

# Ernst R Werner

## List of Publications by Year in descending order

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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	Essential role of a conserved aspartate for the enzymatic activity of plasmalyethanolamine desaturase. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 214.	2.4	2
2	Tricky Isomers—The Evolution of Analytical Strategies to Characterize Plasmalogens and Plasmanyl Ether Lipids. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 864716.	1.8	12
3	Adaptations of the 3T3-L1 adipocyte lipidome to defective ether lipid catabolism upon Agmo knockdown. <i>Journal of Lipid Research</i> , 2022, 63, 100222.	2.0	1
4	When the genome bluffs: a tandem duplication event during generation of a novel Agmo knockout mouse model fools routine genotyping. <i>Cell and Bioscience</i> , 2021, 11, 54.	2.1	12
5	Sapropterin (BH4) Aggravates Autoimmune Encephalomyelitis in Mice. <i>Neurotherapeutics</i> , 2021, 18, 1862-1879.	2.1	5
6	AGMO Inhibitor Reduces 3T3-L1 Adipogenesis. <i>Cells</i> , 2021, 10, 1081.	1.8	5
7	The bZIP Transcription Factor HapX Is Post-Translationally Regulated to Control Iron Homeostasis in <i>Aspergillus fumigatus</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 7739.	1.8	10
8	The Emerging Physiological Role of AGMO 10 Years after Its Gene Identification. <i>Life</i> , 2021, 11, 88.	1.1	19
9	Unequivocal Mapping of Molecular Ether Lipid Species by LC-MS/MS in Plasmalogen-Deficient Mice. <i>Analytical Chemistry</i> , 2020, 92, 11268-11276.	3.2	33
10	Phospholipid Acyl Chain Diversity Controls the Tissue-Specific Assembly of Mitochondrial Cardiolipins. <i>Cell Reports</i> , 2020, 30, 4281-4291.e4.	2.9	66
11	The <i>TMEM189</i> gene encodes plasmalyethanolamine desaturase which introduces the characteristic vinyl ether double bond into plasmalogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7792-7798.	3.3	79
12	Biallelic variants in AGMO with diminished enzyme activity are associated with a neurodevelopmental disorder. <i>Human Genetics</i> , 2019, 138, 1259-1266.	1.8	10
13	38 <sup>th</sup> International Winter-Workshop Clinical, Chemical and Biochemical Aspects of Pteridines and Related Topics Innsbruck, February 26 <sup>th</sup> – March 1 <sup>st</sup> , 2019. <i>Pteridines</i> , 2019, 30, 74-102.	0.5	1
14	Molecular structural diversity of mitochondrial cardiolipins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 4158-4163.	3.3	82
15	A novel assay for the introduction of the vinyl ether double bond into plasmalogens using pyrene-labeled substrates. <i>Journal of Lipid Research</i> , 2018, 59, 901-909.	2.0	17
16	Biochemical Characterization of AGMO Variants Implicated in Relapses in Visceral Leishmaniasis. <i>Journal of Infectious Diseases</i> , 2018, 217, 1846-1847.	1.9	4
17	Tetrahydrobiopterin Attenuates DSS-evoked Colitis in Mice by Rebalancing Redox and Lipid Signalling. <i>Journal of Crohn's and Colitis</i> , 2016, 10, 965-978.	0.6	22
18	The <i>Physarum polycephalum</i> Genome Reveals Extensive Use of Prokaryotic Two-Component and Metazoan-Type Tyrosine Kinase Signaling. <i>Genome Biology and Evolution</i> , 2016, 8, 109-125.	1.1	87

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19	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
20	Cuticle Integrity and Biogenic Amine Synthesis in <i>Caenorhabditis elegans</i> Require the Cofactor Tetrahydrobiopterin (BH4). Genetics, 2015, 200, 237-253.	1.2	33
21	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
22	A gatekeeper helix determines the substrate specificity of SjÄrgrenâ€Larsson Syndrome enzyme fatty aldehyde dehydrogenase. Nature Communications, 2014, 5, 4439.	5.8	55
23	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
24	The <i>J</i> anus transcription factor <i>H</i> ap <i>X</i> controls fungal adaptation to both iron starvation and iron excess. EMBO Journal, 2014, 33, 2261-2276.	3.5	121
25	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
26	Orphan enzymes in ether lipid metabolism. Biochimie, 2013, 95, 59-65.	1.3	51
27	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
28	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
29	Tetrahydrobiopterin protects soluble guanylate cyclase against oxidative inactivation. Pteridines, 2013, 24, 47-50.	0.5	1
30	Expression of full-length human alkylglycerol monooxygenase and fragments in Escherichia coli. Pteridines, 2013, 24, 111-115.	0.5	1
31	Fatty aldehyde dehydrogenase, the enzyme downstream of tetrahydrobiopterin-dependent alkylglycerol monooxygenase. Pteridines, 2013, 24, 105-109.	0.5	3
32	First insights into structure-function relationships of alkylglycerol monooxygenase. Pteridines, 2013, 24, 99-103.	0.5	1
33	Three classes of tetrahydrobiopterin-dependent enzymes. Pteridines, 2013, 24, 7-11.	0.5	2
34	Studying fatty aldehyde metabolism in living cells with pyrene-labeled compounds. Journal of Lipid Research, 2012, 53, 1410-1416.	2.0	17
35	Tetrahydrobiopterin: biochemistry and pathophysiology. Biochemical Journal, 2011, 438, 397-414.	1.7	390
36	Monitoring of fatty aldehyde dehydrogenase by formation of pyrenedecanoic acid from pyrenedecanal. Journal of Lipid Research, 2010, 51, 1554-1559.	2.0	22

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37	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
38	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
39	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
40	Antioxidants and endothelial nitric oxide synthesis. European Journal of Clinical Pharmacology, 2006, 62, 21-28.	0.8	39
41	Interferon- $\gamma$ -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