

# Johannes Meiser

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6746947/publications.pdf>

Version: 2024-02-01

27  
papers

2,250  
citations

361045

20  
h-index

500791

28  
g-index

32  
all docs

32  
docs citations

32  
times ranked

3957  
citing authors

#	ARTICLE	IF	CITATIONS
1	Complexity of dopamine metabolism. <i>Cell Communication and Signaling</i> , 2013, 11, 34.	2.7	468
2	Mammals divert endogenous genotoxic formaldehyde into one-carbon metabolism. <i>Nature</i> , 2017, 548, 549-554.	13.7	246
3	Pro-inflammatory Macrophages Sustain Pyruvate Oxidation through Pyruvate Dehydrogenase for the Synthesis of Itaconate and to Enable Cytokine Expression. <i>Journal of Biological Chemistry</i> , 2016, 291, 3932-3946.	1.6	203
4	Posttranslational Regulation of the Iron Deficiency Basic Helix-Loop-Helix Transcription Factor FIT Is Affected by Iron and Nitric Oxide. <i>Plant Physiology</i> , 2011, 157, 2154-2166.	2.3	136
5	Serine one-carbon catabolism with formate overflow. <i>Science Advances</i> , 2016, 2, e1601273.	4.7	128
6	Formate metabolism in health and disease. <i>Molecular Metabolism</i> , 2020, 33, 23-37.	3.0	112
7	Glutathione Restricts Serine Metabolism to Preserve Regulatory T Cell Function. <i>Cell Metabolism</i> , 2020, 31, 920-936.e7.	7.2	109
8	The gut microbial metabolite formate exacerbates colorectal cancer progression. <i>Nature Metabolism</i> , 2022, 4, 458-475.	5.1	97
9	Increased formate overflow is a hallmark of oxidative cancer. <i>Nature Communications</i> , 2018, 9, 1368.	5.8	90
10	CIPK11-Dependent Phosphorylation Modulates FIT Activity to Promote Arabidopsis Iron Acquisition in Response to Calcium Signaling. <i>Developmental Cell</i> , 2019, 48, 726-740.e10.	3.1	89
11	How metabolites modulate metabolic flux. <i>Current Opinion in Biotechnology</i> , 2015, 34, 16-22.	3.3	88
12	Transcriptional and metabolic adaptation of human neurons to the mitochondrial toxicant MPP+. <i>Cell Death and Disease</i> , 2014, 5, e1222-e1222.	2.7	84
13	Dissection of iron signaling and iron accumulation by overexpression of subgroup Ib bHLH039 protein. <i>Scientific Reports</i> , 2017, 7, 10911.	1.6	54
14	Loss of DJ-1 impairs antioxidant response by altered glutamine and serine metabolism. <i>Neurobiology of Disease</i> , 2016, 89, 112-125.	2.1	47
15	Rapid and robust generation of long-term self-renewing human neural stem cells with the ability to generate mature astroglia. <i>Scientific Reports</i> , 2015, 5, 16321.	1.6	44
16	Give it or take it: the flux of one-carbon in cancer cells. <i>FEBS Journal</i> , 2016, 283, 3695-3704.	2.2	34
17	Preferential Extracellular Generation of the Active Parkinsonian Toxin MPP <sup>+</sup> by Transporter-Independent Export of the Intermediate MPDP <sup>+</sup> . <i>Antioxidants and Redox Signaling</i> , 2015, 23, 1001-1016.	2.5	33
18	Formate induces a metabolic switch in nucleotide and energy metabolism. <i>Cell Death and Disease</i> , 2020, 11, 310.	2.7	31

#	ARTICLE	IF	CITATIONS
19	Pharmacological targeting of MTHFD2 suppresses acute myeloid leukemia by inducing thymidine depletion and replication stress. <i>Nature Cancer</i> , 2022, 3, 156-172.	5.7	30
20	Itaconic acid indicates cellular but not systemic immune system activation. <i>Oncotarget</i> , 2018, 9, 32098-32107.	0.8	24
21	Phospho- $\epsilon$ -mutant activity assays provide evidence for alternative phospho- $\epsilon$ -regulation pathways of the transcription factor <sc>FER- $\epsilon$ -LIKE IRON DEFICIENCY-INDUCED TRANSCRIPTION FACTOR</sc>. <i>New Phytologist</i> , 2020, 225, 250-267.	3.5	22
22	Mitochondria preserve an autarkic one-carbon cycle to confer growth-independent cancer cell migration and metastasis. <i>Nature Communications</i> , 2022, 13, 2699.	5.8	20
23	PARK7/DJ-1 promotes pyruvate dehydrogenase activity and maintains Treg homeostasis during ageing. <i>Nature Metabolism</i> , 2022, 4, 589-607.	5.1	18
24	Metabolic Potential of Cancer Cells in Context of the Metastatic Cascade. <i>Cells</i> , 2020, 9, 2035.	1.8	17
25	Cystathionine- $\beta$ -lyase drives antioxidant defense in cysteine-restricted IDH1-mutant astrocytomas. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab057.	0.4	10
26	Looking for the hub in Fe signaling. <i>Plant Signaling and Behavior</i> , 2012, 7, 688-690.	1.2	5
27	DJ1 at the interface between neuro-degeneration and cancer. <i>Oncotarget</i> , 2017, 8, 9015-9016.	0.8	1