

# Ondrej L Krivanek

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1087010/publications.pdf>

Version: 2024-02-01

20  
papers

1,408  
citations

840776

11  
h-index

888059

17  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1358  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vibrational spectroscopy in the electron microscope. Nature, 2014, 514, 209-212.	27.8	568
2	Damage-free vibrational spectroscopy of biological materials in the electron microscope. Nature Communications, 2016, 7, 10945.	12.8	124
3	Identification of site-specific isotopic labels by vibrational spectroscopy in the electron microscope. Science, 2019, 363, 525-528.	12.6	124
4	Nanoscale momentum-resolved vibrational spectroscopy. Science Advances, 2018, 4, eaar7495.	10.3	111
5	Single-defect phonons imaged by electron microscopy. Nature, 2021, 589, 65-69.	27.8	108
6	Monochromated STEM with a 30 meV-wide, atom-sized electron probe. Microscopy (Oxford, England), 2013, 62, 3-21.	1.5	101
7	Temperature Measurement by a Nanoscale Electron Probe Using Energy Gain and Loss Spectroscopy. Physical Review Letters, 2018, 120, 095901.	7.8	97
8	Hybrid pixel direct detector for electron energy loss spectroscopy. Ultramicroscopy, 2020, 217, 113067.	1.9	62
9	Vibrational Spectroscopy of Water with High Spatial Resolution. Advanced Materials, 2018, 30, e1802702.	21.0	45
10	Nion Swift: Open Source Image Processing Software for Instrument Control, Data Acquisition, Organization, Visualization, and Analysis Using Python.. Microscopy and Microanalysis, 2019, 25, 122-123.	0.4	24
11	Ultra-high Energy Resolution EELS. Microscopy and Microanalysis, 2020, 26, 1804-1805.	0.4	16
12	Brief history of the Cambridge STEM aberration correction project and its progeny. Ultramicroscopy, 2015, 157, 88-90.	1.9	10
13	Improving the STEM Spatial Resolution Limit. Microscopy and Microanalysis, 2018, 24, 18-19.	0.4	8
14	Isotope-Resolved Electron Energy Loss Spectroscopy in a Monochromated Scanning Transmission Electron Microscope. Microscopy Today, 2021, 29, 36-41.	0.3	5
15	Aberration correction in electron microscopy and spectroscopy. Microscopy and Microanalysis, 2021, 27, 3474-3478.	0.4	3
16	Advances in Atomic-resolution and Molecular-detection EELS. Microscopy and Microanalysis, 2017, 23, 1028-1029.	0.4	1
17	Damage-free Analysis of Biological Materials by Vibrational Spectroscopy in the EM. Microscopy and Microanalysis, 2020, 26, 108-110.	0.4	1
18	Smarter than an iPhone: the emergence of the modern electron microscope. Microscopy and Microanalysis, 2017, 23, 2292-2293.	0.4	0

#	ARTICLE	IF	CITATIONS
19	EELS in STEM: the “Swiss Army Knife” of Spectroscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 620-621.	0.4	0
20	Damage-Free Nanoscale Isotopic Analysis of Biological Materials with Vibrational Electron Spectroscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 1088-1089.	0.4	0