

# Walter Erhard Mueller

## List of Publications by Year in descending order

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90  
papers

6,949  
citations

38742

50  
h-index

58581

82  
g-index

96  
all docs

96  
docs citations

96  
times ranked

9290  
citing authors

#	ARTICLE	IF	CITATIONS
1	Proteomic and Functional Analyses Reveal a Mitochondrial Dysfunction in P301L Tau Transgenic Mice. <i>Journal of Biological Chemistry</i> , 2005, 280, 23802-23814.	3.4	362
2	Parkinson Phenotype in Aged PINK1-Deficient Mice Is Accompanied by Progressive Mitochondrial Dysfunction in Absence of Neurodegeneration. <i>PLoS ONE</i> , 2009, 4, e5777.	2.5	305
3	Mitochondrion-Derived Reactive Oxygen Species Lead to Enhanced Amyloid Beta Formation. <i>Antioxidants and Redox Signaling</i> , 2012, 16, 1421-1433.	5.4	273
4	Amyloid $\beta$ -induced Changes in Nitric Oxide Production and Mitochondrial Activity Lead to Apoptosis. <i>Journal of Biological Chemistry</i> , 2004, 279, 50310-50320.	3.4	261
5	Hyperforin—a key constituent of St. John's wort specifically activates TRPC6 channels. <i>FASEB Journal</i> , 2007, 21, 4101-4111.	0.5	224
6	Mitochondrial Dysfunction: Common Final Pathway in Brain Aging and Alzheimer's Disease—Therapeutic Aspects. <i>Molecular Neurobiology</i> , 2010, 41, 159-171.	4.0	222
7	Mitochondrial Dysfunction: The First Domino in Brain Aging and Alzheimer's Disease?. <i>Antioxidants and Redox Signaling</i> , 2007, 9, 1659-1676.	5.4	182
8	Chronic Administration of Statins Alters Multiple Gene Expression Patterns in Mouse Cerebral Cortex. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 312, 786-793.	2.5	179
9	Lavender oil preparation Silexan is effective in generalized anxiety disorder—a randomized, double-blind comparison to placebo and paroxetine. <i>International Journal of Neuropsychopharmacology</i> , 2014, 17, 859-869.	2.1	161
10	Cholesterol as a causative factor in Alzheimer's disease: a debatable hypothesis. <i>Journal of Neurochemistry</i> , 2014, 129, 559-572.	3.9	155
11	Neurotoxic Mechanisms Caused by the Alzheimer's Disease-linked Swedish Amyloid Precursor Protein Mutation. <i>Journal of Biological Chemistry</i> , 2003, 278, 28294-28302.	3.4	154
12	Stratified medicine for mental disorders. <i>European Neuropsychopharmacology</i> , 2014, 24, 5-50.	0.7	152
13	Hydroxytyrosol-Rich Olive Mill Wastewater Extract Protects Brain Cells in Vitro and ex Vivo. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 5043-5049.	5.2	151
14	Stabilization of mitochondrial function by Ginkgo biloba extract (EGb 761). <i>Pharmacological Research</i> , 2007, 56, 493-502.	7.1	144
15	Impaired Cu/Zn-SOD activity contributes to increased oxidative damage in APP transgenic mice. <i>Neurobiology of Disease</i> , 2005, 18, 89-99.	4.4	143
16	Statins and neuroprotection. <i>Annals of the New York Academy of Sciences</i> , 2010, 1199, 69-76.	3.8	130
17	Silexan, an orally administered Lavandula oil preparation, is effective in the treatment of a "subsyndromal" anxiety disorder: a randomized, double-blind, placebo controlled trial. <i>International Clinical Psychopharmacology</i> , 2010, 25, 277-287.	1.7	126
18	From Mitochondrial Dysfunction to Amyloid Beta Formation: Novel Insights into the Pathogenesis of Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2012, 46, 186-193.	4.0	125

