Marek Cebecauer

List of Publications by Year
in descending order

49 papers	2,241 citations	304602 22 h-index	223716 46 g-index
57 all docs	57 docs citations	57 times ranked	3718 citing authors

#	Article	IF	Citations
1	Approach to map nanotopography of cell surface receptors. Communications Biology, 2022, 5, 218.	2.0	6
2	Motif orientation matters: Structural characterization of TEAD1 recognition of genomic DNA. Structure, 2021, 29, 345-356.e8.	1.6	2
3	The role of prolines and glycine in the transmembrane domain of LAT. FEBS Journal, 2021, 288, 4039-4052.	2.2	6
4	Role of Lipids in Morphogenesis of T-Cell Microvilli. Frontiers in Immunology, 2021, 12, 613591.	2.2	10
5	Reversible Lectin Binding to Glycan-Functionalized Graphene. International Journal of Molecular Sciences, 2021, 22, 6661.	1.8	1
6	Expression and Localization of AÎ²PP in SH-SY5Y Cells Depends on Differentiation State. Journal of Alzheimer's Disease, 2021, 82, 485-491.	1.2	9
7	CD8 Binding of MHC-Peptide Complexes in cis or trans Regulates CD8+ T-cell Responses. Journal of Molecular Biology, 2019, 431, 4941-4958.	2.0	7
8	Oligomeric Architecture of Mouse Activating Nkrp1 Receptors on Living Cells. International Journal of Molecular Sciences, 2019, 20, 1884.	1.8	11
9	Dual Role of CD4 in Peripheral T Lymphocytes. Frontiers in Immunology, 2019, 10, 618.	2.2	35
10	Surface Roughness and Palmitoylation of Transmembrane Helices Influence Membrane Structure and Dynamics. Biophysical Journal, 2019, 116, 89a.	0.2	1
11	Arginine-rich cell-penetrating peptides induce membrane multilamellarity and subsequently enter via formation of a fusion pore. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 11923-11928.	3.3	168
12	Roughness of Transmembrane Helices Reduces Lipid Membrane Dynamics. IScience, 2018, 10, 87-97.	1.9	14
13	Membrane Lipid Nanodomains. Chemical Reviews, 2018, 118, 11259-11297.	23.0	152
14	Evaluation of lipid peroxidation by the analysis of volatile aldehydes in the headspace of synthetic membranes using selected ion flow tube mass spectrometry. Rapid Communications in Mass Spectrometry, 2018, 32, 1617-1628.	0.7	11
15	Proton-Gradient-Driven Oriented Motion of Nanodiamonds Grafted to Graphene by Dynamic Covalent Bonds. ACS Nano, 2018, 12, 7141-7147.	7.3	17
16	Impact of GM1 on Membrane-Mediated Aggregation/Oligomerization of Î²-Amyloid: Unifying View. Biophysical Journal, 2017, 113, 1194-1199.	0.2	40
17	Quantifying protein densities on cell membranes using super-resolution optical fluctuation imaging. Nature Communications, 2017, 8, 1731.	5.8	43
18	Editorial: Molecular Organization of Membranes: Where Biology Meets Biophysics. Frontiers in Cell and Developmental Biology, 2017, 5, 113.	1.8	2

