

Mogens Johannsen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

78
papers

3,897
citations

35
h-index

61
g-index

103
ext. papers

4,464
ext. citations

7.4
avg, IF

5.39
L-index

#	Paper	IF	Citations
78	The effect of casein glycomacropeptide versus free synthetic amino acids for early treatment of phenylketonuria in a mice model.. <i>PLoS ONE</i> , 2022 , 17, e0261150	3.7	0
77	A Retrospective Metabolomics Analysis of Gamma-Hydroxybutyrate in Humans: New Potential Markers and Changes in Metabolism Related to GHB Consumption.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 816376	5.6	0
76	Oral lactate slows gastric emptying and suppresses appetite in young males.. <i>Clinical Nutrition</i> , 2021 , 41, 517-525	5.9	0
75	SGLT2 Inhibition Does Not Affect Myocardial Fatty Acid Oxidation or Uptake, but Reduces Myocardial Glucose Uptake and Blood Flow in Individuals With Type 2 Diabetes: A Randomized Double-Blind, Placebo-Controlled Crossover Trial. <i>Diabetes</i> , 2021 , 70, 800-808	0.9	12
74	Assessment of XCMS Optimization Methods with Machine-Learning Performance. <i>Analytical Chemistry</i> , 2021 , 93, 13459-13466	7.8	0
73	Dicarbonyl derived post-translational modifications: chemistry bridging biology and aging-related disease. <i>Essays in Biochemistry</i> , 2020 , 64, 97-110	7.6	6
72	Methylglyoxal Metabolism and Aging-Related Disease: Moving from Correlation toward Causation. <i>Trends in Endocrinology and Metabolism</i> , 2020 , 31, 81-92	8.8	38
71	Non-enzymatic Lysine Lactoylation of Glycolytic Enzymes. <i>Cell Chemical Biology</i> , 2020 , 27, 206-213.e6	8.2	42
70	Oral D/L-3-Hydroxybutyrate Stimulates Cholecystokinin and Insulin Secretion and Slows Gastric Emptying in Healthy Males. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	5
69	Psychological interventions for grief in adults: A systematic review and meta-analysis of randomized controlled trials. <i>Journal of Affective Disorders</i> , 2019 , 253, 69-86	6.6	59
68	ReactELISA method for quantifying methylglyoxal levels in plasma and cell cultures. <i>Redox Biology</i> , 2019 , 26, 101252	11.3	11
67	Sensitive determination of monoamine neurotransmitters, their main metabolites and precursor amino acids in different mouse brain components by liquid chromatography-electrospray tandem mass spectrometry after selective sample clean-up. <i>Biomedical Chromatography</i> , 2019 , 33, e4479	1.7	5
66	STEFs: Activated Vinylogous Protein-Reactive Electrophiles. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 3533-3537	16.4	18
65	STEFs: Activated Vinylogous Protein-Reactive Electrophiles. <i>Angewandte Chemie</i> , 2019 , 131, 3571-3575	3.6	7
64	Substrate metabolism, hormone and cytokine levels and adipose tissue signalling in individuals with type 1 diabetes after insulin withdrawal and subsequent insulin therapy to model the initiating steps of ketoacidosis. <i>Diabetologia</i> , 2019 , 62, 494-503	10.3	7
63	APD-Containing Cyclolipodepsipeptides Target Mitochondrial Function in Hypoxic Cancer Cells. <i>Cell Chemical Biology</i> , 2018 , 25, 1337-1349.e12	8.2	17
62	Psychosocial predictors of posttreatment pain after nonmetastatic breast cancer treatment: a systematic review and meta-analysis of prospective studies. <i>Journal of Pain Research</i> , 2018 , 11, 23-36	2.9	13

