

David Meierhofer

List of Publications by Year in descending order

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69
papers

3,212
citations

147566
31
h-index

168136
53
g-index

87
all docs

87
docs citations

87
times ranked

5861
citing authors

#	ARTICLE	IF	CITATIONS
1	Variants in mitochondrial amidoxime reducing component 1 and hydroxysteroid 17 β dehydrogenase 13 reduce severity of nonalcoholic fatty liver disease in children and suppress fibrotic pathways through distinct mechanisms. <i>Hepatology Communications</i> , 2022, 6, 1934-1948.	2.0	18
2	Sleep neuron depolarization promotes protective gene expression changes and FOXO activation. <i>Current Biology</i> , 2022, 32, 2248-2262.e9.	1.8	5
3	Alternative splicing of BUD13 determines the severity of a developmental disorder with lipodystrophy and progeroid features. <i>Genetics in Medicine</i> , 2022, 24, 1927-1940.	1.1	2
4	Functional Consequences of Metabolic Zonation in Murine Livers: Insights for an Old Story. <i>Hepatology</i> , 2021, 73, 795-810.	3.6	35
5	Metabolic heterogeneity of human hepatocellular carcinoma: implications for personalized pharmacological treatment. <i>FEBS Journal</i> , 2021, 288, 2332-2346.	2.2	12
6	Regulation of the cytochrome P450 epoxyeicosanoid pathway is associated with distinct histologic features in pediatric non-alcoholic fatty liver disease. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2021, 164, 102229.	1.0	6
7	Viability Assessment in Liver Transplantation – What Is the Impact of Dynamic Organ Preservation?. <i>Biomedicine</i> , 2021, 9, 161.	1.4	47
8	Defective metabolic programming impairs early neuronal morphogenesis in neural cultures and an organoid model of Leigh syndrome. <i>Nature Communications</i> , 2021, 12, 1929.	5.8	55
9	Dietary-challenged mice with Alzheimer-like pathology show increased energy expenditure and reduced adipocyte hypertrophy and steatosis. <i>Aging</i> , 2021, 13, 10891-10919.	1.4	2
10	Dnmt1 has de novo activity targeted to transposable elements. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 594-603.	3.6	83
11	Deletion of mTOR in liver epithelial cells enhances hepatic metastasis of colon cancer. <i>Journal of Pathology</i> , 2021, 255, 270-284.	2.1	6
12	A BRD4-mediated elongation control point primes transcribing RNA polymerase II for 3 α -processing and termination. <i>Molecular Cell</i> , 2021, 81, 3589-3603.e13.	4.5	31
13	Cell autonomous requirement of neurofibromin (Nf1) for postnatal muscle hypertrophic growth and metabolic homeostasis. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020, 11, 1758-1778.	2.9	8
14	Systematic Surveys of Iron Homeostasis Mechanisms Reveal Ferritin Superfamily and Nucleotide Surveillance Regulation to be Modified by PINK1 Absence. <i>Cells</i> , 2020, 9, 2229.	1.8	9
15	Decreased Mitochondrial DNA Content Drives OXPHOS Dysregulation in Chromophobe Renal Cell Carcinoma. <i>Cancer Research</i> , 2020, 80, 3830-3840.	0.4	9
16	Endocytosis-Mediated Replenishment of Amino Acids Favors Cancer Cell Proliferation and Survival in Chromophobe Renal Cell Carcinoma. <i>Cancer Research</i> , 2020, 80, 5491-5501.	0.4	11
17	Rapid and Culture Free Identification of Francisella in Hare Carcasses by High-Resolution Tandem Mass Spectrometry Proteotyping. <i>Frontiers in Microbiology</i> , 2020, 11, 636.	1.5	8
18	Hypothermic oxygenated perfusion protects from mitochondrial injury before liver transplantation. <i>EBioMedicine</i> , 2020, 60, 103014.	2.7	111