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19	Mitochondrial Dysfunction – A Pharmacological Target in Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2012, 46, 136-150.	4.0	115
20	Mitochondrial dysfunction in sporadic and genetic Alzheimer's disease. <i>Experimental Gerontology</i> , 2006, 41, 668-673.	2.8	112
21	Stabilization of Mitochondrial Membrane Potential and Improvement of Neuronal Energy Metabolism by Ginkgo Biloba Extract EGb 761. <i>Annals of the New York Academy of Sciences</i> , 2005, 1056, 474-485.	3.8	109
22	A New Link to Mitochondrial Impairment in Tauopathies. <i>Molecular Neurobiology</i> , 2012, 46, 205-216.	4.0	109
23	Effects of Polyphenols on Brain Ageing and Alzheimer's Disease: Focus on Mitochondria. <i>Molecular Neurobiology</i> , 2012, 46, 161-178.	4.0	107
24	Peripheral Mitochondrial Dysfunction in Alzheimer's Disease: Focus on Lymphocytes. <i>Molecular Neurobiology</i> , 2012, 46, 194-204.	4.0	107
25	Regulation of the brain isoprenoids farnesyl- and geranylgeranylpyrophosphate is altered in male Alzheimer patients. <i>Neurobiology of Disease</i> , 2009, 35, 251-257.	4.4	103
26	Specific TRPC6 Channel Activation, a Novel Approach to Stimulate Keratinocyte Differentiation. <i>Journal of Biological Chemistry</i> , 2008, 283, 33942-33954.	3.4	98
27	Silexan in anxiety disorders: Clinical data and pharmacological background. <i>World Journal of Biological Psychiatry</i> , 2018, 19, 412-420.	2.6	96
28	Aging sensitizes toward ROS formation and lipid peroxidation in PS1M146L transgenic mice. <i>Free Radical Biology and Medicine</i> , 2006, 40, 850-862.	2.9	87
29	Omega-3 fatty acids in neurodegenerative diseases: Focus on mitochondria. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2013, 88, 105-114.	2.2	85
30	Lavender Oil-Potent Anxiolytic Properties via Modulating Voltage Dependent Calcium Channels. <i>PLoS ONE</i> , 2013, 8, e59998.	2.5	85
31	Isoprenoids, small GTPases and Alzheimer's disease. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 896-905.	2.4	84
32	Piracetam improves mitochondrial dysfunction following oxidative stress. <i>British Journal of Pharmacology</i> , 2006, 147, 199-208.	5.4	79
33	The interaction of beta-amyloid protein with cellular membranes stimulates its own production. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 964-972.	2.6	78
34	Curcumin prevents mitochondrial dysfunction in the brain of the senescence-accelerated mouse-prone 8. <i>Neurochemistry International</i> , 2013, 62, 595-602.	3.8	76
35	Bcl-2 upregulation and neuroprotection in guinea pig brain following chronic simvastatin treatment. <i>Neurobiology of Disease</i> , 2007, 25, 438-445.	4.4	75
36	Liposome-incorporated DHA increases neuronal survival by enhancing non-amyloidogenic APP processing. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2011, 1808, 236-243.	2.6	75

