

# Alfons Lawen

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,206  
citations

279798

23  
h-index

223800

46  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2669  
citing authors

#	ARTICLE	IF	CITATIONS
1	Endothelial Cell Plasma Membrane Biomechanics Mediates Effects of Pro-Inflammatory Factors on Endothelial Mechanosensors: Vicious Circle Formation in Atherogenic Inflammation. <i>Membranes</i> , 2022, 12, 205.	3.0	5
2	Pleiotropic and Potentially Beneficial Effects of Reactive Oxygen Species on the Intracellular Signaling Pathways in Endothelial Cells. <i>Antioxidants</i> , 2021, 10, 904.	5.1	2
3	Two Motors and One Spring: Hypothetic Roles of Non-Muscle Myosin II and Submembrane Actin-Based Cytoskeleton in Cell Volume Sensing. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7967.	4.1	3
4	Integration of intracellular signaling: Biological analogues of wires, processors and memories organized by a centrosome 3D reference system. <i>BioSystems</i> , 2018, 173, 191-206.	2.0	13
5	Bayesian model of signal rewiring reveals mechanisms of gene dysregulation in acquired drug resistance in breast cancer. <i>PLoS ONE</i> , 2017, 12, e0173331.	2.5	11
6	Prediction of signaling cross-talks contributing to acquired drug resistance in breast cancer cells by Bayesian statistical modeling. <i>BMC Systems Biology</i> , 2015, 9, 2.	3.0	16
7	Biosynthesis of cyclosporins and other natural peptidyl prolyl cis/trans isomerase inhibitors. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 2111-2120.	2.4	18
8	Effects of Oxygen Depletion on Transmembrane Protein Activities. <i>Current Organic Chemistry</i> , 2015, 19, 2002-2010.	1.6	3
9	Is erythroferrone finally the long sought-after systemic erythroid regulator of iron?. <i>World Journal of Biological Chemistry</i> , 2015, 6, 78.	4.3	8
10	Cyclosporines: Biosynthesis and Beyond. <i>Fungal Biology</i> , 2014, , 65-88.	0.6	3
11	A Rapid and Specific Microplate Assay for the Determination of Intra- and Extracellular Ascorbate in Cultured Cells. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	1
12	The Glutamate Aspartate Transporter (GLAST) Mediates l-Glutamate-Stimulated Ascorbate-Release Via Swelling-Activated Anion Channels in Cultured Neonatal Rodent Astrocytes. <i>Cell Biochemistry and Biophysics</i> , 2013, 65, 107-119.	1.8	32
13	Mammalian Iron Homeostasis in Health and Disease: Uptake, Storage, Transport, and Molecular Mechanisms of Action. <i>Antioxidants and Redox Signaling</i> , 2013, 18, 2473-2507.	5.4	172
14	Inactivation of astrocytic glutamine synthetase by hydrogen peroxide requires iron. <i>Neuroscience Letters</i> , 2011, 490, 27-30.	2.1	19
15	Characterization of the N-Methyltransferase Activities of the Multifunctional Polypeptide Cyclosporin Synthetase. <i>Chemistry and Biology</i> , 2011, 18, 464-475.	6.0	21
16	A role for Na <sup>+</sup> /H <sup>+</sup> exchangers and intracellular pH in regulating vitamin C-driven electron transport across the plasma membrane. <i>Biochemical Journal</i> , 2010, 428, 191-200.	3.7	15
17	Voltage-dependent anion-selective channel (VDAC) in the plasma membrane. <i>FEBS Letters</i> , 2010, 584, 1793-1799.	2.8	144
18	Inhibition of A $\beta$ aggregation and neurotoxicity by the 39 kDa receptor-associated protein. <i>Journal of Neurochemistry</i> , 2010, 112, 1199-1209.	3.9	7

