

Anders Malmendal

List of Publications by Year in descending order

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77
papers

3,666
citations

147566

31
h-index

133063

59
g-index

81
all docs

81
docs citations

81
times ranked

4727
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation between stage of prostate cancer and tyrosine and tryptophan in urine samples measured electrochemically. <i>Analytical Biochemistry</i> , 2022, 649, 114698.	1.1	5
2	Molecular Networks and Macromolecular Molar Mass Distributions for Preliminary Characterization of Danish Craft Beers. <i>Beverages</i> , 2022, 8, 35.	1.3	0
3	Prediction of complex phenotypes using the <i>Drosophila melanogaster</i> metabolome. <i>Heredity</i> , 2021, 126, 717-732.	1.2	4
4	Charge Regulation during Amyloid Formation of α -Synuclein. <i>Journal of the American Chemical Society</i> , 2021, 143, 7777-7791.	6.6	33
5	Adsorption of bio-organic eco-corona molecules reduces the toxic response to metallic nanoparticles in <i>Daphnia magna</i> . <i>Scientific Reports</i> , 2021, 11, 10784.	1.6	20
6	Sensory Assessment of Fish and Chicken Protein Hydrolysates. Evaluation of NMR Metabolomics Profiling as a New Prediction Tool. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 3881-3890.	2.4	17
7	Ultrastructural evidence for self-replication of Alzheimer-associated A β 42 amyloid along the sides of fibrils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 11265-11273.	3.3	37
8	Impacts of thermal fluctuations on heat tolerance and its metabolomic basis in <i>Arabidopsis thaliana</i> , <i>Drosophila melanogaster</i> , and <i>Orchesella cincta</i> . <i>PLoS ONE</i> , 2020, 15, e0237201.	1.1	9
9	Revealing Well-Defined Soluble States during Amyloid Fibril Formation by Multilinear Analysis of NMR Diffusion Data. <i>Journal of the American Chemical Society</i> , 2019, 141, 18649-18652.	6.6	6
10	In-hospital metabolite changes in infective endocarditis—a longitudinal 1H NMR-based study. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2019, 38, 1553-1560.	1.3	3
11	A method of predicting the in vitro fibril formation propensity of A β 40 mutants based on their inclusion body levels in <i>E. coli</i> . <i>Scientific Reports</i> , 2019, 9, 3680.	1.6	6
12	pKa Determination of a Histidine Residue in a Short Peptide Using Raman Spectroscopy. <i>Molecules</i> , 2019, 24, 405.	1.7	27
13	Metabolic and functional phenotypic profiling of <i>Drosophila melanogaster</i> reveals reduced sex differentiation under stressful environmental conditions. <i>Biological Journal of the Linnean Society</i> , 2018, 123, 155-162.	0.7	9
14	Metabolic control of PPAR activity by aldehyde dehydrogenase regulates invasive cell behavior and predicts survival in hepatocellular and renal clear cell carcinoma. <i>BMC Cancer</i> , 2018, 18, 1180.	1.1	22
15	Metabolic and functional characterization of effects of developmental temperature in <i>Drosophila melanogaster</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017, 312, R211-R222.	0.9	46
16	Brain damage and behavioural disorders in fish induced by plastic nanoparticles delivered through the food chain. <i>Scientific Reports</i> , 2017, 7, 11452.	1.6	491
17	Amyloid β 42 peptide is toxic to non-neural cells in <i>Drosophila</i> yielding a characteristic metabolite profile and the effect can be suppressed by PI3K. <i>Biology Open</i> , 2017, 6, 1664-1671.	0.6	5
18	Mild heat treatments induce long-term changes in metabolites associated with energy metabolism in <i>Drosophila melanogaster</i> . <i>Biogerontology</i> , 2016, 17, 873-882.	2.0	13

