

Jean-Nicolas Longchamp

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

435
citations

687363

13
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

604
citing authors

#	ARTICLE	IF	CITATIONS
1	Imaging proteins at the single-molecule level. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1474-1479.	7.1	86
2	When holography meets coherent diffraction imaging. Optics Express, 2012, 20, 28871.	3.4	60
3	Ultraclean freestanding graphene by platinum-metal catalysis. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2013, 31, .	1.2	45
4	Low-energy electron transmission imaging of clusters on free-standing graphene. Applied Physics Letters, 2012, 101, .	3.3	42
5	Femtosecond X-ray coherent diffraction of aligned amyloid fibrils on low background graphene. Nature Communications, 2018, 9, 1836.	12.8	34
6	Graphene Unit Cell Imaging by Holographic Coherent Diffraction. Physical Review Letters, 2013, 110, 255501.	7.8	29
7	Direct Observation of Individual Charges and Their Dynamics on Graphene by Low-Energy Electron Holography. Nano Letters, 2016, 16, 5469-5474.	9.1	21
8	Mapping unoccupied electronic states of freestanding graphene by angle-resolved low-energy electron transmission. Physical Review B, 2016, 94, .	3.2	20
9	Low-energy electron holographic imaging of individual tobacco mosaic virions. Applied Physics Letters, 2015, 107, .	3.3	18
10	Coherent low-energy electron diffraction on individual nanometer sized objects. Ultramicroscopy, 2011, 111, 282-284.	1.9	17
11	Holography and coherent diffraction with low-energy electrons: A route towards structural biology at the single molecule level. Ultramicroscopy, 2015, 159, 395-402.	1.9	17
12	Novel Fourier-domain constraint for fast phase retrieval in coherent diffraction imaging. Optics Express, 2011, 19, 19330.	3.4	16
13	Low-energy electron holographic imaging of gold nanorods supported by ultraclean graphene. Ultramicroscopy, 2014, 145, 80-84.	1.9	14
14	On artefact-free reconstruction of low-energy (30-250eV) electron holograms. Ultramicroscopy, 2014, 145, 22-27.	1.9	10
15	Coherent Diffraction and Holographic Imaging of Individual Biomolecules Using Low-Energy Electrons. NATO Science for Peace and Security Series A: Chemistry and Biology, 2013, , 331-342.	0.5	3
16	Design and implementation of a micron-sized electron column fabricated by focused ion beam milling. Ultramicroscopy, 2016, 160, 74-79.	1.9	2
17	When Holography Meets Coherent Diffraction Imaging. , 2012, , .		1
18	Structural Biology at The Single Particle Level: Imaging Tobacco Mosaic Virus by Low-Energy Electron Holography. Microscopy and Microanalysis, 2015, 21, 509-510.	0.4	0