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19	Neurones express glutamine synthetase when deprived of glutamine or interaction with astrocytes. <i>Journal of Neurochemistry</i> , 2010, 114, 1527-1536.	3.9	21
20	Two routes of iron accumulation in astrocytes: ascorbate-dependent ferrous iron uptake via the divalent metal transporter (DMT1) plus an independent route for ferric iron. <i>Biochemical Journal</i> , 2010, 432, 123-132.	3.7	88
21	Ascorbate and plasma membrane electron transportâ€”Enzymes vs efflux. <i>Free Radical Biology and Medicine</i> , 2009, 47, 485-495.	2.9	68
22	Targeting mitochondrial permeability in cancer drug development. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 76-86.	3.3	32
23	A highly sensitive colorimetric microplate ferrocyanide assay applied to ascorbate-stimulated transplasma membrane ferricyanide reduction and mitochondrial succinate oxidation. <i>Analytical Biochemistry</i> , 2008, 373, 287-295.	2.4	19
24	Transplasma membrane electron transport comes in two flavors. <i>BioFactors</i> , 2008, 34, 191-200.	5.4	24
25	Non-transferrin Iron Reduction and Uptake Are Regulated by Transmembrane Ascorbate Cycling in K562 Cells. <i>Journal of Biological Chemistry</i> , 2008, 283, 12701-12708.	3.4	47
26	Transplasma membrane electron transport comes in two flavors. <i>BioFactors</i> , 2008, 34, 191-200.	5.4	9
27	Another piece of the puzzle of apoptotic cytochrome c release. <i>Molecular Microbiology</i> , 2007, 66, 553-556.	2.5	8
28	An improved purification procedure for cyclosporin synthetase. <i>Protein Expression and Purification</i> , 2006, 45, 275-287.	1.3	9
29	Mitocans: Mitochondrial Targeted Anti-Cancer Drugs as Improved Therapies and Related Patent Documents. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2006, 1, 327-346.	1.6	86
30	Voltage-dependent anion-selective channel 1 (VDAC1)â€”a mitochondrial protein, rediscovered as a novel enzyme in the plasma membrane. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 277-282.	2.8	62
31	VDAC1 Is a Transplasma Membrane NADH-Ferricyanide Reductase. <i>Journal of Biological Chemistry</i> , 2004, 279, 4811-4819.	3.4	141
32	Plasma membrane NADHâ€”oxidoreductase in cells carrying mitochondrial DNA G11778A mutation and in cells devoid of mitochondrial DNA ( $\lambda$ sup>0</sup>). <i>BioFactors</i> , 2004, 20, 189-198.	5.4	9
33	Characterization of VDAC1 as a plasma membrane NADHâ€”oxidoreductase. <i>BioFactors</i> , 2004, 21, 215-221.	5.4	21
34	Novel effects on memory observed following unilateral intracranial administration of okadaic acid, cyclosporin A, FK506 and [MeVal4]CyA. <i>Brain Research</i> , 2003, 988, 56-68.	2.2	13
35	Apoptosisâ€”an introduction. <i>BioEssays</i> , 2003, 25, 888-896.	2.5	381
36	Bioethics needs a distinct voice if it is to aid science. <i>Nature</i> , 2003, 425, 763-763.	27.8	0