61	Profiling of Methylglyoxal Blood Metabolism and Advanced Glycation End-Product Proteome Using a Chemical Probe. <i>ACS Chemical Biology</i> , 2018 , 13, 3294-3305	4.9	15
60	Effects of 3-hydroxybutyrate and free fatty acids on muscle protein kinetics and signaling during LPS-induced inflammation in humans: anticatabolic impact of ketone bodies. <i>American Journal of Clinical Nutrition</i> , 2018 , 108, 857-867	7	40
59	Anabolic effects of leucine-rich whey protein, carbohydrate, and soy protein with and without β-hydroxy-β-methylbutyrate (HMB) during fasting-induced catabolism: A human randomized crossover trial. <i>Clinical Nutrition</i> , 2017 , 36, 697-705	5.9	22
58	IFI16 is required for DNA sensing in human macrophages by promoting production and function of cGAMP. <i>Nature Communications</i> , 2017 , 8, 14391	17.4	154
57	Untargeted metabolomics reveals a mild impact of remote ischemic conditioning on the plasma metabolome and β-hydroxybutyrate as a possible cardioprotective factor and biomarker of tissue ischemia. <i>Metabolomics</i> , 2017 , 13, 67	4.7	7
56	ReactELISA: Monitoring a Carbon Nucleophilic Metabolite by ELISA-a Study of Lipid Metabolism. <i>Analytical Chemistry</i> , 2017 , 89, 5066-5071	7.8	7
55	Ketone Body Acetoacetate Buffers Methylglyoxal via a Non-enzymatic Conversion during Diabetic and Dietary Ketosis. <i>Cell Chemical Biology</i> , 2017 , 24, 935-943.e7	8.2	20
54	cGAS is activated by DNA in a length-dependent manner. <i>EMBO Reports</i> , 2017 , 18, 1707-1715	6.5	126
53	Effects of insulin-induced hypoglycaemia on lipolysis rate, lipid oxidation and adipose tissue signalling in human volunteers: a randomised clinical study. <i>Diabetologia</i> , 2017 , 60, 143-152	10.3	13
52	Synthesis of ent-BE-43547A reveals a potent hypoxia-selective anticancer agent and uncovers the biosynthetic origin of the APD-CLD natural products. <i>Nature Chemistry</i> , 2017 , 9, 264-272	17.6	35
51	Amino acid supplementation is anabolic during the acute phase of endotoxin-induced inflammation: A human randomized crossover trial. <i>Clinical Nutrition</i> , 2016 , 35, 322-330	5.9	25
50	Untargeted Metabolomics Analysis of ABCC6-Deficient Mice Discloses an Altered Metabolic Liver Profile. <i>Journal of Proteome Research</i> , 2016 , 15, 4591-4600	5.6	4
49	Citric Acid Cycle Metabolites Predict the Severity of Myocardial Stunning and Mortality in Newborn Pigs. <i>Pediatric Critical Care Medicine</i> , 2016 , 17, e567-e574	3	3
48	Combined Insulin Deficiency and Endotoxin Exposure Stimulate Lipid Mobilization and Alter Adipose Tissue Signaling in an Experimental Model of Ketoacidosis in Subjects With Type 1 Diabetes: A Randomized Controlled Crossover Trial. <i>Diabetes</i> , 2016 , 65, 1380-6	0.9	12
47	A Metabolomics Study of Retrospective Forensic Data from Whole Blood Samples of Humans Exposed to 3,4-Methylenedioxymethamphetamine: A New Approach for Identifying Drug Metabolites and Changes in Metabolism Related to Drug Consumption. <i>Journal of Proteome Research</i> , 2016 , 15, 619-27	5.6	29
46	Reply: Letter to the editor - A dietary amino acid load causes a transient decrease in the function of human neutrophil granulocytes. <i>Clinical Nutrition</i> , 2016 , 35, 771	5.9	
45	Untargeted Metabolomics Analysis Reveals a Link between ETHE1-Mediated Disruptive Redox State and Altered Metabolic Regulation. <i>Journal of Proteome Research</i> , 2016 , 15, 1630-8	5.6	10
44	In vivo drug release behavior and osseointegration of a doxorubicin-loaded tissue-engineered scaffold. <i>RSC Advances</i> , 2016 , 6, 76237-76245	3.7	4

