

Jakob Hansen

List of Publications by Year in descending order

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37
papers

1,034
citations

394421

19
h-index

434195

31
g-index

37
all docs

37
docs citations

37
times ranked

1897
citing authors

#	ARTICLE	IF	CITATIONS
1	Ketone Body Infusion With 3- ¹¹ C-Hydroxybutyrate Reduces Myocardial Glucose Uptake and Increases Blood Flow in Humans: A Positron Emission Tomography Study. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	144
2	Inactivation of the hereditary spastic paraplegia-associated Hspd1 gene encoding the Hsp60 chaperone results in early embryonic lethality in mice. <i>Cell Stress and Chaperones</i> , 2010, 15, 851-863.	2.9	83
3	The Hsp60-(p.V98I) Mutation Associated with Hereditary Spastic Paraplegia SPG13 Compromises Chaperonin Function Both in Vitro and in Vivo. <i>Journal of Biological Chemistry</i> , 2008, 283, 15694-15700.	3.4	80
4	Regional cerebral effects of ketone body infusion with 3-hydroxybutyrate in humans: Reduced glucose uptake, unchanged oxygen consumption and increased blood flow by positron emission tomography. A randomized, controlled trial. <i>PLoS ONE</i> , 2018, 13, e0190556.	2.5	59
5	A novel mutation in the HSPD1 gene in a patient with hereditary spastic paraplegia. <i>Journal of Neurology</i> , 2007, 254, 897-900.	3.6	51
6	A Cellular Viability Assay to Monitor Drug Toxicity. <i>Methods in Molecular Biology</i> , 2010, 648, 303-311.	0.9	51
7	Quantitative Proteomics Reveals Cellular Targets of Celastrol. <i>PLoS ONE</i> , 2011, 6, e26634.	2.5	48
8	Mitochondrial proteomics—a tool for the study of metabolic disorders. <i>Journal of Inherited Metabolic Disease</i> , 2012, 35, 715-726.	3.6	44
9	DNA and RNA analysis of blood and muscle from bodies with variable postmortem intervals. <i>Forensic Science, Medicine, and Pathology</i> , 2014, 10, 322-328.	1.4	39
10	Down-regulation of Hsp60 expression by RNAi impairs folding of medium-chain acyl-CoA dehydrogenase wild-type and disease-associated proteins. <i>Molecular Genetics and Metabolism</i> , 2005, 85, 260-270.	1.1	36
11	Development of a chemical probe for identifying protein targets of α -oxoaldehydes. <i>Chemical Communications</i> , 2013, 49, 4012.	4.1	33
12	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.	5.2	32
13	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.	0.6	32
14	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.	5.0	31
15	The Y42H mutation in medium-chain acyl-CoA dehydrogenase, which is prevalent in babies identified by MS/MS-based newborn screening, is temperature sensitive. <i>FEBS Journal</i> , 2004, 271, 4053-4063.	0.2	29
16	Single-nucleotide variations in the genes encoding the mitochondrial Hsp60/Hsp10 chaperone system and their disease-causing potential. <i>Journal of Human Genetics</i> , 2007, 52, 56-65.	2.3	29
17	Cardioprotection by remote ischemic conditioning is transferable by plasma and mediated by extracellular vesicles. <i>Basic Research in Cardiology</i> , 2021, 116, 16.	5.9	29
18	The presence of enterovirus, adenovirus, and parvovirus B19 in myocardial tissue samples from autopsies: an evaluation of their frequencies in deceased individuals with myocarditis and in non-inflamed control hearts. <i>Forensic Science, Medicine, and Pathology</i> , 2014, 10, 344-350.	1.4	26

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19	The LMNA mutation p.Arg321Ter associated with dilated cardiomyopathy leads to reduced expression and a skewed ratio of lamin A and lamin C proteins. <i>Experimental Cell Research</i> , 2013, 319, 3010-3019.	2.6	23
20	ReactELISA method for quantifying methylglyoxal levels in plasma and cell cultures. <i>Redox Biology</i> , 2019, 26, 101252.	9.0	18
21	Cardioprotective effects of empagliflozin after ischemia and reperfusion in rats. <i>Scientific Reports</i> , 2021, 11, 9544.	3.3	18
22	Untargeted metabolomics reveals a mild impact of remote ischemic conditioning on the plasma metabolome and L-lactate as a possible cardioprotective factor and biomarker of tissue ischemia. <i>Metabolomics</i> , 2017, 13, 67.	3.0	15
23	A cell model to study different degrees of Hsp60 deficiency in HEK293 cells. <i>Cell Stress and Chaperones</i> , 2011, 16, 633-640.	2.9	14
24	Differential degradation of variant medium-chain acyl-CoA dehydrogenase by the protein quality control proteases Lon and ClpXP. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 1160-1170.	2.1	12
25	Heterozygosity for an in-frame deletion causes glutaryl-CoA dehydrogenase deficiency in a patient detected by newborn screening: investigation of the effect of the mutant allele. <i>Journal of Inherited Metabolic Disease</i> , 2012, 35, 787-796.	3.6	9
26	Saffold virus infection associated with human myocarditis. <i>Journal of Clinical Virology</i> , 2016, 74, 78-81.	3.1	9
27	Heat stress and sudden infant death syndrome—Stress gene expression after exposure to moderate heat stress. <i>Forensic Science International</i> , 2013, 232, 16-24.	2.2	7
28	Flucloxacillin bone and soft tissue concentrations assessed by microdialysis in pigs after intravenous and oral administration. <i>Bone and Joint Research</i> , 2021, 10, 60-67.	3.6	7
29	Postmortem protein stability investigations of the human hepatic drug-metabolizing cytochrome P450 enzymes CYP1A2 and CYP3A4 using mass spectrometry. <i>Journal of Proteomics</i> , 2019, 194, 125-131.	2.4	6
30	Increased antioxidant response in medium-chain acyl-CoA dehydrogenase deficiency: does lipoic acid have a protective role?. <i>Pediatric Research</i> , 2020, 88, 556-564.	2.3	4
31	Variants in the ethylmalonyl-CoA decarboxylase (ECHDC1) gene: a novel player in ethylmalonic aciduria?. <i>Journal of Inherited Metabolic Disease</i> , 2021, 44, 1215-1225.	3.6	4
32	Tibial bone and soft-tissue concentrations following combination therapy with vancomycin and meropenem evaluated by microdialysis in a porcine model. <i>Bone and Joint Research</i> , 2022, 11, 112-120.	3.6	4
33	Characteristics of human infant primary fibroblast cultures from Achilles tendons removed post-mortem. <i>Forensic Science International</i> , 2014, 234, 149-153.	2.2	3
34	Measuring Consequences of Protein Misfolding and Cellular Stress Using OMICS Techniques. <i>Methods in Molecular Biology</i> , 2010, 648, 119-135.	0.9	2
35	Cardioprotective effect of combination therapy by mild hypothermia and local or remote ischemic preconditioning in isolated rat hearts. <i>Scientific Reports</i> , 2021, 11, 265.	3.3	2
36	Stability investigations of cytochrome P450 (CYP) enzymes immediately after death in a pig model support the applicability of postmortem hepatic CYP quantification. <i>Pharmacology Research and Perspectives</i> , 2021, 9, e00860.	2.4	1

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37	Steady-state concentrations of flucloxacillin in porcine vertebral cancellous bone and intervertebral disc following oral and intravenous administration assessed by microdialysis. European Spine Journal, 2022, , 1.	2.2	0