

Magnus Monn

List of Publications by Year in descending order

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53
papers

2,775
citations

172457

29
h-index

175258

52
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55
all docs

55
docs citations

55
times ranked

3617
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for a protein transported through the secretory pathway en route to the higher plant chloroplast. <i>Nature Cell Biology</i> , 2005, 7, 1224-1231.	10.3	333
2	Discoveries, metabolic roles and diseases of mitochondrial carriers: A review. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 2362-2378.	4.1	179
3	Topology of the Membrane-Associated Hepatitis C Virus Protein NS4B. <i>Journal of Virology</i> , 2003, 77, 5428-5438.	3.4	175
4	Insights into Egg Coat Assembly and Egg-Sperm Interaction from the X-Ray Structure of Full-Length ZP3. <i>Cell</i> , 2010, 143, 404-415.	28.9	132
5	Crystal structure of the ZP-N domain of ZP3 reveals the core fold of animal egg coats. <i>Nature</i> , 2008, 456, 653-657.	27.8	120
6	Positively and negatively charged residues have different effects on the position in the membrane of a model transmembrane helix. <i>Journal of Molecular Biology</i> , 1998, 284, 1177-1183.	4.2	101
7	Turns in transmembrane helices: determination of the minimal length of a helical hairpin and derivation of a fine-grained turn propensity scale 1 Edited by F. E. Cohen. <i>Journal of Molecular Biology</i> , 1999, 293, 807-814.	4.2	95
8	A turn propensity scale for transmembrane helices. <i>Journal of Molecular Biology</i> , 1999, 288, 141-145.	4.2	92
9	The yeast mitochondrial ADP/ATP carrier functions as a monomer in mitochondrial membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10830-10834.	7.1	90
10	Membrane Topology of the 60-kDa Oxa1p Homologue from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1998, 273, 30415-30418.	3.4	86
11	Uncoupling proteins 1 and 2 (UCP1 and UCP2) from <i>Arabidopsis thaliana</i> are mitochondrial transporters of aspartate, glutamate, and dicarboxylates. <i>Journal of Biological Chemistry</i> , 2018, 293, 4213-4227.	3.4	81
12	Functional expression of eukaryotic membrane proteins in <i>Lactococcus lactis</i> . <i>Protein Science</i> , 2005, 14, 3048-3056.	7.6	78
13	A Structural View of Egg Coat Architecture and Function in Fertilization1. <i>Biology of Reproduction</i> , 2011, 85, 661-669.	2.7	77
14	Human neuropeptide Y signal peptide gain-of-function polymorphism is associated with increased body mass index: possible mode of function. <i>Regulatory Peptides</i> , 2005, 127, 45-53.	1.9	71
15	Diseases Caused by Mutations in Mitochondrial Carrier Genes SLC25: A Review. <i>Biomolecules</i> , 2020, 10, 655.	4.0	70
16	The hyperornithinemia hyperammonemia-homocitrullinuria syndrome. <i>Orphanet Journal of Rare Diseases</i> , 2015, 10, 29.	2.7	65
17	Antiporters of the Mitochondrial Carrier Family. <i>Current Topics in Membranes</i> , 2014, 73, 289-320.	0.9	62
18	Eukaryotic membrane protein overproduction in. <i>Current Opinion in Biotechnology</i> , 2005, 16, 546-551.	6.6	59

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19	Intra-mitochondrial Methylation Deficiency Due to Mutations in SLC25A26. <i>American Journal of Human Genetics</i> , 2015, 97, 761-768.	6.2	58
20	Tracking Down the ZP Domain: From the Mammalian Zona Pellucida to the Molluscan Vitelline Envelope. <i>Seminars in Reproductive Medicine</i> , 2006, 24, 204-216.	1.1	54
21	Insertion and Topology of a Plant Viral Movement Protein in the Endoplasmic Reticulum Membrane. <i>Journal of Biological Chemistry</i> , 2002, 277, 23447-23452.	3.4	53
22	Substrate Specificity of the Two Mitochondrial Ornithine Carriers Can Be Swapped by Single Mutation in Substrate Binding Site. <i>Journal of Biological Chemistry</i> , 2012, 287, 7925-7934.	3.4	47
23	The Molecular Basis of Sex: Linking Yeast to Human. <i>Molecular Biology and Evolution</i> , 2011, 28, 1963-1966.	8.9	41
24	The mitochondrial oxoglutarate carrier: from identification to mechanism. <i>Journal of Bioenergetics and Biomembranes</i> , 2013, 45, 1-13.	2.3	40
25	Mitochondrial Carriers for Aspartate, Glutamate and Other Amino Acids: A Review. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4456.	4.1	40
26	The human uncoupling proteins 5 and 6 (UCP5/SLC25A14 and UCP6/SLC25A30) transport sulfur oxyanions, phosphate and dicarboxylates. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2019, 1860, 724-733.	1.0	35
27	The Mimivirus Genome Encodes a Mitochondrial Carrier That Transports dATP and dTTP. <i>Journal of Virology</i> , 2007, 81, 3181-3186.	3.4	34
28	Functional characterization and organ distribution of three mitochondrial ATPâ€“Mg/Pi carriers in <i>Arabidopsis thaliana</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1220-1230.	1.0	33
29	Mitochondrial transporters for ornithine and related amino acids: a review. <i>Amino Acids</i> , 2015, 47, 1763-1777.	2.7	30
30	N-Tail translocation in a eukaryotic polytopic membrane protein. Synergy between neighboring transmembrane segments. <i>FEBS Journal</i> , 1999, 263, 264-269.	0.2	27
31	An overview of combined Dâ€“and Lâ€“hydroxyglutaric aciduria: functional analysis of CIC variants. <i>Journal of Inherited Metabolic Disease</i> , 2018, 41, 169-180.	3.6	24
32	New insights into the roles of the N-terminal region of the ABCC6 transporter. <i>Journal of Bioenergetics and Biomembranes</i> , 2016, 48, 259-267.	2.3	23
33	Membrane insertion and topology of the aminoâ€“terminal domain TMDO of multidrugâ€“resistance associated protein 6 (MRP6). <i>FEBS Letters</i> , 2015, 589, 3921-3928.	2.8	22
34	The substrate specificity of mitochondrial carriers: Mutagenesis revisited. <i>Molecular Membrane Biology</i> , 2013, 30, 149-159.	2.0	21
35	Effects of â€“hydrophobic mismatchâ€“ TM on the location of transmembrane helices in the ER membrane. <i>FEBS Letters</i> , 2001, 496, 96-100.	2.8	20
36	Competition between neighboring topogenic signals during membrane protein insertion into the ER. <i>FEBS Journal</i> , 2004, 272, 28-36.	4.7	20

