

# Gernot Poschet

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

2,889  
citations

279487

23  
h-index

189595

50  
g-index

62  
all docs

62  
docs citations

62  
times ranked

4701  
citing authors

#	ARTICLE	IF	CITATIONS
1	Suppression of antitumor T cell immunity by the oncometabolite (R)-2-hydroxyglutarate. <i>Nature Medicine</i> , 2018, 24, 1192-1203.	15.2	359
2	BCAT1 restricts $\alpha$ -KG levels in AML stem cells leading to IDHmut-like DNA hypermethylation. <i>Nature</i> , 2017, 551, 384-388.	13.7	261
3	IL4I1 Is a Metabolic Immune Checkpoint that Activates the AHR and Promotes Tumor Progression. <i>Cell</i> , 2020, 182, 1252-1270.e34.	13.5	259
4	Proton-driven sucrose symport and antiport are provided by the vacuolar transporters SUC4 and TMT1/2. <i>Plant Journal</i> , 2011, 68, 129-136.	2.8	207
5	Relation between chemotaxis and consumption of amino acids in bacteria. <i>Molecular Microbiology</i> , 2015, 96, 1272-1282.	1.2	121
6	A Novel Arabidopsis Vacuolar Glucose Exporter Is Involved in Cellular Sugar Homeostasis and Affects the Composition of Seed Storage Compounds. <i>Plant Physiology</i> , 2011, 157, 1664-1676.	2.3	119
7	Strigolactone- and Karrikin-Independent SMXL Proteins Are Central Regulators of Phloem Formation. <i>Current Biology</i> , 2017, 27, 1241-1247.	1.8	117
8	Tryptophan metabolism drives dynamic immunosuppressive myeloid states in IDH-mutant gliomas. <i>Nature Cancer</i> , 2021, 2, 723-740.	5.7	110
9	Inhibition of Endothelial Notch Signaling Impairs Fatty Acid Transport and Leads to Metabolic and Vascular Remodeling of the Adult Heart. <i>Circulation</i> , 2018, 137, 2592-2608.	1.6	103
10	Redox-mediated kick-start of mitochondrial energy metabolism drives resource-efficient seed germination. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 741-751.	3.3	96
11	Overexpression of a proton-coupled vacuolar glucose exporter impairs freezing tolerance and seed germination. <i>New Phytologist</i> , 2014, 202, 188-197.	3.5	74
12	Branched-chain ketoacids secreted by glioblastoma cells via MCT1 modulate macrophage phenotype. <i>EMBO Reports</i> , 2017, 18, 2172-2185.	2.0	74
13	MYCN mediates cysteine addiction and sensitizes neuroblastoma to ferroptosis. <i>Nature Cancer</i> , 2022, 3, 471-485.	5.7	73
14	The Metabolic Map into the Pathomechanism and Treatment of PGM1-CDG. <i>American Journal of Human Genetics</i> , 2019, 104, 835-846.	2.6	59
15	Identification and Characterization of AtSTP14, a Novel Galactose Transporter from Arabidopsis. <i>Plant and Cell Physiology</i> , 2010, 51, 1571-1580.	1.5	58
16	The Mitochondrial Sulfur Dioxygenase ETHYLMALONIC ENCEPHALOPATHY PROTEIN1 Is Required for Amino Acid Catabolism during Carbohydrate Starvation and Embryo Development in Arabidopsis. <i>Plant Physiology</i> , 2014, 165, 92-104.	2.3	57
17	Oral D-galactose supplementation in PGM1-CDG. <i>Genetics in Medicine</i> , 2017, 19, 1226-1235.	1.1	55
18	Extensive Regulation of Diurnal Transcription and Metabolism by Glucocorticoids. <i>PLoS Genetics</i> , 2016, 12, e1006512.	1.5	44