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19	Hemolymph metabolites and osmolality are tightly linked to cold tolerance of <i>Drosophila</i> species: a comparative study. <i>Journal of Experimental Biology</i> , 2016, 219, 2504-13.	0.8	34
20	Metabolic changes may precede proteostatic dysfunction in <i>Drosophila</i> model of amyloid beta peptide toxicity. <i>Neurobiology of Aging</i> , 2016, 41, 39-52.	1.5	14
21	<i>Drosophila</i> neprilysins control insulin signaling and food intake via cleavage of regulatory peptides. <i>ELife</i> , 2016, 5, .	2.8	23
22	Altered Behavior, Physiology, and Metabolism in Fish Exposed to Polystyrene Nanoparticles. <i>Environmental Science & Technology</i> , 2015, 49, 553-561.	4.6	421
23	Effect of Nanoparticles in Top Consumers. <i>Biophysical Journal</i> , 2014, 106, 625a.	0.2	1
24	Use of NMR in profiling of cocaine seizures. <i>Forensic Science International</i> , 2013, 231, 120-124.	1.3	26
25	Metabolomic analysis of the selection response of <i>Drosophila melanogaster</i> to environmental stress: are there links to gene expression and phenotypic traits?. <i>Die Naturwissenschaften</i> , 2013, 100, 417-427.	0.6	27
26	Mutation in transforming growth factor beta induced protein associated with granular corneal dystrophy type 1 reduces the proteolytic susceptibility through local structural stabilization. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 2812-2822.	1.1	33
27	Application of "magnetic tongue" to the sensory evaluation of extra virgin olive oil. <i>Food Chemistry</i> , 2013, 140, 692-699.	4.2	30
28	Liver-specific <i>Aquaporin 11</i> knockout mice show rapid vacuolization of the rough endoplasmic reticulum in periportal hepatocytes after amino acid feeding. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, G501-G515.	1.6	36
29	Mapping of unfolding states of integral helical membrane proteins by GPS-NMR and scattering techniques: TFE-induced unfolding of KcsA in DDM surfactant. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2290-2301.	1.4	20
30	Cold tolerance and freeze-induced glucose accumulation in three terrestrial slugs. <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2012, 161, 443-449.	0.8	17
31	The Metabolic Profile of Long-Lived <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2012, 7, e47461.	1.1	37
32	NMR Spectrometers as "Magnetic Tongues": Prediction of Sensory Descriptors in Canned Tomatoes. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 10831-10838.	2.4	35
33	SDS-Facilitated In vitro Formation of a Transmembrane B-Type Cytochrome Is Mediated by Changes in Local pH. <i>Journal of Molecular Biology</i> , 2011, 407, 594-606.	2.0	17
34	The Binding Mechanism of a Peptidic Cyclic Serine Protease Inhibitor. <i>Journal of Molecular Biology</i> , 2011, 412, 235-250.	2.0	16
35	A GC-MS-based metabolomic investigation of blood serum from irritable bowel syndrome patients undergoing intervention with acidified milk products. <i>European Food Research and Technology</i> , 2011, 233, 1013-1021.	1.6	18
36	Hsp70 expression and metabolite composition in response to short-term thermal changes in <i>Folsomia candida</i> (Collembola). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2010, 157, 177-183.	0.8	25

