Merel J W Adjobo-Hermans

List of Publications by Year
in descending order

40 papers	1,224 citations	393982 19 h-index	377514 34 g-index
45 all docs	45 docs citations	45 times ranked	2182 citing authors

#	Article	IF	Citations
1	Plant G protein heterotrimers require dual lipidation motifs of GÎ± and GÎ³ and do not dissociate upon activation. Journal of Cell Science, 2006, 119, 5087-5097.	1.2	113
2	Fluorescence resonance energy transfer (FRET) measurement by gradual acceptor photobleaching. Journal of Microscopy, 2005, 218, 253-262.	0.8	103
3	Real-time visualization of heterotrimeric G protein Gq activation in living cells. BMC Biology, 2011, 9, 32.	1.7	83
4	Red Blood Cell Homeostasis: Mechanisms and Effects of Microvesicle Generation in Health and Disease. Frontiers in Physiology, 2018, 9, 703.	1.3	82
5	Sensitive Detection of p65 Homodimers Using Red-Shifted and Fluorescent Protein-Based FRET Couples. PLoS ONE, 2007, 2, e1011.	1.1	80
6	Mitochondrial Morphofunction in Mammalian Cells. Antioxidants and Redox Signaling, 2019, 30, 2066-2109.	2.5	75
7	Quantitative Co-Expression of Proteins at the Single Cell Level â€“ Application to a Multimeric FRET Sensor. PLoS ONE, 2011, 6, e27321.	1.1	59
8	Membrane permeation of arginine-rich cell-penetrating peptides independent of transmembrane potential as a function of lipid composition and membrane fluidity. Journal of Controlled Release, 2017, 256, 68-78.	4.8	58
9	Identification of Short Hydrophobic Cell-Penetrating Peptides for Cytosolic Peptide Delivery by Rational Design. Bioconjugate Chemistry, 2017, 28, 382-389.	1.8	41
10	Medicinal Plants Used to Treat Malaria in Southern Benin. Economic Botany, 2004, 58, S239-S252.	0.8	38
11	Detecting Cytosolic Peptide Delivery with the GFP Complementation Assay in the Low Micromolar Range. Angewandte Chemie - International Edition, 2015, 54, 15105-15108.	7.2	38
12	Quantitative Analysis of Self-Association and Mobility of Annexin A4 at the Plasma Membrane. Biophysical Journal, 2013, 104, 1875-1885.	0.2	37
13	Tetraspanin microdomains control localized protein kinase C signaling in B cells. Science Signaling, 2017, 10, .	1.6	35
14	Ndufs4 knockout mouse models of Leigh syndrome: pathophysiology and intervention. Brain, 2022, 145, 45-63.	3.7	32
15	A Perspective on Studying G-Proteinâ€“Coupled Receptor Signaling with Resonance Energy Transfer Biosensors in Living Organisms. Molecular Pharmacology, 2015, 88, 589-595.	1.0	28
16	PLCÎ² isoforms differ in their subcellular location and their CT-domain dependent interaction with GÎ±q. Cellular Signalling, 2013, 25, 255-263.	1.7	27
17	Acetylcholinesterase provides new insights into red blood cell ageing in vivo and in vitro. Blood Transfusion, 2017, 15, 232-238.	0.3	27
18	NDUFS4 deletion triggers loss of NDUFA12 in Ndufs4 mice and Leigh syndrome patients: A stabilizing role for NDUFAF2. Biochimica Et Biophysica Acta - Bioenergetics, 2020, 1861, 148213.	0.5	25

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19	Red Blood Cell Homeostasis: Pharmacological Interventions to Explore Biochemical, Morphological and Mechanical Properties. Frontiers in Molecular Biosciences, 2016, 3, 10.	1.6	20
20	The ketogenic diet as a therapeutic intervention strategy in mitochondrial disease. International Journal of Biochemistry and Cell Biology, 2021, 138, 106050.	1.2	20
21	Regulation of PLCÎ²1a membrane anchoring by its substrate phosphatidylinositol (4,5)-bisphosphate. Journal of Cell Science, 2008, 121, 3770-3777.	1.2	18
22	A FRET-based biosensor for measuring GÎ±13 activation in single cells. PLoS ONE, 2018, 13, e0193705.	1.1	18
23	Visualization of mitochondrial membrane potential in mammalian cells. Methods in Cell Biology, 2020, 155, 221-245.	0.5	18
24	M3 Muscarinic Receptor Interaction with Phospholipase C Î²3 Determines Its Signaling Efficiency. Journal of Biological Chemistry, 2014, 289, 11206-11218.	1.6	17
25	Multivalent presentation of the cell-penetrating peptide nona-arginine on a linear scaffold strongly increases its membrane-perturbing capacity. Biochimica Et Biophysica Acta - Biomembranes, 2014, 1838, 3097-3106.	1.4	17
26	Impaired primary mouse myotube formation on crosslinked type I collagen films is enhanced by laminin and entactin. Acta Biomaterialia, 2016, 30, 265-276.	4.1	16
27	Signaling efficiency of GÎ±q through its effectors p63RhoGEF and GEFT depends on their subcellular location. Scientific Reports, 2013, 3, 2284.	1.6	14
28	Neuroacanthocytosis: Observations, Theories and Perspectives on the Origin and Significance of Acanthocytes. Tremor and Other Hyperkinetic Movements, 2015, 5, 328.	1.1	10
29	Effects of a human recombinant alkaline phosphatase during impaired mitochondrial function in human renal proximal tubule epithelial cells. European Journal of Pharmacology, 2017, 796, 149-157.	1.7	9
30	Red Blood Cell Homeostasis and Altered Vesicle Formation in Patients With Paroxysmal Nocturnal Hemoglobinuria. Frontiers in Physiology, 2019, 10, 578.	1.3	9
31	Linear Peptides in Intracellular Applications. Current Medicinal Chemistry, 2017, 24, 1862-1873.	1.2	9
32	Analyzing the Homeostasis of Signaling Proteins by a Combination of Western Blot and Fluorescence Correlation Spectroscopy. Biophysical Journal, 2011, 101, 2807-2815.	0.2	7
33	Modulation of Orai1 by cationic peptides triggers their direct cytosolic uptake. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183155.	1.4	6
34	The impact of circulation in a heartâ€“lung machine on function and survival characteristics of red blood cells. Artificial Organs, 2020, 44, 892-899.	1.0	6
35	Peptide microarrays to probe for competition for binding sites in a protein interaction network. Journal of Proteomics, 2013, 89, 71-80.	1.2	5
36	A Quantitative Assessment of Costimulation and Phosphatase Activity on Microclusters in Early T Cell Signaling. PLoS ONE, 2013, 8, e79277.	1.1	4

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37	A Peptideâ€Functionalized Polymer as a Minimal Scaffold Protein To Enhance Cluster Formation in Early T Cell Signal Transduction. ChemBioChem, 2015, 16, 602-610.	1.3	1
38	A microarray-based approach to evaluate the functional significance of protein-binding motifs. Analytical and Bioanalytical Chemistry, 2016, 408, 3177-3184.	1.9	1
39	GqPCR-mediated Signalling in the Spotlight: From Visualization Towards Dissection and Quantification. Current Pharmaceutical Biotechnology, 2014, 15, 893-915.	0.9	1
40	Fast Reversibility of Dimeriser System Enables Quantification of Signal Molecule Turnover. ChemBioChem, 2014, 15, 2037-2039.	1.3	0