Ernst R Werner

List of Publications by Year
in descending order

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Version: 2024-02-01

41 papers	1,569 citations	430442 18 h-index	315357 38 g-index
42 all docs	42 docs citations	42 times ranked	2512 citing authors

#	Article	IF	Citations
1	Tetrahydrobiopterin: biochemistry and pathophysiology. Biochemical Journal, 2011, 438, 397-414.	1.7	390
2	ChIP-seq and In Vivo Transcriptome Analyses of the Aspergillus fumigatus SREBP SrbA Reveals a New Regulator of the Fungal Hypoxia Response and Virulence. PLoS Pathogens, 2014, 10, e1004487.	2.1	171
3	The <scp>J</scp> anus transcription factor <scp>H</scp> ap <scp>X</scp> controls fungal adaptation to both iron starvation and iron excess. EMBO Journal, 2014, 33, 2261-2276.	3.5	121
4	ThePhysarum polycephalumGenome Reveals Extensive Use of Prokaryotic Two-Component and Metazoan-Type Tyrosine Kinase Signaling. Genome Biology and Evolution, 2016, 8, 109-125.	1.1	87
5	Molecular structural diversity of mitochondrial cardiolipins. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 4158-4163.	3.3	82
6	The TMEM189 gene encodes plasmanylethanolamine desaturase which introduces the characteristic vinyl ether double bond into plasmalogens. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7792-7798.	3.3	79
7	Identification of the gene encoding alkylglycerol monooxygenase defines a third class of tetrahydrobiopterin-dependent enzymes. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 13672-13677.	3.3	74
8	Phospholipid Acyl Chain Diversity Controls the Tissue-Specific Assembly of Mitochondrial Cardiolipins. Cell Reports, 2020, 30, 4281-4291.e4.	2.9	66
9	A gatekeeper helix determines the substrate specificity of SjÃ¶grenâ€“Larsson Syndrome enzyme fatty aldehyde dehydrogenase. Nature Communications, 2014, 5, 4439.	5.8	55
10	Orphan enzymes in ether lipid metabolism. Biochimie, 2013, 95, 59-65.	1.3	51
11	Tetrahydrobiopterin and alkylglycerol monooxygenase substantially alter the murine macrophage lipidome. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2431-2436.	3.3	50
12	Antioxidants and endothelial nitric oxide synthesis. European Journal of Clinical Pharmacology, 2006, 62, 21-28.	0.8	39
13	Cuticle Integrity and Biogenic Amine Synthesis in Caenorhabditis elegans Require the Cofactor Tetrahydrobiopterin (BH4). Genetics, 2015, 200, 237-253.	1.2	33
14	Unequivocal Mapping of Molecular Ether Lipid Species by LCâ€“MS/MS in Plasmalogen-Deficient Mice. Analytical Chemistry, 2020, 92, 11268-11276.	3.2	33
15	Widespread occurrence of glyceryl ether monooxygenase activity in rat tissues detected by a novel assay. Journal of Lipid Research, 2007, 48, 1422-1427.	2.0	26
16	Monitoring of fatty aldehyde dehydrogenase by formation of pyrenedecanoic acid from pyrenedecanal. Journal of Lipid Research, 2010, 51, 1554-1559.	2.0	22
17	Tetrahydrobiopterin Attenuates DSS-evoked Colitis in Mice by Rebalancing Redox and Lipid Signalling. Journal of Crohn's and Colitis, 2016, 10, 965-978.	0.6	22
18	Cell type-specific recycling of tetrahydrobiopterin by dihydrofolate reductase explains differential effects of 7,8-dihydrobiopterin on endothelial nitric oxide synthase uncoupling. Biochemical Pharmacology, 2014, 90, 246-253.	2.0	21