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37	Creatine-induced activation of antioxidative defence in myotube cultures revealed by explorative NMR-based metabonomics and proteomics. <i>Journal of the International Society of Sports Nutrition</i> , 2010, 7, 9.	1.7	45
38	The Serum Metabolite Response to Diet Intervention with Probiotic Acidified Milk in Irritable Bowel Syndrome Patients Is Indistinguishable from that of Non-Probiotic Acidified Milk by ¹ H NMR-Based Metabonomic Analysis. <i>Nutrients</i> , 2010, 2, 1141-1155.	1.7	16
39	Metabolic Changes during Estivation in the Common Earthworm <i>Aporrectodea caliginosa</i> . <i>Physiological and Biochemical Zoology</i> , 2010, 83, 541-550.	0.6	27
40	NMR Reveals Two-Step Association of Congo Red to Amyloid I ² in Low-Molecular-Weight Aggregates. <i>Journal of Physical Chemistry B</i> , 2010, 114, 16003-16010.	1.2	27
41	Fast Mapping of Global Protein Folding States by Multivariate NMR: A GPS for Proteins. <i>PLoS ONE</i> , 2010, 5, e10262.	1.1	18
42	NMR-based metabonomics reveals that plasma betaine increases upon intake of high-fiber rye buns in hypercholesterolemic pigs. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 1055-1062.	1.5	32
43	Metabolic characterization of rumen epithelial tissue from dairy calves fed different starter diets using ¹ H NMR spectroscopy. <i>Livestock Science</i> , 2009, 120, 127-134.	0.6	10
44	Characterization of dry globular proteins and protein fibrils by synchrotron radiation vacuum UV circular dichroism. <i>Biopolymers</i> , 2008, 89, 779-795.	1.2	15
45	Early Stages of Amyloid Fibril Formation Studied by Liquid-State NMR: The Peptide Hormone Glucagon. <i>Biophysical Journal</i> , 2008, 95, 366-377.	0.2	33
46	Freeze tolerance and accumulation of cryoprotectants in the enchytraeid <i>Enchytraeus albidus</i> (<i>Oligochaeta</i>) from Greenland and Europe. <i>Cryobiology</i> , 2008, 57, 286-291.	0.3	38
47	Quantitative Analysis of Constituents in Heavy Fuel Oil by ¹ H Nuclear Magnetic Resonance (NMR) Spectroscopy and Multivariate Data Analysis. <i>Energy & Fuels</i> , 2008, 22, 4070-4076.	2.5	36
48	Metabolomic Signatures of Inbreeding at Benign and Stressful Temperatures in <i>Drosophila melanogaster</i> . <i>Genetics</i> , 2008, 180, 1233-1243.	1.2	71
49	Slow desiccation improves dehydration tolerance and accumulation of compatible osmolytes in earthworm cocoons (<i>Dendrobaena octaedra</i> Savigny). <i>Journal of Experimental Biology</i> , 2008, 211, 1903-1910.	0.8	26
50	In vitro and in vivo studies of creatine monohydrate supplementation to Duroc and Landrace pigs. <i>Meat Science</i> , 2007, 76, 342-351.	2.7	40
51	Effect of Magnetic Field Strength on NMR-Based Metabonomic Human Urine Data. Comparative Study of 250, 400, 500, and 800 MHz. <i>Analytical Chemistry</i> , 2007, 79, 7110-7115.	3.2	45
52	Metabolomic profiling of rapid cold hardening and cold shock in <i>Drosophila melanogaster</i> . <i>Journal of Insect Physiology</i> , 2007, 53, 1218-1232.	0.9	232
53	NMR studies of the fifth transmembrane segment of Na ⁺ ,K ⁺ -ATPase reveals a non-helical ion-binding region. <i>FEBS Letters</i> , 2006, 580, 4777-4783.	1.3	3
54	Cation Binding in Na,K-ATPase, Investigated by 205TI Solid-State NMR Spectroscopy. <i>Biochemistry</i> , 2006, 45, 10768-10776.	1.2	4