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19	The role of palmitoylation and transmembrane domain in sorting of transmembrane adaptor proteins. Journal of Cell Science, 2016, 129, 95-107.	1.2	20
20	There Is No Simple Model of the Plasma Membrane Organization. Frontiers in Cell and Developmental Biology, 2016, 4, 106.	1.8	139
21	Lipophilic Fluorescent Probes: Guides to the Complexity of Lipid Membranes. , 2016, , 367-392.		0
22	A Rotational BODIPY Nucleotide: An Environmentâ€Sensitive Fluorescenceâ€Lifetime Probe for DNA Interactions and Applications in Liveâ€Cell Microscopy. Angewandte Chemie - International Edition, 2016, 55, 174-178.	7.2	103
23	Introduction: Membrane Properties (Good) for Life. Methods in Molecular Biology, 2015, 1232, 7-17.	0.4	2
24	Di- and tri-oxalkyl derivatives of a boron dipyrromethene (BODIPY) rotor dye in lipid bilayers. Physical Chemistry Chemical Physics, 2014, 16, 10688-10697.	1.3	19
25	Peripheral and Integral Membrane Binding of Peptides Characterized by Time-Dependent Fluorescence Shifts: Focus on Antimicrobial Peptide LAH₄. Langmuir, 2014, 30, 6171-6179.	1.6	24
26	Lipids and proteins in membranes: Fromin silicotoin vivo. Molecular Membrane Biology, 2012, 29, 115-117.	2.0	1
27	Advanced Imaging of Cellular Signaling Events. Methods in Enzymology, 2012, 505, 273-289.	0.4	4
28	Dynamics and Size of Cross-Linking-Induced Lipid Nanodomains in Model Membranes. Biophysical Journal, 2012, 102, 2104-2113.	0.2	55
29	Dynamics and Size of Crosslinking-Induced Lipid Nanodomains in Model Membranes. Biophysical Journal, 2012, 102, 294a.	0.2	0
30	DHHC2 is a protein<i>S</i>-acyltransferase for Lck. Molecular Membrane Biology, 2011, 28, 473-486.	2.0	23
31	Dynamic organization of lymphocyte plasma membrane: lessons from advanced imaging methods. Immunology, 2010, 131, 1-8.	2.0	20
32	Signalling complexes and clusters: functional advantages and methodological hurdles. Journal of Cell Science, 2010, 123, 309-320.	1.2	116
33	High plasma membrane lipid order imaged at the immunological synapse periphery in live T cells. Molecular Membrane Biology, 2010, 27, 178-189.	2.0	73
34	Lipid order and molecular assemblies in the plasma membrane of eukaryotic cells. Biochemical Society Transactions, 2009, 37, 1056-1060.	1.6	11
35	Activation of the Hedgehog signaling pathway in T-lineage cells inhibits TCR repertoire selection in the thymus and peripheral T-cell activation. Blood, 2007, 109, 3757-3766.	0.6	78
36	Soluble MHC-Peptide Complexes Containing Long Rigid Linkers Abolish CTL-Mediated Cytotoxicity. Journal of Immunology, 2006, 176, 3356-3365.	0.4	21

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37	Altered NKG2D function in NK cells induced by chronic exposure to NKG2D ligandâ€“expressing tumor cells. Blood, 2005, 106, 1711-1717.	0.6	200
38	Mass spectrometric analysis of the glycosphingolipid-enriched microdomains of rat natural killer cells. Proteomics, 2005, 5, 113-122.	1.3	31
39	CD8+ Cytotoxic T Lymphocyte Activation by Soluble Major Histocompatibility Complex-Peptide Dimers. Journal of Biological Chemistry, 2005, 280, 23820-23828.	1.6	49
40	Soluble MHC-Peptide Complexes Induce Rapid Death of CD8+ CTL. Journal of Immunology, 2005, 174, 6809-6819.	0.4	53
41	The Î²1 and Î²3 Integrins Promote T Cell Receptor-mediated Cytotoxic T Lymphocyte Activation. Journal of Biological Chemistry, 2003, 278, 26983-26991.	1.6	59
42	The N Terminus of Mannose 6-Phosphate/Insulin-like Growth Factor 2 Receptor in Regulation of Fibrinolysis and Cell Migration. Journal of Biological Chemistry, 2002, 277, 40575-40582.	1.6	55
43	CDw149 antibodies recognize a clustered subset of CD47 molecules associated with cytoplasmic signaling molecules. Tissue Antigens, 2000, 56, 258-267.	1.0	6
44	Phenotypic Effects of CD3Î¶ Targeting into Glycosphingolipid-Enriched Membrane Microdomains (GEMs) of T Cells. Biochemical and Biophysical Research Communications, 2000, 271, 589-595.	1.0	5
45	Human Leukocytes Contain a Large Pool of Free Forms of CD18. Biochemical and Biophysical Research Communications, 2000, 275, 295-299.	1.0	16
46	GPI-microdomains: a role in signalling via immunoreceptors. Trends in Immunology, 1999, 20, 356-361.	7.5	253
47	Signal transduction in leucocytes via GPI-anchored proteins: an experimental artefact or an aspect of immunoreceptor function?. Immunology Letters, 1998, 63, 63-73.	1.1	71
48	Incorporation of Leucocyte GPI-Anchored Proteins and Protein Tyrosine Kinases into Lipid-Rich Membrane Domains of COS-7 Cells. Biochemical and Biophysical Research Communications, 1998, 243, 706-710.	1.0	24
49	Effect of phagocytosis of pHEMA particles and of heat-killed Candida albicans on expression of carbohydrate-binding sites such as endogenous lectins in phagocytes. Biomaterials, 1996, 17, 741-744.	5.7	3