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19	SON and SRRM2 are essential for nuclear speckle formation. <i>ELife</i> , 2020, 9, .	2.8	122
20	Are Hydroethidine-Based Probes Reliable for Reactive Oxygen Species Detection?. <i>Antioxidants and Redox Signaling</i> , 2019, 31, 359-367.	2.5	27
21	PS-168-Novel real time prediction of liver graft function during hypothermic oxygenated machine perfusion prior to liver transplantation. <i>Journal of Hepatology</i> , 2019, 70, e104-e105.	1.8	2
22	Generation of an Atxn2-CAG100 knock-in mouse reveals N-acetylaspartate production deficit due to early Nat8l dysregulation. <i>Neurobiology of Disease</i> , 2019, 132, 104559.	2.1	24
23	Glutathione Metabolism in Renal Cell Carcinoma Progression and Implications for Therapies. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3672.	1.8	61
24	Brain maturation is associated with increasing tissue stiffness and decreasing tissue fluidity. <i>Acta Biomaterialia</i> , 2019, 99, 433-442.	4.1	55
25	Papillary Renal Cell Carcinomas Rewire Glutathione Metabolism and Are Deficient in Both Anabolic Glucose Synthesis and Oxidative Phosphorylation. <i>Cancers</i> , 2019, 11, 1298.	1.7	15
26	Acylcarnitine profiling by low-resolution LC-MS. <i>PLoS ONE</i> , 2019, 14, e0221342.	1.1	16
27	Mutations in NDUFS1 Cause Metabolic Reprogramming and Disruption of the Electron Transfer. <i>Cells</i> , 2019, 8, 1149.	1.8	30
28	Characterization of Lipid and Lipid Droplet Metabolism in Human HCC. <i>Cells</i> , 2019, 8, 512.	1.8	60
29	Mutual Zonated Interactions of Wnt and Hh Signaling Are Orchestrating the Metabolism of the Adult Liver in Mice and Human. <i>Cell Reports</i> , 2019, 29, 4553-4567.e7.	2.9	15
30	In Human and Mouse Spino-Cerebellar Tissue, Ataxin-2 Expansion Affects Ceramide-Sphingomyelin Metabolism. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5854.	1.8	19
31	Novel Real-time Prediction of Liver Graft Function During Hypothermic Oxygenated Machine Perfusion Before Liver Transplantation. <i>Annals of Surgery</i> , 2019, 270, 783-790.	2.1	146
32	Genetic determinants of steatosis and fibrosis progression in paediatric non-alcoholic fatty liver disease. <i>Liver International</i> , 2019, 39, 540-556.	1.9	54
33	HEPATOKIN1 is a biochemistry-based model of liver metabolism for applications in medicine and pharmacology. <i>Nature Communications</i> , 2018, 9, 2386.	5.8	44
34	Human iPSC-Derived Neural Progenitors Are an Effective Drug Discovery Model for Neurological mtDNA Disorders. <i>Cell Stem Cell</i> , 2017, 20, 659-674.e9.	5.2	126
35	Quantitative Global Proteomics of Yeast PBP1 Deletion Mutants and Their Stress Responses Identifies Glucose Metabolism, Mitochondrial, and Stress Granule Changes. <i>Journal of Proteome Research</i> , 2017, 16, 504-515.	1.8	22
36	Defining Human Tyrosine Kinase Phosphorylation Networks Using Yeast as an In Vivo Model Substrate. <i>Cell Systems</i> , 2017, 5, 128-139.e4.	2.9	20

