Johannes Preiner

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Dissociation of β2m from MHC class I triggers formation of noncovalent transient heavy chain dimers. Journal of Cell Science, 2022, 135, .	2.0	6
2	DNA origami demonstrate the unique stimulatory power of single pMHCs as T cell antigens. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	63
3	Staphylococcal protein A inhibits complement activation by interfering with IgG hexamer formation. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	52
4	C1q binding to surface-bound IgG is stabilized by C1r ₂ s ₂ proteases. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	32
5	Labelâ€free characterization of an extracellular vesicleâ€based therapeutic. Journal of Extracellular Vesicles, 2021, 10, e12156.	12.2	22
6	Weak Fragment Crystallizable (Fc) Domain Interactions Drive the Dynamic Assembly of IgG Oligomers upon Antigen Recognition. ACS Nano, 2020, 14, 2739-2750.	14.6	36
7	Interaction of the motor protein SecA and the bacterial protein translocation channel SecYEG in the absence of ATP. Nanoscale Advances, 2020, 2, 3431-3443.	4.6	6
8	Spatial Requirements for T-Cell Receptor Triggering Probed via Functionalized DNA Origami Platforms. Biophysical Journal, 2020, 118, 245a.	0.5	4
9	Force Field Comparison of GM1 in a DOPC Bilayer Validated with AFM and FRET Experiments. Journal of Physical Chemistry B, 2019, 123, 7504-7517.	2.6	8
10	Unraveling the Macromolecular Pathways of IgG Oligomerization and Complement Activation on Antigenic Surfaces. Nano Letters, 2019, 19, 4787-4796.	9.1	79
11	Receptor-Independent Transfer of Low Density Lipoprotein Cargo to Biomembranes. Nano Letters, 2019, 19, 2562-2567.	9.1	23
12	Tuning membrane protein mobility by confinement into nanodomains. Nature Nanotechnology, 2017, 12, 260-266.	31.5	34
13	HDL particles incorporate into lipid bilayers – a combined AFM and single molecule fluorescence microscopy study. Scientific Reports, 2017, 7, 15886.	3.3	29
14	The mobility of single-file water molecules is governed by the number of H-bonds they may form with channel-lining residues. Science Advances, 2015, 1, e1400083.	10.3	135
15	Cell surface localised Hsp70 is a cancer specific regulator of clathrinâ€independent endocytosis. FEBS Letters, 2015, 589, 2747-2753.	2.8	37
16	High-Speed AFM Images of Thermal Motion Provide Stiffness Map of Interfacial Membrane Protein Moieties. Nano Letters, 2015, 15, 759-763.	9.1	49
17	IgGs are made for walking on bacterial and viral surfaces. Nature Communications, 2014, 5, 4394.	12.8	97
18	HDL-Lipid Uptake is Regulated by Elastic Properties of the Plasma Membrane. Biophysical Journal, 2014, 106, 392a.	0.5	0

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19	Nanomechanical recognition measurements of individual DNA molecules reveal epigenetic methylation patterns. Nature Nanotechnology, 2010, 5, 788-791.	31.5	59
20	Topography and Recognition Imaging of Proteinâ€Patterned Surfaces Generated by AFM Nanolithography. ChemPhysChem, 2009, 10, 1478-1481.	2.1	11
21	Second harmonic atomic force microscopy imaging of live and fixed mammalian cells. Ultramicroscopy, 2009, 109, 1056-1060.	1.9	24
22	Simultaneous topography and recognition imaging: physical aspects and optimal imaging conditions. Nanotechnology, 2009, 20, 215103.	2.6	53
23	Probing the Energy Landscape of Protein-Binding Reactions by Dynamic Force Spectroscopy. , 2009, , 407-447.		5
24	Atomic Force Microscopyâ€Đerived Nanoscale Chip for the Detection of Human Pathogenic Viruses. Small, 2008, 4, 847-854.	10.0	17
25	Fabrication of Highly Ordered Cold Nanoparticle Arrays Templated by Crystalline Lattices of Bacterial Sâ€Layer Protein. ChemPhysChem, 2008, 9, 2317-2320.	2.1	31
26	Proliferation of aligned mammalian cells on laser-nanostructured polystyrene. Biomaterials, 2008, 29, 1796-1806.	11.4	219
27	The role of oxygen termination of nanocrystalline diamond on immobilisation of BMP-2 and subsequent bone formation. Biomaterials, 2008, 29, 2433-2442.	11.4	90
28	The surface properties of nanocrystalline diamond and nanoparticulate diamond powder and their suitability as cell growth support surfaces. Biomaterials, 2008, 29, 4275-4284.	11.4	96
29	Free Energy of Membrane Protein Unfolding Derived from Single-Molecule Force Measurements. Biophysical Journal, 2007, 93, 930-937.	0.5	45
30	Higher Harmonic Atomic Force Microscopy: Imaging of Biological Membranes in Liquid. Physical Review Letters, 2007, 99, 046102.	7.8	93