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19	The Emerging Physiological Role of AGMO 10 Years after Its Gene Identification. Life, 2021, 11, 88.	1.1	19
20	Substrate and Cofactor Requirements of Indoleamine 2,3-Dioxygenase in Interferon-Gamma-Treated Cells: Utilization of Oxygen Rather Than Superoxide. Current Drug Metabolism, 2007, 8, 201-203.	0.7	17
21	Studying fatty aldehyde metabolism in living cells with pyrene-labeled compounds. Journal of Lipid Research, 2012, 53, 1410-1416.	2.0	17
22	A novel assay for the introduction of the vinyl ether double bond into plasmalogens using pyrene-labeled substrates. Journal of Lipid Research, 2018, 59, 901-909.	2.0	17
23	When the genome bluffs: a tandem duplication event during generation of a novel Agmo knockout mouse model fools routine genotyping. Cell and Bioscience, 2021, 11, 54.	2.1	12
24	Tricky Isomersâ€"The Evolution of Analytical Strategies to Characterize Plasmalogens and Plasmanyl Ether Lipids. Frontiers in Cell and Developmental Biology, 2022, 10, 864716.	1.8	12
25	Biallelic variants in AGMO with diminished enzyme activity are associated with a neurodevelopmental disorder. Human Genetics, 2019, 138, 1259-1266.	1.8	10
26	The bZIP Transcription Factor HapX Is Post-Translationally Regulated to Control Iron Homeostasis in Aspergillus fumigatus. International Journal of Molecular Sciences, 2021, 22, 7739.	1.8	10
27	Crucial Role for Neuronal Nitric Oxide Synthase in Early Microcirculatory Derangement and Recipient Survival following Murine Pancreas Transplantation. PLoS ONE, 2014, 9, e112570.	1.1	6
28	Sapropterin (BH4) Aggravates Autoimmune Encephalomyelitis in Mice. Neurotherapeutics, 2021, 18, 1862-1879.	2.1	5
29	AGMO Inhibitor Reduces 3T3-L1 Adipogenesis. Cells, 2021, 10, 1081.	1.8	5
30	Biochemical Characterization of AGMO Variants Implicated in Relapses in Visceral Leishmaniasis. Journal of Infectious Diseases, 2018, 217, 1846-1847.	1.9	4
31	Fatty aldehyde dehydrogenase, the enzyme downstream of tetrahydrobiopterin-dependent alkylglycerol monooxygenase. Pteridines, 2013, 24, 105-109.	0.5	3
32	Three classes of tetrahydrobiopterin-dependent enzymes. Pteridines, 2013, 24, 7-11.	0.5	2
33	Essential role of a conserved aspartate for the enzymatic activity of plasmanylethanolamine desaturase. Cellular and Molecular Life Sciences, 2022, 79, 214.	2.4	2
34	Tetrahydrobiopterin protects soluble guanylate cyclase against oxidative inactivation. Pteridines, 2013, 24, 47-50.	0.5	1
35	Expression of full-length human alkylglycerol monooxygenase and fragments in Escherichia coli. Pteridines, 2013, 24, 111-115.	0.5	1
36	First insights into structure-function relationships of alkylglycerol monooxygenase. Pteridines, 2013, 24, 99-103.	0.5	1

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37	38th International Winter-Workshop Clinical, Chemical and Biochemical Aspects of Pteridines and Related Topics Innsbruck, February 26th â€“ March 1st, 2019. Pteridines, 2019, 30, 74-102.	0.5	1
38	Interferon-γ-Induced Growth Inhibition of Neuroblastoma Cells is Independent of Induction of Nitric Oxide Synthase and Indoleamine 2,3-dioxygenase. Pteridines, 2004, 15, 91-96.	0.5	1
39	Adaptations of the 3T3-L1 adipocyte lipidome to defective ether lipid catabolism uponÂAgmoÂknockdown. Journal of Lipid Research, 2022, 63, 100222.	2.0	1
40	Tetrahydrobiopterin attenuates ischemia-reperfusion injury following organ transplantation by targeting the nitric oxide synthase: investigations in an animal model. Pteridines, 2013, 24, 13-19.	0.5	0
41	Tetrahydrobiopterin compounds modulate intracellular signaling and reactive oxygen species levels in an in vitro model of ischemia-reperfusion injury. Pteridines, 2013, 24, 225-235.	0.5	0