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37	Mitochondrial transport and metabolism of the vitamin Bâ€ derived cofactors thiamine pyrophosphate, coenzyme A, <sc>FAD</sc> and <sc>NAD</sc> ⁺, and related diseases: A review. IUBMB Life, 2022, 74, 592-617.	3.4	19
38	Welcome to the Family: Identification of the NAD ⁺ Transporter of Animal Mitochondria as Member of the Solute Carrier Family SLC25. Biomolecules, 2021, 11, 880.	4.0	18
39	Formation of helical hairpins during membrane protein integration into the endoplasmic reticulum membrane. Role of the N and C-terminal flanking regions 1 Edited by F. Cohen. Journal of Molecular Biology, 2001, 313, 1171-1179.	4.2	17
40	The nucleotide-binding domain 2 of the human transporter protein MRP6. Journal of Bioenergetics and Biomembranes, 2011, 43, 465-471.	2.3	17
41	Stopâ€ transfer efficiency of marginally hydrophobic segments depends on the length of the carboxyâ€ terminal tail. EMBO Reports, 2003, 4, 178-183.	4.5	14
42	Mitochondrial ATP-Mg/phosphate carriers transport divalent inorganic cations in complex with ATP. Journal of Bioenergetics and Biomembranes, 2017, 49, 369-380.	2.3	13
43	Extracellular matrix degradation via enolase/plasminogen interaction: Evidence for a mechanism conserved in Metazoa. Biology of the Cell, 2016, 108, 161-178.	2.0	12
44	Competition between neighboring topogenic signals during membrane protein insertion into the ER. FEBS Journal, 2005, 272, 28-36.	4.7	12
45	The hepatitis B x antigen antiâ€ apoptotic effector URG7 is localized to the endoplasmic reticulum membrane. FEBS Letters, 2013, 587, 3058-3062.	2.8	11
46	The Lepidopteran endoribonuclease-U domain protein P102 displays dramatically reduced enzymatic activity and forms functional amyloids. Developmental and Comparative Immunology, 2014, 47, 129-139.	2.3	9
47	Chemical Profiling of <i>Astragalus membranaceus</i> Roots (Fish.) Bunge Herbal Preparation and Evaluation of Its Bioactivity. Natural Product Communications, 2020, 15, 1934578X2092415.	0.5	9
48	Screening of in vitro and in silico Î±-amylase, Î±-glucosidase, and lipase inhibitory activity of oxyprenylated natural compounds and semisynthetic derivatives. Phytochemistry, 2021, 187, 112781.	2.9	9
49	Phytochemicals of <i>Minthostachys diffusa</i> Epling and Their Health-Promoting Bioactivities. Foods, 2020, 9, 144.	4.3	8
50	Mitochondrial transport and metabolism of the major methyl donor and versatile cofactor Sâ€ adenosylmethionine, and related diseases: A review ^{â€}. IUBMB Life, 2022, 74, 573-591.	3.4	7
51	Evidence for Non-Essential Salt Bridges in the M-Gates of Mitochondrial Carrier Proteins. International Journal of Molecular Sciences, 2022, 23, 5060.	4.1	6
52	Two Novel Precursors of the HIV-1 Protease Inhibitor Darunavir Target the UPR/Proteasome System in Human Hepatocellular Carcinoma Cell Line HepG2. Cells, 2021, 10, 3052.	4.1	3
53	Design and structural bioinformatic analysis of polypeptide antigens useful for the SRLV serodiagnosis. Journal of Virological Methods, 2021, 297, 114266.	2.1	2