

Johannes Preiner

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5628700/publications.pdf>

Version: 2024-02-01

30
papers

1,462
citations

361045

20
h-index

500791

28
g-index

35
all docs

35
docs citations

35
times ranked

2265
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissociation of \hat{I}^{2m} from MHC class I triggers formation of noncovalent transient heavy chain dimers. <i>Journal of Cell Science</i> , 2022, 135, .	1.2	6
2	DNA origami demonstrate the unique stimulatory power of single pMHCs as T cell antigens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	63
3	Staphylococcal protein A inhibits complement activation by interfering with IgG hexamer formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	52
4	C1q binding to surface-bound IgG is stabilized by C1r ₂ s ₂ proteases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	32
5	Label-free characterization of an extracellular vesicle-based therapeutic. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12156.	5.5	22
6	Weak Fragment Crystallizable (Fc) Domain Interactions Drive the Dynamic Assembly of IgG Oligomers upon Antigen Recognition. <i>ACS Nano</i> , 2020, 14, 2739-2750.	7.3	36
7	Interaction of the motor protein SecA and the bacterial protein translocation channel SecYEG in the absence of ATP. <i>Nanoscale Advances</i> , 2020, 2, 3431-3443.	2.2	6
8	Spatial Requirements for T-Cell Receptor Triggering Probed via Functionalized DNA Origami Platforms. <i>Biophysical Journal</i> , 2020, 118, 245a.	0.2	4
9	Force Field Comparison of GM1 in a DOPC Bilayer Validated with AFM and FRET Experiments. <i>Journal of Physical Chemistry B</i> , 2019, 123, 7504-7517.	1.2	8
10	Unraveling the Macromolecular Pathways of IgG Oligomerization and Complement Activation on Antigenic Surfaces. <i>Nano Letters</i> , 2019, 19, 4787-4796.	4.5	79
11	Receptor-Independent Transfer of Low Density Lipoprotein Cargo to Biomembranes. <i>Nano Letters</i> , 2019, 19, 2562-2567.	4.5	23
12	Tuning membrane protein mobility by confinement into nanodomains. <i>Nature Nanotechnology</i> , 2017, 12, 260-266.	15.6	34
13	HDL particles incorporate into lipid bilayers – a combined AFM and single molecule fluorescence microscopy study. <i>Scientific Reports</i> , 2017, 7, 15886.	1.6	29
14	The mobility of single-file water molecules is governed by the number of H-bonds they may form with channel-lining residues. <i>Science Advances</i> , 2015, 1, e1400083.	4.7	135
15	Cell surface localised Hsp70 is a cancer specific regulator of clathrin-independent endocytosis. <i>FEBS Letters</i> , 2015, 589, 2747-2753.	1.3	37
16	High-Speed AFM Images of Thermal Motion Provide Stiffness Map of Interfacial Membrane Protein Moieties. <i>Nano Letters</i> , 2015, 15, 759-763.	4.5	49
17	IgGs are made for walking on bacterial and viral surfaces. <i>Nature Communications</i> , 2014, 5, 4394.	5.8	97
18	HDL-Lipid Uptake is Regulated by Elastic Properties of the Plasma Membrane. <i>Biophysical Journal</i> , 2014, 106, 392a.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Nanomechanical recognition measurements of individual DNA molecules reveal epigenetic methylation patterns. <i>Nature Nanotechnology</i> , 2010, 5, 788-791.	15.6	59
20	Topography and Recognition Imaging of Proteinâ€Patterned Surfaces Generated by AFM Nanolithography. <i>ChemPhysChem</i> , 2009, 10, 1478-1481.	1.0	11
21	Second harmonic atomic force microscopy imaging of live and fixed mammalian cells. <i>Ultramicroscopy</i> , 2009, 109, 1056-1060.	0.8	24
22	Simultaneous topography and recognition imaging: physical aspects and optimal imaging conditions. <i>Nanotechnology</i> , 2009, 20, 215103.	1.3	53
23	Probing the Energy Landscape of Protein-Binding Reactions by Dynamic Force Spectroscopy. , 2009, , 407-447.		5
24	Atomic Force Microscopyâ€Derived Nanoscale Chip for the Detection of Human Pathogenic Viruses. <i>Small</i> , 2008, 4, 847-854.	5.2	17
25	Fabrication of Highly Ordered Gold Nanoparticle Arrays Templated by Crystalline Lattices of Bacterial Sâ€Layer Protein. <i>ChemPhysChem</i> , 2008, 9, 2317-2320.	1.0	31
26	Proliferation of aligned mammalian cells on laser-nanostructured polystyrene. <i>Biomaterials</i> , 2008, 29, 1796-1806.	5.7	219
27	The role of oxygen termination of nanocrystalline diamond on immobilisation of BMP-2 and subsequent bone formation. <i>Biomaterials</i> , 2008, 29, 2433-2442.	5.7	90
28	The surface properties of nanocrystalline diamond and nanoparticulate diamond powder and their suitability as cell growth support surfaces. <i>Biomaterials</i> , 2008, 29, 4275-4284.	5.7	96
29	Free Energy of Membrane Protein Unfolding Derived from Single-Molecule Force Measurements. <i>Biophysical Journal</i> , 2007, 93, 930-937.	0.2	45
30	Higher Harmonic Atomic Force Microscopy: Imaging of Biological Membranes in Liquid. <i>Physical Review Letters</i> , 2007, 99, 046102.	2.9	93