

# Josef Prost

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1295370/publications.pdf>

Version: 2024-02-01

14  
papers

144  
citations

1163117

8  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

187  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel vacuum spectrometer for total reflection x-ray fluorescence analysis with two exchangeable low power x-ray sources for the analysis of low, medium, and high Z elements in sequence. Review of Scientific Instruments, 2015, 86, 083105.	1.3	23
2	Quantitative total reflection X-ray fluorescence analysis of directly collected aerosol samples. X-Ray Spectrometry, 2017, 46, 454-460.	1.4	20
3	Semi-Supervised Classification of the State of Operation in Self-Lubricating Journal Bearings Using a Random Forest Classifier. Lubricants, 2021, 9, 50.	2.9	14
4	Production of the ideal sample shape for Total Reflection X-ray Fluorescence analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 77, 31-34.	2.9	13
5	Nanoliter deposition unit for pipetting droplets of small volumes for Total Reflection X-ray Fluorescence applications. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2013, 82, 71-75.	2.9	13
6	Atomic layer deposition to prevent metal transfer from implants: An X-ray fluorescence study. Applied Surface Science, 2015, 359, 215-220.	6.1	13
7	Synchrotron radiation micro X-ray fluorescence spectroscopy of thin structures in bone samples: comparison of confocal and color X-ray camera setups. Journal of Synchrotron Radiation, 2017, 24, 307-311.	2.4	12
8	Evaluation of a sample preparation procedure for total-reflection X-ray fluorescence analysis of directly collected airborne particulate matter samples. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 147, 13-20.	2.9	10
9	Long short-term memory based semi-supervised encoder-decoder for early prediction of failures in self-lubricating bearings. Friction, 2023, 11, 109-124.	6.4	10
10	Dual energy-band excitation from a low power Rh anode X-ray tube for the simultaneous determination of low Z and high Z elements (Na-U) using total-reflection X-ray fluorescence analysis (TXRF). Review of Scientific Instruments, 2018, 89, 093108.	1.3	6
11	A first evaluation of the analytical capabilities of the new X-ray fluorescence facility at International Atomic Energy Agency-Elettra Sincrotrone Trieste for multipurpose total reflection X-ray fluorescence analysis. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 145, 8-19.	2.9	5
12	Comparison of different excitation modes for the analysis of light elements with a TXRF vacuum chamber. Powder Diffraction, 2015, 30, 93-98.	0.2	4
13	(Invited) ALD to Prevent Metal Transfer from Implants. ECS Transactions, 2016, 75, 167-175.	0.5	1
14	Establishment of a high-capacity X-ray source in Austria for use in materials science. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, e730-e730.	0.1	0