43	The natural product brartemicin is a high affinity ligand for the carbohydrate-recognition domain of the macrophage receptor mincle. <i>MedChemComm</i> , 2015 , 6, 647-652	5	21
42	Socio-demographic, treatment-related, and health behavioral predictors of persistent pain 15 months and 7-9 years after surgery: a nationwide prospective study of women treated for primary breast cancer. <i>Breast Cancer Research and Treatment</i> , 2015 , 152, 645-58	4.4	21
41	Remote ischemic preconditioning with--but not without--metabolic support protects the neonatal porcine heart against ischemia-reperfusion injury. <i>International Journal of Cardiology</i> , 2014 , 170, 388-93	3.2	10
40	A cleavable azide resin for direct click chemistry mediated enrichment of alkyne-labeled proteins. <i>Chemical Communications</i> , 2014 , 50, 12098-100	5.8	20
39	Development of a chemical probe for identifying protein targets of β -oxoaldehydes. <i>Chemical Communications</i> , 2013 , 49, 4012-4	5.8	22
38	Simultaneous determination of β -hydroxybutyrate and β -hydroxy- β -methylbutyrate in human whole blood using hydrophilic interaction liquid chromatography electrospray tandem mass spectrometry. <i>Clinical Biochemistry</i> , 2013 , 46, 1877-83	3.5	25
37	Protection against myocardial ischemia-reperfusion injury at onset of type 2 diabetes in Zucker diabetic fatty rats is associated with altered glucose oxidation. <i>PLoS ONE</i> , 2013 , 8, e64093	3.7	32
36	Screening analysis for medicinal drugs and drugs of abuse in whole blood using ultra-performance liquid chromatography time-of-flight mass spectrometry (UPLC-TOF-MS)--toxicological findings in cases of alleged sexual assault. <i>Forensic Science International</i> , 2012 , 222, 154-61	2.6	42
35	Fumarate is cardioprotective via activation of the Nrf2 antioxidant pathway. <i>Cell Metabolism</i> , 2012 , 15, 361-71	24.6	184
34	Inhibition of the malate-aspartate shuttle by pre-ischaemic aminooxyacetate loading of the heart induces cardioprotection. <i>Cardiovascular Research</i> , 2010 , 88, 257-66	9.9	41
33	A UPLC-MS/MS application for profiling of intermediary energy metabolites in microdialysis samples--a method for high-throughput. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 53, 983-90	3.5	35
32	A fatal poisoning involving Bromo-Dragonfly. <i>Forensic Science International</i> , 2009 , 183, 91-6	2.6	50
31	Organocatalysis with endogenous compounds: towards novel non-enzymatic reactions. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 3888-91	2.9	14
30	Design and synthesis of a new type of ferrocene-based planar chiral DMAP analogues. A new catalyst system for asymmetric nucleophilic catalysis. <i>Journal of Organic Chemistry</i> , 2005 , 70, 8332-7	4.2	75
29	New air-stable planar chiral ferrocenyl monophosphine ligands: Suzuki cross-coupling of aryl chlorides and bromides. <i>Organic Letters</i> , 2003 , 5, 3025-8	6.2	164
28	Modular approach to novel chiral aryl-ferrocenyl phosphines by Suzuki cross-coupling. <i>Journal of Organic Chemistry</i> , 2003 , 68, 1258-65	4.2	48
27	Pentamethylated and pentaphenylated azaferrero- and azaruthenocenes: simple and general methodology for the preparation of enantiopure derivatives. <i>Journal of Organic Chemistry</i> , 2003 , 68, 1266-74	4.2	25
26	Highly enantioselective hydrosilylation of aromatic alkenes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 4558-9	16.4	91