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55	Inhibition of plasminogen activator inhibitor-1 binding to endocytosis receptors of the low-density-lipoprotein receptor family by a peptide isolated from a phage display library. <i>Biochemical Journal</i> , 2006, 399, 387-396.	1.7	16
56	NMR-based metabolomic studies reveal changes in the biochemical profile of plasma and urine from pigs fed high-fibre rye bread. <i>British Journal of Nutrition</i> , 2006, 95, 955-962.	1.2	62
57	Metabolomic profiling of heat stress: hardening and recovery of homeostasis in <i>Drosophila</i> . <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R205-R212.	0.9	170
58	A metabolomic investigation of splanchnic metabolism using ¹ H NMR spectroscopy of bovine blood plasma. <i>Analytica Chimica Acta</i> , 2005, 536, 1-6.	2.6	19
59	Calcium-Modulated S100 Protein α -Phospholipid Interactions. An NMR Study of Calbindin D9k and DPC α . <i>Biochemistry</i> , 2005, 44, 6502-6512.	1.2	12
60	Evidence for Differing Roles for Each Lobe of the Calmodulin-like Domain in a Calcium-dependent Protein Kinase. <i>Journal of Biological Chemistry</i> , 2004, 279, 29092-29100.	1.6	62
61	Techniques and applications of NMR to membrane proteins (Review). <i>Molecular Membrane Biology</i> , 2004, 21, 129-141.	2.0	37
62	An NMR-based metabolomic approach to assess metabolism in splanchnic tissues of steers. <i>Journal of Animal and Feed Sciences</i> , 2004, 13, 295-298.	0.4	3
63	NMR studies of the fifth transmembrane segment of sarcoplasmic reticulum Ca ²⁺ -ATPase reveals a hinge close to the Ca ²⁺ -ligating residues. <i>FEBS Letters</i> , 2003, 544, 50-56.	1.3	9
64	Nascent structure in the kinase anchoring domain of microtubule-associated protein 2. <i>Biochemical and Biophysical Research Communications</i> , 2003, 301, 136-142.	1.0	6
65	The Flexibility of SIMPSON and SIMMOL for Numerical Simulations in Solid- and Liquid-State NMR Spectroscopy. <i>Monatshefte für Chemie</i> , 2002, 133, 1555-1574.	0.9	66
66	Dynamics of the Transition between Open and Closed Conformations in a Calmodulin C-Terminal Domain Mutant. <i>Structure</i> , 2001, 9, 185-195.	1.6	88
67	Battle for the EF-Hands: Magnesium α Calcium Interference in Calmodulin. <i>Biochemistry</i> , 1999, 38, 11844-11850.	1.2	85
68	Backbone dynamics and energetics of a Calmodulin domain mutant exchanging between closed and open conformations. <i>Journal of Molecular Biology</i> , 1999, 289, 603-617.	2.0	122
69	Structural dynamics in the C-terminal domain of calmodulin at low calcium levels 1 Edited by P. E. Wright. <i>Journal of Molecular Biology</i> , 1999, 293, 883-899.	2.0	148
70	Calcium. <i>Current Opinion in Chemical Biology</i> , 1998, 2, 293-302.	2.8	59
71	Ca ²⁺ Binding and Conformational Changes in a Calmodulin Domain. <i>Biochemistry</i> , 1998, 37, 13744-13754.	1.2	67
72	Sequence and Context Dependence of EF-Hand Loop Dynamics. An ¹⁵ N Relaxation Study of a Calcium-Binding Site Mutant of Calbindin D9k. <i>Biochemistry</i> , 1998, 37, 2586-2595.	1.2	41

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73	When Size Is Important. Journal of Biological Chemistry, 1998, 273, 28994-29001.	1.6	54
74	NMR Studies of the E140Q Mutant of the Carboxy-Terminal Domain of Calmodulin Reveal Global Conformational Exchange in the Ca ²⁺ -Saturated State. Biochemistry, 1997, 36, 3448-3457.	1.2	72
75	Solution Structure of the Paramagnetic Complex of the N-Terminal Domain of Calmodulin with Two Ce ³⁺ Ions by ¹ H NMR. Biochemistry, 1997, 36, 11605-11618.	1.2	93
76	Structural basis for the negative allostery between Ca ²⁺ and Mg ²⁺ binding in the intracellular Ca ²⁺ receptor calbindin D _{9k} . Protein Science, 1997, 6, 1139-1147.	3.1	65
77	Can we adjust a marine cyclopoid copepod to freshwater? First step towards a "universal" live feed product for fish and shrimp larvae. Aquaculture Research, 0, , .	0.9	4