

Ondrej L Krivanek

List of Publications by Year in descending order

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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	Isotope-Resolved Electron Energy Loss Spectroscopy in a Monochromated Scanning Transmission Electron Microscope. <i>Microscopy Today</i> , 2021, 29, 36-41.	0.3	5
2	Aberration correction in electron microscopy and spectroscopy. <i>Microscopy and Microanalysis</i> , 2021, 27, 3474-3478.	0.4	3
3	Single-defect phonons imaged by electron microscopy. <i>Nature</i> , 2021, 589, 65-69.	27.8	108
4	Damage-free Analysis of Biological Materials by Vibrational Spectroscopy in the EM. <i>Microscopy and Microanalysis</i> , 2020, 26, 108-110.	0.4	1
5	Ultra-high Energy Resolution EELS. <i>Microscopy and Microanalysis</i> , 2020, 26, 1804-1805.	0.4	16
6	Hybrid pixel direct detector for electron energy loss spectroscopy. <i>Ultramicroscopy</i> , 2020, 217, 113067.	1.9	62
7	EELS in STEM: the "Swiss Army Knife" of Spectroscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 620-621.	0.4	0
8	Nion Swift: Open Source Image Processing Software for Instrument Control, Data Acquisition, Organization, Visualization, and Analysis Using Python.. <i>Microscopy and Microanalysis</i> , 2019, 25, 122-123.	0.4	24
9	Damage-Free Nanoscale Isotopic Analysis of Biological Materials with Vibrational Electron Spectroscopy. <i>Microscopy and Microanalysis</i> , 2019, 25, 1088-1089.	0.4	0
10	Identification of site-specific isotopic labels by vibrational spectroscopy in the electron microscope. <i>Science</i> , 2019, 363, 525-528.	12.6	124
11	Temperature Measurement by a Nanoscale Electron Probe Using Energy Gain and Loss Spectroscopy. <i>Physical Review Letters</i> , 2018, 120, 095901.	7.8	97
12	Improving the STEM Spatial Resolution Limit. <i>Microscopy and Microanalysis</i> , 2018, 24, 18-19.	0.4	8
13	Vibrational Spectroscopy of Water with High Spatial Resolution. <i>Advanced Materials</i> , 2018, 30, e1802702.	21.0	45
14	Nanoscale momentum-resolved vibrational spectroscopy. <i>Science Advances</i> , 2018, 4, eaar7495.	10.3	111
15	Advances in Atomic-resolution and Molecular-detection EELS. <i>Microscopy and Microanalysis</i> , 2017, 23, 1028-1029.	0.4	1
16	Smarter than an iPhone: the emergence of the modern electron microscope. <i>Microscopy and Microanalysis</i> , 2017, 23, 2292-2293.	0.4	0
17	Damage-free vibrational spectroscopy of biological materials in the electron microscope. <i>Nature Communications</i> , 2016, 7, 10945.	12.8	124
18	Brief history of the Cambridge STEM aberration correction project and its progeny. <i>Ultramicroscopy</i> , 2015, 157, 88-90.	1.9	10

#	ARTICLE	IF	CITATIONS
19	Vibrational spectroscopy in the electron microscope. <i>Nature</i> , 2014, 514, 209-212.	27.8	568
20	Monochromated STEM with a 30 meV-wide, atom-sized electron probe. <i>Microscopy (Oxford, England)</i> , 2013, 62, 3-21.	1.5	101