

# Merel J W Adjobo-Hermans

## List of Publications by Year in descending order

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Version: 2024-02-01

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	<i>Ndufs4</i> knockout mouse models of Leigh syndrome: pathophysiology and intervention. <i>Brain</i> , 2022, 145, 45-63.	3.7	32
2	The ketogenic diet as a therapeutic intervention strategy in mitochondrial disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2021, 138, 106050.	1.2	20
3	Modulation of Orai1 by cationic peptides triggers their direct cytosolic uptake. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2020, 1862, 183155.	1.4	6
4	The impact of circulation in a heart-lung machine on function and survival characteristics of red blood cells. <i>Artificial Organs</i> , 2020, 44, 892-899.	1.0	6
5	Visualization of mitochondrial membrane potential in mammalian cells. <i>Methods in Cell Biology</i> , 2020, 155, 221-245.	0.5	18
6	NDUFS4 deletion triggers loss of NDUFA12 in <i>Ndufs4</i> mice and Leigh syndrome patients: A stabilizing role for NDUFAF2. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2020, 1861, 148213.	0.5	25
7	Red Blood Cell Homeostasis and Altered Vesicle Formation in Patients With Paroxysmal Nocturnal Hemoglobinuria. <i>Frontiers in Physiology</i> , 2019, 10, 578.	1.3	9
8	Mitochondrial Morphofunction in Mammalian Cells. <i>Antioxidants and Redox Signaling</i> , 2019, 30, 2066-2109.	2.5	75
9	A FRET-based biosensor for measuring $\text{Ca}^{2+}$ activation in single cells. <i>PLoS ONE</i> , 2018, 13, e0193705.	1.1	18
10	Red Blood Cell Homeostasis: Mechanisms and Effects of Microvesicle Generation in Health and Disease. <i>Frontiers in Physiology</i> , 2018, 9, 703.	1.3	82
11	Membrane permeation of arginine-rich cell-penetrating peptides independent of transmembrane potential as a function of lipid composition and membrane fluidity. <i>Journal of Controlled Release</i> , 2017, 256, 68-78.	4.8	58
12	Tetraspanin microdomains control localized protein kinase C signaling in B cells. <i>Science Signaling</i> , 2017, 10, .	1.6	35
13	Effects of a human recombinant alkaline phosphatase during impaired mitochondrial function in human renal proximal tubule epithelial cells. <i>European Journal of Pharmacology</i> , 2017, 796, 149-157.	1.7	9
14	Identification of Short Hydrophobic Cell-Penetrating Peptides for Cytosolic Peptide Delivery by Rational Design. <i>Bioconjugate Chemistry</i> , 2017, 28, 382-389.	1.8	41
15	Linear Peptides in Intracellular Applications. <i>Current Medicinal Chemistry</i> , 2017, 24, 1862-1873.	1.2	9
16	Acetylcholinesterase provides new insights into red blood cell ageing in vivo and in vitro. <i>Blood Transfusion</i> , 2017, 15, 232-238.	0.3	27
17	Red Blood Cell Homeostasis: Pharmacological Interventions to Explore Biochemical, Morphological and Mechanical Properties. <i>Frontiers in Molecular Biosciences</i> , 2016, 3, 10.	1.6	20
18	A microarray-based approach to evaluate the functional significance of protein-binding motifs. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3177-3184.	1.9	1

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19	Impaired primary mouse myotube formation on crosslinked type I collagen films is enhanced by laminin and entactin. <i>Acta Biomaterialia</i> , 2016, 30, 265-276.	4.1	16
20	Detecting Cytosolic Peptide Delivery with the GFP Complementation Assay in the Low Micromolar Range. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15105-15108.	7.2	38
21	A Peptide-Functionalized Polymer as a Minimal Scaffold Protein To Enhance Cluster Formation in Early T Cell Signal Transduction. <i>ChemBioChem</i> , 2015, 16, 602-610.	1.3	1
22	A Perspective on Studying G-Protein-Coupled Receptor Signaling with Resonance Energy Transfer Biosensors in Living Organisms. <i>Molecular Pharmacology</i> , 2015, 88, 589-595.	1.0	28
23	Neuroacanthocytosis: Observations, Theories and Perspectives on the Origin and Significance of Acanthocytes. <i>Tremor and Other Hyperkinetic Movements</i> , 2015, 5, 328.	1.1	10
24	M3 Muscarinic Receptor Interaction with Phospholipase C $\beta$ 3 Determines Its Signaling Efficiency. <i>Journal of Biological Chemistry</i> , 2014, 289, 11206-11218.	1.6	17
25	Fast Reversibility of Dimeriser System Enables Quantification of Signal Molecule Turnover. <i>ChemBioChem</i> , 2014, 15, 2037-2039.	1.3	0
26	Multivalent presentation of the cell-penetrating peptide nona-arginine on a linear scaffold strongly increases its membrane-perturbing capacity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 3097-3106.	1.4	17
27	GqPCR-mediated Signalling in the Spotlight: From Visualization Towards Dissection and Quantification. <i>Current Pharmaceutical Biotechnology</i> , 2014, 15, 893-915.	0.9	1
28	PLC $\beta$ 2 isoforms differ in their subcellular location and their CT-domain dependent interaction with G $\beta$ q. <i>Cellular Signalling</i> , 2013, 25, 255-263.	1.7	27
29	Peptide microarrays to probe for competition for binding sites in a protein interaction network. <i>Journal of Proteomics</i> , 2013, 89, 71-80.	1.2	5
30	Quantitative Analysis of Self-Association and Mobility of Annexin A4 at the Plasma Membrane. <i>Biophysical Journal</i> , 2013, 104, 1875-1885.	0.2	37
31	Signaling efficiency of G $\beta$ q through its effectors p38 $\alpha$ and GEF2 depends on their subcellular location. <i>Scientific Reports</i> , 2013, 3, 2284.	1.6	14
32	A Quantitative Assessment of Costimulation and Phosphatase Activity on Microclusters in Early T Cell Signaling. <i>PLoS ONE</i> , 2013, 8, e79277.	1.1	4
33	Analyzing the Homeostasis of Signaling Proteins by a Combination of Western Blot and Fluorescence Correlation Spectroscopy. <i>Biophysical Journal</i> , 2011, 101, 2807-2815.	0.2	7
34	Real-time visualization of heterotrimeric G protein Gq activation in living cells. <i>BMC Biology</i> , 2011, 9, 32.	1.7	83
35	Quantitative Co-Expression of Proteins at the Single Cell Level - Application to a Multimeric FRET Sensor. <i>PLoS ONE</i> , 2011, 6, e27321.	1.1	59
36	Regulation of PLC $\beta$ 1a membrane anchoring by its substrate phosphatidylinositol (4,5)-bisphosphate. <i>Journal of Cell Science</i> , 2008, 121, 3770-3777.	1.2	18

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37	Sensitive Detection of p65 Homodimers Using Red-Shifted and Fluorescent Protein-Based FRET Couples. PLoS ONE, 2007, 2, e1011.	1.1	80
38	Plant G protein heterotrimers require dual lipidation motifs of G $\alpha$ and G $\beta$ and do not dissociate upon activation. Journal of Cell Science, 2006, 119, 5087-5097.	1.2	113
39	Fluorescence resonance energy transfer (FRET) measurement by gradual acceptor photobleaching. Journal of Microscopy, 2005, 218, 253-262.	0.8	103
40	Medicinal Plants Used to Treat Malaria in Southern Benin. Economic Botany, 2004, 58, S239-S252.	0.8	38