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19	The combination of loss of glyoxalase1 and obesity results in hyperglycemia. JCI Insight, 2019, 4, .	2.3	37
20	Selective inhibition of mitochondrial respiratory complexes controls the transition of microglia into a neurotoxic phenotype in situ. Brain, Behavior, and Immunity, 2020, 88, 802-814.	2.0	36
21	Activation of Retinal Angiogenesis in Hyperglycemic <i>pdx1</i> Zebrafish Mutants. Diabetes, 2020, 69, 1020-1031.	0.3	30
22	PII Protein-Derived FRET Sensors for Quantification and Live-Cell Imaging of 2-Oxoglutarate. Scientific Reports, 2017, 7, 1437.	1.6	29
23	Quantitative Analysis of Proteome Modulations in Alveolar Epithelial Type II Cells in Response to Pulmonary <i>Aspergillus fumigatus</i> Infection. Molecular and Cellular Proteomics, 2017, 16, 2184-2198.	2.5	26
24	Impact of pulsed UV stress exposure on plant performance: How recovery periods stimulate secondary metabolism while reducing adaptive growth attenuation. Plant, Cell and Environment, 2019, 42, 801-814.	2.8	25
25	Hypoxia Inducible Factor 1 $\alpha$ Inhibits the Expression of Immunosuppressive Tryptophan-2,3-Dioxygenase in Glioblastoma. Frontiers in Immunology, 2019, 10, 2762.	2.2	22
26	Narrative review of metabolomics in cardiovascular disease. Journal of Thoracic Disease, 2021, 13, 2532-2550.	0.6	20
27	MicroRNA-resistant alleles of <i>HOMEBOX DOMAIN-2</i> modify inflorescence branching and increase grain protein content of wheat. Science Advances, 2022, 8, eabn5907.	4.7	19
28	Evaluation of different stool extraction methods for metabolomics measurements in human faecal samples. BMJ Nutrition, Prevention and Health, 2021, 4, 374-384.	1.9	16
29	ADP-dependent glucokinase regulates energy metabolism via ER-localized glucose sensing. Scientific Reports, 2019, 9, 14248.	1.6	15
30	CNDP1 knockout in zebrafish alters the amino acid metabolism, restrains weight gain, but does not protect from diabetic complications. Cellular and Molecular Life Sciences, 2019, 76, 4551-4568.	2.4	14
31	Population-Specific Metabolic Alterations in Professional Antigen-Presenting Cells Contribute to Sepsis-Associated Immunosuppression. Shock, 2020, 53, 5-15.	1.0	14
32	Abrogating <i>GPT2</i> in triple-negative breast cancer inhibits tumor growth and promotes autophagy. International Journal of Cancer, 2021, 148, 1993-2009.	2.3	14
33	Serum Concentration of Genistein, Luteolin and Colorectal Cancer Prognosis. Nutrients, 2019, 11, 600.	1.7	13
34	Glucocorticoid deficiency causes transcriptional and post-transcriptional reprogramming of glutamine metabolism. EBioMedicine, 2018, 36, 376-389.	2.7	12
35	Comparing Metabolomics Profiles in Various Types of Liquid Biopsies among Screening Participants with and without Advanced Colorectal Neoplasms. Diagnostics, 2021, 11, 561.	1.3	12
36	The function of glutaredoxin GRXS15 is required for lipoyl-dependent dehydrogenases in mitochondria. Plant Physiology, 2021, 186, 1507-1525.	2.3	12

#	ARTICLE	IF	CITATIONS
37	Mitochondrial dysfunction and oxidative stress contribute to cognitive and motor impairment in FOXP1 syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	12
38	A Global Cndp1-Knock-Out Selectively Increases Renal Carnosine and Anserine Concentrations in an Age- and Gender-Specific Manner in Mice. International Journal of Molecular Sciences, 2020, 21, 4887.	1.8	11
39	Regulation of Gluconeogenesis by Aldo-keto-reductase 1a1b in Zebrafish. IScience, 2020, 23, 101763.	1.9	9
40	Prognostic associations of circulating phytoestrogens and biomarker changes in long-term survivors of postmenopausal breast cancer. Nutrition and Cancer, 2020, 72, 1155-1169.	0.9	8
41	Involvement of NDPK-B in Glucose Metabolism-Mediated Endothelial Damage via Activation of the Hexosamine Biosynthesis Pathway and Suppression of O-GlcNAcase Activity. Cells, 2020, 9, 2324.	1.8	8
42	Capsicum Leaves under Stress: Using Multi-Omics Analysis to Detect Abiotic Stress Network of Secondary Metabolism in Two Species. Antioxidants, 2022, 11, 671.	2.2	8
43	A Novel UPLC-MS/MS Method Identifies Organ-Specific Dipeptide Profiles. International Journal of Molecular Sciences, 2021, 22, 9979.	1.8	7
44	Glucosamine protects against neuronal but not vascular damage in experimental diabetic retinopathy. Molecular Metabolism, 2021, 54, 101333.	3.0	7
45	Hypoxia Routes Tryptophan Homeostasis Towards Increased Tryptamine Production. Frontiers in Immunology, 2021, 12, 590532.	2.2	6
46	Deep Metabolic Profiling Assessment of Tissue Extraction Protocols for Three Model Organisms. Frontiers in Chemistry, 2022, 10, 869732.	1.8	6
47	Metabolic and inflammatory reprogramming of macrophages by ONC201 translates in a pro-inflammatory environment even in presence of glioblastoma cells. European Journal of Immunology, 2021, 51, 1246-1261.	1.6	5
48	Metabolic transformations in breast cancer subtypes. Cancer & Metabolism, 2014, 2, .	2.4	3
49	Perioperative changes in the plasma metabolome of patients receiving general anesthesia for pancreatic cancer surgery. Oncotarget, 2021, 12, 996-1010.	0.8	3
50	Metabolic and Transcriptional Adaptations Improve Physical Performance of Zebrafish. Antioxidants, 2021, 10, 1581.	2.2	3
51	UV irradiation-mediated systemic immune suppression through AHR signalling. Journal of Neuroimmunology, 2014, 275, 128-129.	1.1	0
52	Abstract 4973: MYCN mediates cysteine addiction and sensitizes to ferroptosis in cancer cells. , 2018, , .		0