

# 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	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
2	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
3	Experimental and Numerical Investigation of Gas-Focused Liquid Micro-Jet Velocity. <i>International Journal of Multiphase Flow</i> , 2021, 135, 103530.	3.4	8
4	Synchronous RNA conformational changes trigger ordered phase transitions in crystals. <i>Nature Communications</i> , 2021, 12, 1762.	12.8	17
5	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
6	The Natural Breakup Length of a Steady Capillary Jet: Application to Serial Femtosecond Crystallography. <i>Crystals</i> , 2021, 11, 990.	2.2	6
7	Time-resolved serial femtosecond crystallography at the European XFEL. <i>Nature Methods</i> , 2020, 17, 73-78.	19.0	110
8	Segmented flow generator for serial crystallography at the European X-ray free electron laser. <i>Nature Communications</i> , 2020, 11, 4511.	12.8	27
9	DNA-Origami-Assisted Flow-Aligned Single-Particle Diffractive Imaging using XFEL Pulses. <i>Biophysical Journal</i> , 2020, 118, 137a-138a.	0.5	0
10	Ultracompact 3D microfluidics for time-resolved structural biology. <i>Nature Communications</i> , 2020, 11, 657.	12.8	106
11	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
12	Membrane protein megahertz crystallography at the European XFEL. <i>Nature Communications</i> , 2019, 10, 5021.	12.8	47
13	Evaluation of serial crystallographic structure determination within megahertz pulse trains. <i>Structural Dynamics</i> , 2019, 6, 064702.	2.3	26
14	Femtosecond X-ray diffraction from an aerosolized beam of protein nanocrystals. <i>Journal of Applied Crystallography</i> , 2018, 51, 133-139.	4.5	18
15	Megahertz serial crystallography. <i>Nature Communications</i> , 2018, 9, 4025.	12.8	147
16	Enzyme intermediates captured "on the fly" by mix-and-inject serial crystallography. <i>BMC Biology</i> , 2018, 16, 59.	3.8	117
17	Rapid sample delivery for megahertz serial crystallography at X-ray FELs. <i>IUCrJ</i> , 2018, 5, 574-584.	2.2	52
18	Structural enzymology using X-ray free electron lasers. <i>Structural Dynamics</i> , 2017, 4, 044003.	2.3	92

#	ARTICLE	IF	CITATIONS
19	Double-flow focused liquid injector for efficient serial femtosecond crystallography. Scientific Reports, 2017, 7, 44628.	3.3	90
20	Structures of riboswitch RNA reaction states by mix-and-inject XFEL serial crystallography. Nature, 2017, 541, 242-246.	27.8	251
21	Superconductor-ferromagnet-superconductor nanojunctions from perovskite materials. Applied Surface Science, 2017, 395, 237-240.	6.1	4
22	Post-sample aperture for low background diffraction experiments at X-ray free-electron lasers. Journal of Synchrotron Radiation, 2017, 24, 1296-1298.	2.4	8
23	Mix-and-diffuse serial synchrotron crystallography. IUCrJ, 2017, 4, 769-777.	2.2	98
24	Transport properties of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> nanostrips and YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> /YBa <sub>2</sub> Cu <sub>3</sub> O <sub>x</sub> nanojunctions. Journal of Physics: Conference Series, 2016, 700, 012021.	0.4	0
25	Ceramic micro-injection molded nozzles for serial femtosecond crystallography sample delivery. Review of Scientific Instruments, 2015, 86, 125104.	1.3	46
26	Simple convergent-nozzle aerosol injector for single-particle diffractive imaging with X-ray free-electron lasers. Structural Dynamics, 2015, 2, 041717.	2.3	23