25	Synthesis and application of arylmonophosphinoferrrocene ligands: ultrafast asymmetric hydrosilylation of styrene. <i>Journal of Organic Chemistry</i> , 2002 , 67, 7982-94	4.2	63
24	A novel stereoselective synthesis of N-heterocycles by intramolecular hydrovinylation. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001 , 3305-3311		1
23	An enantioselective synthesis of optically pure azaferrocenyl anions--first general and practical approach to chiral azaferrocenes. <i>Organic Letters</i> , 2001 , 3, 499-501	6.2	18
22	Catalytic Approach for the Formation of Optically Active Allyl alpha-Amino Acids by Addition of Allylic Metal Compounds to alpha-Imino Esters. <i>Journal of Organic Chemistry</i> , 1999 , 64, 4844-4849	4.2	103
21	Catalytic Asymmetric Addition Reactions of Carbonyls. A Common Catalytic Approach. <i>Accounts of Chemical Research</i> , 1999 , 32, 605-613	24.3	183
20	Synthesis and first application of a new family of monophosphine ferrocene ligands (MOPF). <i>Chemical Communications</i> , 1999 , 2517-2518	5.8	39
19	An enantioselective synthesis of heteroaromatic N-tosyl amino acids. <i>Chemical Communications</i> , 1999 , 2233-2234	5.8	114
18	A Highly Enantioselective Hetero-Diels-Alder Reaction Catalyzed by Chiral Polybinaphthyl-Aluminum Complexes. <i>Journal of Organic Chemistry</i> , 1999 , 64, 299-301	4.2	33
17	Hochenantioselektive katalytische Hetero-Diels-Alder-Reaktion mit inversem Elektronenbedarf. <i>Angewandte Chemie</i> , 1998 , 110, 2543-2546	3.6	37
16	Katalytische enantioselektive Aza-Diels-Alder-Reaktionen von Imino-Dienophilen. <i>Angewandte Chemie</i> , 1998 , 110, 3318-3321	3.6	23
15	Highly Enantioselective Catalytic Hetero-Diels-Alder Reaction with Inverse Electron Demand. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2404-2406	16.4	110
14	Catalytic Enantioselective Aza Diels-Alder Reactions of Imino Dienophiles. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 3121-3124	16.4	111
13	Total Synthesis of (R)-Dihydroactinidiolide and (R)-Actinidiolide Using Asymmetric Catalytic Hetero-Diels-Alder Methodology. <i>Journal of Organic Chemistry</i> , 1998 , 63, 118-121	4.2	47
12	Synthesis and Application of the First Chiral and Highly Lewis Acidic Silyl Cationic Catalyst. <i>Journal of the American Chemical Society</i> , 1998 , 120, 7637-7638	16.4	61
11	Allylic Amination. <i>Chemical Reviews</i> , 1998 , 98, 1689-1708	68.1	660
10	Catalytic Asymmetric Hetero-Diels-Alder Reactions of Ketones: Chemzymatic Reactions. <i>Journal of the American Chemical Society</i> , 1998 , 120, 8599-8605	16.4	102
9	Metal-catalyzed asymmetric hetero-Diels-Alder reactions of unactivated dienes with glyoxylates. <i>Pure and Applied Chemistry</i> , 1998 , 70, 1117-1122	2.1	39
8	The first highly enantioselective catalytic hetero-Diels-Alder reaction of ketones. <i>Chemical Communications</i> , 1997 , 2169-2170	5.8	50

7	Zinc(II)-catalysed asymmetric hetero-Diels-Alder reactions of conjugated dienes with glyoxylate. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997 , 2345		32
6	Solvent vs. counterion acceleration of enantioselective carbonyl hetero Diels-Alder reactions. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997 , 1183-1186		35
5	A highly chemo- and enantio-selective hetero-Diels-Alder reaction catalysed by chiral aluminium complexes. <i>Chemical Communications</i> , 1996 , 2373-2374	5.8	33
4	Solvent effects in asymmetric hetero Diels-Alder and ene reactions. <i>Tetrahedron</i> , 1996 , 52, 7321-7328	2.4	72
3	Mechanistic aspects of iron-catalyzed allylic amination. <i>Journal of Organic Chemistry</i> , 1995 , 60, 5979-5982	4.2	37
2	Asymmetric hetero Diels-Alder reactions and ene reactions catalyzed by chiral copper(II) complexes. <i>Journal of Organic Chemistry</i> , 1995 , 60, 5757-5762	4.2	141
1	Iron-catalyzed allylic amination. <i>Journal of Organic Chemistry</i> , 1994 , 59, 214-216	4.2	63