

Alex de Marco

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/592706/publications.pdf>

Version: 2024-02-01

44
papers

1,884
citations

394286

19
h-index

289141

40
g-index

48
all docs

48
docs citations

48
times ranked

2547
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear Pore Scaffold Structure Analyzed by Super-Resolution Microscopy and Particle Averaging. <i>Science</i> , 2013, 341, 655-658.	6.0	401
2	Site-Specific Cryo-focused Ion Beam Sample Preparation Guided by 3D Correlative Microscopy. <i>Biophysical Journal</i> , 2016, 110, 860-869.	0.2	172
3	Structure of the immature retroviral capsid at 8Å resolution by cryo-electron microscopy. <i>Nature</i> , 2012, 487, 385-389.	13.7	152
4	Cryo Electron Tomography of Native HIV-1 Budding Sites. <i>PLoS Pathogens</i> , 2010, 6, e1001173.	2.1	119
5	PIE-scope, integrated cryo-correlative light and FIB/SEM microscopy. <i>ELife</i> , 2019, 8, .	2.8	108
6	Simultaneous soft X-ray transmission and emission microscopy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 608, 195-198.	0.7	96
7	Structural Analysis of HIV-1 Maturation Using Cryo-Electron Tomography. <i>PLoS Pathogens</i> , 2010, 6, e1001215.	2.1	96
8	Determination of protein structure at 8.5 Å resolution using cryo-electron tomography and sub-tomogram averaging. <i>Journal of Structural Biology</i> , 2013, 184, 394-400.	1.3	85
9	Fast transcription rates of RNA polymerase II in human cells. <i>EMBO Reports</i> , 2011, 12, 1280-1285.	2.0	77
10	Automated cryo-lamella preparation for high-throughput in-situ structural biology. <i>Journal of Structural Biology</i> , 2020, 210, 107488.	1.3	70
11	Conserved and Variable Features of Gag Structure and Arrangement in Immature Retrovirus Particles. <i>Journal of Virology</i> , 2010, 84, 11729-11736.	1.5	52
12	Role of the SP2 Domain and Its Proteolytic Cleavage in HIV-1 Structural Maturation and Infectivity. <i>Journal of Virology</i> , 2012, 86, 13708-13716.	1.5	37
13	Delivery of femtolitre droplets using surface acoustic wave based atomisation for cryo-EM grid preparation. <i>Journal of Structural Biology</i> , 2018, 203, 94-101.	1.3	37
14	Anisotropic epitaxial stabilization of a low-symmetry ferroelectric with enhanced electromechanical response. <i>Nature Materials</i> , 2022, 21, 74-80.	13.3	35
15	Exosome trapping and enrichment using a sound wave activated nano-sieve (SWANS). <i>Lab on A Chip</i> , 2020, 20, 3633-3643.	3.1	29
16	The host exosome pathway underpins biogenesis of the human cytomegalovirus virion. <i>ELife</i> , 2020, 9, .	2.8	27
17	Versatile platform for performing protocols on a chip utilizing surface acoustic wave (SAW) driven mixing. <i>Lab on A Chip</i> , 2019, 19, 262-271.	3.1	25
18	<i>In Vitro</i> Assembly of Virus-Like Particles of a Gammaretrovirus, the Murine Leukemia Virus XMRV. <i>Journal of Virology</i> , 2012, 86, 1297-1306.	1.5	24

#	ARTICLE	IF	CITATIONS
19	Three-dimensional imaging on a chip using optofluidics light-sheet fluorescence microscopy. <i>Lab on A Chip</i> , 2021, 21, 2945-2954.	3.1	24
20	Development of a low-energy x-ray fluorescence system with sub-micrometer spatial resolution. <i>X-Ray Spectrometry</i> , 2009, 38, 205-209.	0.9	23
21	The Nucleocapsid Domain of Gag Is Dispensable for Actin Incorporation into HIV-1 and for Association of Viral Budding Sites with Cortical F-Actin. <i>Journal of Virology</i> , 2014, 88, 7893-7903.	1.5	23
22	Intragenic transcriptional cis-activation of the human immunodeficiency virus 1 does not result in allele-specific inhibition of the endogenous gene. <i>Retrovirology</i> , 2008, 5, 98.	0.9	22
23	Subcellular localization of the interaction between the human immunodeficiency virus transactivator Tat and the nucleosome assembly protein 1. <i>Amino Acids</i> , 2010, 38, 1583-1593.	1.2	20
24	Fabrication of glass microlenses using focused Xe beam. <i>Optics Express</i> , 2018, 26, 13647.	1.7	17
25	Cryo-electron tomography: an ideal method to study membrane-associated proteins. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160210.	1.8	16
26	Ultimate limitations in the performance of kinoform lenses for hard x-ray focusing. <i>Optica</i> , 2019, 6, 790.	4.8	13
27	Axilenses: Refractive micro-optical elements with arbitrary exponential profiles. <i>APL Photonics</i> , 2020, 5, .	3.0	11
28	Weaving nanostructures with site-specific ion induced bidirectional bending. <i>Nanoscale Advances</i> , 2019, 1, 3067-3077.	2.2	10
29	Refractive micro-lenses and micro-axicons in single-crystal lithium niobate. <i>Optics Express</i> , 2018, 26, 32324.	1.7	9
30	Correlation of live-cell imaging with volume scanning electron microscopy. <i>Methods in Cell Biology</i> , 2017, 140, 123-148.	0.5	8
31	Tailoring surface acoustic wave atomisation for cryo-electron microscopy sample preparation. <i>Lab on A Chip</i> , 2019, 19, 1378-1385.	3.1	6
32	Capacitive Sensing for Monitoring of Microfluidic Protocols Using Nanoliter Dispensing and Acoustic Mixing. <i>Analytical Chemistry</i> , 2020, 92, 10725-10732.	3.2	6
33	Development of a low-energy X-ray fluorescence system combined with X-ray microscopy. <i>Journal of Physics: Conference Series</i> , 2009, 186, 012007.	0.3	5
34	Recent advances in retroviruses via cryo-electron microscopy. <i>Retrovirology</i> , 2018, 15, 23.	0.9	5
35	New Insights Into Sperm Ultrastructure Through Enhanced Scanning Electron Microscopy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 672592.	1.8	5
36	Hybrid refractive-diffractive axicons for Bessel-beam multiplexing and resolution improvement. <i>Optics Express</i> , 2020, 28, 12174.	1.7	5

#	ARTICLE	IF	CITATIONS
37	Hybrid refractive-diffractive microlenses in glass by focused Xe ion beam. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2019, 37, 051601.	0.6	4
38	Nanofluidic and monolithic environmental cells for cryogenic microscopy. Nanotechnology, 2019, 30, 085301.	1.3	4
39	Assembly and Imaging Set up of PIE-Scope. Bio-protocol, 2020, 10, e3768.	0.2	4
40	Ion Induced Bidirectional Bending for Controlled Manipulation at Nanoscale. Microscopy and Microanalysis, 2019, 25, 852-853.	0.2	1
41	Structural Biology of HIV Assembly. , 2013, , 1-22.		1
42	Self-aligned structures by a single-step through-membrane 100-keV electron beam lithography. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2019, 37, 051602.	0.6	0
43	Democratising in situ structural biology: when a field becomes a tool. Microscopy and Microanalysis, 2021, 27, 2088-2088.	0.2	0
44	Ultradeep microaxicons in lithium niobate by focused Xe ion beam milling. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2021, 39, 052602.	0.6	0