</i> , 2020, 11, 657.	12.8	106
7	Mix-and-diffuse serial synchrotron crystallography. <i>IUCr</i> , 2017, 4, 769-777.	2.2	98
8	Structural enzymology using X-ray free electron lasers. <i>Structural Dynamics</i> , 2017, 4, 044003.	2.3	92
9	Double-flow focused liquid injector for efficient serial femtosecond crystallography. <i>Scientific Reports</i> , 2017, 7, 44628.	3.3	90
10	Rapid sample delivery for megahertz serial crystallography at X-ray FELs. <i>IUCr</i> , 2018, 5, 574-584.	2.2	52
11	Membrane protein megahertz crystallography at the European XFEL. <i>Nature Communications</i> , 2019, 10, 5021.	12.8	47
12	Ceramic micro-injection molded nozzles for serial femtosecond crystallography sample delivery. <i>Review of Scientific Instruments</i> , 2015, 86, 125104.	1.3	46
13	Segmented flow generator for serial crystallography at the European X-ray free electron laser. <i>Nature Communications</i> , 2020, 11, 4511.	12.8	27
14	Evaluation of serial crystallographic structure determination within megahertz pulse trains. <i>Structural Dynamics</i> , 2019, 6, 064702.	2.3	26
15	Simple convergent-nozzle aerosol injector for single-particle diffractive imaging with X-ray free-electron lasers. <i>Structural Dynamics</i> , 2015, 2, 041717.	2.3	23
16	3D printed devices and infrastructure for liquid sample delivery at the European XFEL. <i>Journal of Synchrotron Radiation</i> , 2022, 29, 331-346.	2.4	22
17	Femtosecond X-ray diffraction from an aerosolized beam of protein nanocrystals. <i>Journal of Applied Crystallography</i> , 2018, 51, 133-139.	4.5	18
18	Synchronous RNA conformational changes trigger ordered phase transitions in crystals. <i>Nature Communications</i> , 2021, 12, 1762.	12.8	17

#	ARTICLE	IF	CITATIONS
19	Co-flow injection for serial crystallography at X-ray free-electron lasers. <i>Journal of Applied Crystallography</i> , 2022, 55, 1-13.	4.5	12
20	Post-sample aperture for low background diffraction experiments at X-ray free-electron lasers. <i>Journal of Synchrotron Radiation</i> , 2017, 24, 1296-1298.	2.4	8
21	New insights into the crystallization of polymorphic materials: from real-time serial crystallography to luminescence analysis. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1757-1767.	3.7	8
22	Experimental and Numerical Investigation of Gas-Focused Liquid Micro-Jet Velocity. <i>International Journal of Multiphase Flow</i> , 2021, 135, 103530.	3.4	8
23	The Natural Breakup Length of a Steady Capillary Jet: Application to Serial Femtosecond Crystallography. <i>Crystals</i> , 2021, 11, 990.	2.2	6
24	Superconductor-ferromagnet-superconductor nanojunctions from perovskite materials. <i>Applied Surface Science</i> , 2017, 395, 237-240.	6.1	4
25	Transport properties of YBa ₂ Cu ₃ O _x /La _{0.67} Sr _{0.33} MnO ₃ nanostrips and YBa ₂ Cu ₃ O _x /La _{0.67} Sr _{0.33} MnO ₃ /YBa ₂ Cu ₃ O _x nanojunctions. <i>Journal of Physics: Conference Series</i> , 2016, 700, 012021.	0.4	0
26	DNA-Origami-Assisted Flow-Aligned Single-Particle Diffractive Imaging using XFEL Pulses. <i>Biophysical Journal</i> , 2020, 118, 137a-138a.	0.5	0