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37	Efficient Prevention of Neurodegenerative Diseases by Depletion of Starvation Response Factor Ataxin-2. <i>Trends in Neurosciences</i> , 2017, 40, 507-516.	4.2	51
38	Ī0 Cells Feature De-Ubiquitination of SLC Transporters and Increased Levels and Fluxes of Amino Acids. <i>International Journal of Molecular Sciences</i> , 2017, 18, 879.	1.8	5
39	Progression of pathology in PINK1-deficient mouse brain from splicing via ubiquitination, ER stress, and mitophagy changes to neuroinflammation. <i>Journal of Neuroinflammation</i> , 2017, 14, 154.	3.1	63
40	Renal oncocytoma characterized by the defective complex I of the respiratory chain boosts the synthesis of the ROS scavenger glutathione. <i>Oncotarget</i> , 2017, 8, 105882-105904.	0.8	32
41	PHF13 is a molecular reader and transcriptional co-regulator of H3K4me2/3. <i>ELife</i> , 2016, 5, .	2.8	22
42	Advantages and Pitfalls of Mass Spectrometry Based Metabolome Profiling in Systems Biology. <i>International Journal of Molecular Sciences</i> , 2016, 17, 632.	1.8	129
43	Serial interactome capture of the human cell nucleus. <i>Nature Communications</i> , 2016, 7, 11212.	5.8	122
44	Ataxin-2 (Atxn2)-Knock-Out Mice Show Branched Chain Amino Acids and Fatty Acids Pathway Alterations. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1728-1739.	2.5	70
45	An Impaired Respiratory Electron Chain Triggers Down-regulation of the Energy Metabolism and De-ubiquitination of Solute Carrier Amino Acid Transporters. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1526-1538.	2.5	19
46	Identification and characterization of DNA sequences that prevent glucocorticoid receptor binding to nearby response elements. <i>Nucleic Acids Research</i> , 2016, 44, 6142-6156.	6.5	10
47	Mutations in Subunits of the Activating Signal Cointegrator 1 Complex Are Associated with Prenatal Spinal Muscular Atrophy and Congenital Bone Fractures. <i>American Journal of Human Genetics</i> , 2016, 98, 473-489.	2.6	56
48	Phosphorylation of the chromatin remodeling factor DPF3a induces cardiac hypertrophy through releasing HEY repressors from DNA. <i>Nucleic Acids Research</i> , 2016, 44, 2538-2553.	6.5	30
49	The long non-coding RNA PARROT is an upstream regulator of c-Myc and affects proliferation and translation. <i>Oncotarget</i> , 2016, 7, 33934-33947.	0.8	6
50	GORAB Missense Mutations Disrupt RAB6 and ARF5 Binding and Golgi Targeting. <i>Journal of Investigative Dermatology</i> , 2015, 135, 2368-2376.	0.3	28
51	Bioenergetic cues shift FXR splicing towards FXR $\hat{1}$ 2 to modulate hepatic lipolysis and fatty acid metabolism. <i>Molecular Metabolism</i> , 2015, 4, 891-902.	3.0	33
52	Recurrent De Novo Mutations Affecting Residue Arg138 of Pyrroline-5-Carboxylate Synthase Cause a Progeroid Form of Autosomal-Dominant Cutis Laxa. <i>American Journal of Human Genetics</i> , 2015, 97, 483-492.	2.6	70
53	Metabolome and Proteome Profiling of Complex I Deficiency Induced by Rotenone. <i>Journal of Proteome Research</i> , 2015, 14, 224-235.	1.8	71
54	Integrative Analysis of Transcriptomics, Proteomics, and Metabolomics Data of White Adipose and Liver Tissue of High-Fat Diet and Rosiglitazone-Treated Insulin-Resistant Mice Identified Pathway Alterations and Molecular Hubs. <i>Journal of Proteome Research</i> , 2014, 13, 5592-5602.	1.8	51

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55	Transcriptomics assisted proteomic analysis of <i>Nicotiana occidentalis</i> infected by <i>Candidatus</i> <i>Phytoplasma mali</i> strain AT. <i>Proteomics</i> , 2014, 14, 1882-1889.	1.3	39
56	A Y2H-seq approach defines the human protein methyltransferase interactome. <i>Nature Methods</i> , 2013, 10, 339-342.	9.0	99
57	Protein Sets Define Disease States and Predict In Vivo Effects of Drug Treatment. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1965-1979.	2.5	29
58	Comprehensive proteomic datasets for studying adipocyte-macrophage cell-cell communication. <i>Proteomics</i> , 2013, 13, 3424-3428.	1.3	7
59	Lipoic Acid Synthetase Deficiency Causes Neonatal-Onset Epilepsy, Defective Mitochondrial Energy Metabolism, and Glycine Elevation. <i>American Journal of Human Genetics</i> , 2011, 89, 792-797.	2.6	104
60	Global Analysis of Ubiquitination. <i>Neuromethods</i> , 2011, , 197-209.	0.2	0
61	Quantitative Analysis of global Ubiquitination in HeLa Cells by Mass Spectrometry. <i>Journal of Proteome Research</i> , 2008, 7, 4566-4576.	1.8	182
62	Tandem Affinity Purification Combined with Mass Spectrometry to Identify Components of Protein Complexes. <i>Methods in Molecular Biology</i> , 2008, 439, 309-326.	0.4	33
63	Loss of Complex I due to Mitochondrial DNA Mutations in Renal Oncocytoma. <i>Clinical Cancer Research</i> , 2008, 14, 2270-2275.	3.2	154
64	Platelet transfusion can mimic somatic mtDNA mutations. <i>Leukemia</i> , 2006, 20, 362-363.	3.3	11
65	Multiplex primer extension analysis for rapid detection of major European mitochondrial haplogroups. <i>Electrophoresis</i> , 2006, 27, 3864-3868.	1.3	21
66	Mitochondrial DNA mutations in renal cell carcinomas revealed no general impact on energy metabolism. <i>British Journal of Cancer</i> , 2006, 94, 268-274.	2.9	58
67	Rapid screening of the entire mitochondrial DNA for low-level heteroplasmic mutations. <i>Mitochondrion</i> , 2005, 5, 282-296.	1.6	43
68	Decrease of mitochondrial DNA content and energy metabolism in renal cell carcinoma. <i>Carcinogenesis</i> , 2004, 25, 1005-1010.	1.3	144
69	Severe depletion of mitochondrial DNA in spinal muscular atrophy. <i>Acta Neuropathologica</i> , 2003, 105, 245-251.	3.9	72