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37	Non-ribosomal peptide synthetases as technological platforms for the synthesis of highly modified peptide bioeffectors – Cyclosporin synthetase as a complex example. <i>Biotechnology Annual Review</i> , 2003, 9, 151-197.	2.1	22
38	Involvement of Reactive Oxygen Species in Capsaicinoid-induced Apoptosis in Transformed Cells. <i>Free Radical Research</i> , 2003, 37, 611-619.	3.3	46
39	Mapping and Molecular Modeling of S-Adenosyl-L-methionine Binding Sites in N-Methyltransferase Domains of the Multifunctional Polypeptide Cyclosporin Synthetase. <i>Journal of Biological Chemistry</i> , 2003, 278, 1137-1148.	3.4	22
40	Transplasma membrane electron transport: enzymes involved and biological function. <i>Redox Report</i> , 2003, 8, 3-21.	4.5	71
41	Photoaffinity Labeling of the N-methyltransferase Domains of Cyclosporin Synthetase. <i>Photochemistry and Photobiology</i> , 2003, 77, 129-137.	2.5	1
42	Photoaffinity Labeling of the N-methyltransferase Domains of Cyclosporin Synthetase. <i>Photochemistry and Photobiology</i> , 2003, 77, 129.	2.5	7
43	New functions of an old protein: the eukaryotic porin or voltage dependent anion selective channel (VDAC). <i>Italian Journal of Biochemistry</i> , 2003, 52, 17-24.	0.3	29
44	Cyclosporin A, FK506 and rapamycin produce multiple, temporally distinct, effects on memory following single-trial, passive avoidance training in the chick. <i>Brain Research</i> , 2002, 927, 180-194.	2.2	18
45	Mitochondrial cytochrome c release is caspase-dependent and does not involve mitochondrial permeability transition in didemnin B-induced apoptosis. <i>Oncogene</i> , 2001, 20, 4085-4094.	5.9	37
46	Plasma Membrane NADH-Oxidoreductase System: A Critical Review of the Structural and Functional Data. <i>Antioxidants and Redox Signaling</i> , 2000, 2, 197-212.	5.4	52
47	Rapamycin inhibits didemnin B-induced apoptosis in human HL-60 cells: Evidence for the possible involvement of FK506-binding protein 25. <i>Immunology and Cell Biology</i> , 1999, 77, 242-248.	2.3	27
48	Unspecific activation of caspases during the induction of apoptosis by didemnin B in human cell lines. <i>Journal of Cellular Biochemistry</i> , 1999, 72, 269-278.	2.6	12
49	Changes in phosphorylation of Ca <sup>2+</sup> /calmodulin-dependent protein kinase II (CaMKII) in processing of short-term and long-term memories after passive avoidance learning. <i>Journal of Neuroscience Research</i> , 1999, 55, 557-568.	2.9	20
50	Peptidyl-prolyl-cis/trans -isomerase activity may be necessary for memory formation. <i>FEBS Letters</i> , 1998, 431, 386-390.	2.8	25
51	Reversible denaturation of cyclosporin synthetase by urea. <i>FEBS Letters</i> , 1996, 380, 157-160.	2.8	3
52	2 Biosynthesis and Mechanism of Action of Cyclosporins. <i>Progress in Medicinal Chemistry</i> , 1996, 33, 53-97.	10.4	25
53	Cyclosporin A, an inhibitor of calcineurin, impairs memory formation in day-old chicks. <i>Brain Research</i> , 1996, 730, 107-117.	2.2	41
54	Effectors of the mammalian plasma membrane NADH-oxidoreductase system. Short-chain ubiquinone analogues as potent stimulators. <i>Journal of Bioenergetics and Biomembranes</i> , 1996, 28, 531-540.	2.3	47

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55	Cyclosporin synthetase is a 1.4 MDa multienzyme polypeptide Re-evaluation of the molecular mass of various peptide synthetases. FEBS Letters, 1992, 307, 355-360.	2.8	45
56	Isolation and Partial Characterization of Cyclosporin Synthetase from a Cyclosporin Non-Producing Mutant of <i>Beauveria nivea</i> . Biological Chemistry Hoppe-Seyler, 1990, 371, 829-834.	1.4	18
57	Mitogen-responsive S6 kinase. FEBS Journal, 1989, 183, 245-253.	0.2	5
58	Insulin-induced S6 kinase activation in HeLa cells and its reversal by hyperthermic stress. FEBS Journal, 1989, 183, 255-262.	0.2	5
59	Cell-free biosynthesis of new cyclosporins.. Journal of Antibiotics, 1989, 42, 1283-1289.	2.0	83
60	A chick embryo fibroblast protein kinase recognizing ribosomal protein S6. FEBS Letters, 1985, 185, 272-276.	2.8	14