

# Ivan LaziÄ

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,055  
citations

687363

13  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1211  
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging biological samples by integrated differential phase contrast (iDPC) STEM technique. <i>Journal of Structural Biology</i> , 2022, 214, 107837.	2.8	13
2	Atomic imaging of zeolite-confined single molecules by electron microscopy. <i>Nature</i> , 2022, 607, 703-707.	27.8	49
3	A single-molecule van der Waals compass. <i>Nature</i> , 2021, 592, 541-544.	27.8	75
4	Real-time imaging of atomic electrostatic potentials in 2D materials with 30 keV electrons. <i>Microscopy and Microanalysis</i> , 2021, 27, 1946-1947.	0.4	4
5	Imaging atomic motion of light elements in 2D materials with 30 kV electron microscopy. <i>Nanoscale</i> , 2021, 13, 20683-20691.	5.6	5
6	Analysis of depth-sectioning STEM for thick samples and 3D imaging. <i>Ultramicroscopy</i> , 2019, 207, 112831.	1.9	28
7	Visualization of Dopant Oxygen Atoms in a $\text{Bi}_{2}\text{Sr}_{2}\text{CaCu}_{2}\text{O}_{8+\delta}$ Superconductor. <i>Advanced Functional Materials</i> , 2019, 29, 1903843.	14.9	34
8	3D characterization of nanowire devices with STEM based modes. <i>Semiconductor Science and Technology</i> , 2019, 34, 114001.	2.0	3
9	Phase contrast scanning transmission electron microscopy imaging of light and heavy atoms at the limit of contrast and resolution. <i>Scientific Reports</i> , 2018, 8, 2676.	3.3	159
10	Simultaneous iDPC and ADF STEM Imaging at the Limit of Contrast and Resolution. <i>Microscopy and Microanalysis</i> , 2018, 24, 214-215.	0.4	0
11	Thick (3D) Sample STEM Imaging at Nano Scale: iDPC and ADF Simultaneously. <i>Microscopy and Microanalysis</i> , 2018, 24, 226-227.	0.4	1
12	Thick (3D) Sample Imaging Using iDPC-STEM at Atomic Scale. <i>Microscopy and Microanalysis</i> , 2018, 24, 170-171.	0.4	5
13	Low Dose Imaging Using Simultaneous iDPC- and ADF-STEM for Beam Sensitive Crystalline Structures. <i>Microscopy and Microanalysis</i> , 2018, 24, 122-123.	0.4	10
14	Analytical Review of Direct Stem Imaging Techniques for Thin Samples. <i>Advances in Imaging and Electron Physics</i> , 2017, , 75-184.	0.2	47
15	Quantitative Phase Imaging of $\text{Ba}_{2}\text{NaNb}_{5}\text{O}_{15}$ . <i>Microscopy and Microanalysis</i> , 2016, 22, 1458-1459.	0.4	1
16	Integrated Differential Phase Contrast (iDPC) – Direct Phase Imaging in STEM for Thin Samples. <i>Microscopy and Microanalysis</i> , 2016, 22, 36-37.	0.4	15
17	Integrated Differential Phase Contrast (iDPC) STEM: A New Atomic Resolution STEM Technique To Image All Elements Across the Periodic Table. <i>Microscopy and Microanalysis</i> , 2016, 22, 306-307.	0.4	14
18	Phase contrast STEM for thin samples: Integrated differential phase contrast. <i>Ultramicroscopy</i> , 2016, 160, 265-280.	1.9	339

#	ARTICLE	IF	CITATIONS
19	Analysis of HR-STEM theory for thin specimen. Ultramicroscopy, 2015, 156, 59-72.	1.9	34
20	Scanning electron microscopy of individual nanoparticle bio-markers in liquid. Ultramicroscopy, 2014, 143, 93-99.	1.9	17
21	Revisiting the Al/Al <sub>2</sub> O <sub>3</sub> Interface: Coherent Interfaces and Misfit Accommodation. Scientific Reports, 2014, 4, 4485.	3.3	78
22	Image formation modeling in cryo-electron microscopy. Journal of Structural Biology, 2013, 183, 19-32.	2.8	90
23	An improved molecular dynamics potential for the Al-O system. Computational Materials Science, 2012, 53, 483-492.	3.0	16
24	Microstructure of a Cu film grown on bcc Ta (100) by large-scale molecular-dynamics simulations. Physical Review B, 2010, 81, .	3.2	13
25	Exploring simulation methods for self-healing oxide films. Materials Research Society Symposia Proceedings, 2006, 978, .	0.1	2