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37	Ginkgo biloba extract (EGb761 <sup>®</sup> ) influences monoaminergic neurotransmission via inhibition of NE uptake, but not MAO activity after chronic treatment. <i>Pharmacological Research</i> , 2009, 60, 68-73.	7.1	73
38	Mitochondrial Dysfunction. <i>Progress in Molecular Biology and Translational Science</i> , 2014, 127, 183-210.	1.7	73
39	Simvastatin protects neurons from cytotoxicity by up-regulating Bcl-2 mRNA and protein. <i>Journal of Neurochemistry</i> , 2007, 101, 77-86.	3.9	72
40	Triterpenes Promote Keratinocyte Differentiation In Vitro, Ex Vivo and In Vivo: A Role for the Transient Receptor Potential Canonical (subtype) 6. <i>Journal of Investigative Dermatology</i> , 2010, 130, 113-123.	0.7	71
41	TRPC6 channel-mediated neurite outgrowth in PC12 cells and hippocampal neurons involves activation of RAS/MEK/ERK, PI3K, and CAMKIV signaling. <i>Journal of Neurochemistry</i> , 2013, 127, 303-313.	3.9	71
42	Statins, Bcl-2, and Apoptosis: Cell Death or Cell Protection?. <i>Molecular Neurobiology</i> , 2013, 48, 308-314.	4.0	68
43	Cytoprotective effects of olive mill wastewater extract and its main constituent hydroxytyrosol in PC12 cells. <i>Pharmacological Research</i> , 2010, 62, 322-327.	7.1	65
44	Expression and Functional Activity of the Bitter Taste Receptors TAS2R1 and TAS2R38 in Human Keratinocytes. <i>Skin Pharmacology and Physiology</i> , 2015, 28, 137-146.	2.5	65
45	Reduced TRPC Channel Expression in Psoriatic Keratinocytes Is Associated with Impaired Differentiation and Enhanced Proliferation. <i>PLoS ONE</i> , 2011, 6, e14716.	2.5	63
46	Cholesterol asymmetry in synaptic plasma membranes. <i>Journal of Neurochemistry</i> , 2011, 116, 684-689.	3.9	63
47	Effects of the standardized Ginkgo biloba extract EGb 761 <sup>®</sup> on neuroplasticity. <i>International Psychogeriatrics</i> , 2012, 24, S21-S24.	1.0	61
48	Rice bran extract protects from mitochondrial dysfunction in guinea pig brains. <i>Pharmacological Research</i> , 2013, 76, 17-27.	7.1	58
49	Plant derived omega-3-fatty acids protect mitochondrial function in the brain. <i>Pharmacological Research</i> , 2010, 61, 234-241.	7.1	55
50	Efficacy and safety of silexan, a new, orally administered lavender oil preparation, in subthreshold anxiety disorder – evidence from clinical trials. <i>Wiener Medizinische Wochenschrift</i> , 2010, 160, 547-556.	1.1	51
51	Mitochondria: Mitochondrial membranes in brain ageing and neurodegeneration. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 76-80.	2.8	46
52	Therapeutic efficacy of the Ginkgo special extract EGb761 <sup>®</sup> within the framework of the mitochondrial cascade hypothesis of Alzheimer's disease. <i>World Journal of Biological Psychiatry</i> , 2019, 20, 173-189.	2.6	45
53	Better tolerability of St. John's wort extract WS 5570 compared to treatment with SSRIs: a reanalysis of data from controlled clinical trials in acute major depression. <i>International Clinical Psychopharmacology</i> , 2010, 25, 204-213.	1.7	44
54	A Mitochondrial Role of SV2a Protein in Aging and Alzheimer's Disease: Studies with Levetiracetam. <i>Journal of Alzheimer's Disease</i> , 2016, 50, 201-215.	2.6	44

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55	Modulation of Cholesterol, Farnesylpyrophosphate, and Geranylgeranylpyrophosphate in Neuroblastoma SH-SY5Y-APP695 Cells: Impact on Amyloid Beta-Protein Production. <i>Molecular Neurobiology</i> , 2010, 41, 341-350.	4.0	43
56	Rice Bran Extract Compensates Mitochondrial Dysfunction in a Cellular Model of Early Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 43, 927-938.	2.6	43
57	Dimebon Ameliorates Amyloid- $\beta^2$ Induced Impairments of Mitochondrial Form and Function. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 21-32.	2.6	42
58	Mitochondrial Membrane Fluidity is Consistently Increased in Different Models of Huntington Disease: Restorative Effects of Olesoxime. <i>Molecular Neurobiology</i> , 2014, 50, 107-118.	4.0	37
59	Mitochondrial dysfunction induced by disease relevant A $\beta^2$ PP and tau protein mutations. <i>Journal of Alzheimer's Disease</i> , 2006, 9, 139-146.	2.6	33
60	A Cell Model for the Initial Phase of Sporadic Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2014, 42, 395-411.	2.6	33
61	Optical studies on the specific interaction of dipyridamole with $\beta^1$ -acid glycoprotein (orosomuroid). <i>Journal of Pharmacy and Pharmacology</i> , 2011, 34, 152-157.	2.4	32
62	Impaired geranylgeranyltransferase $\beta$ regulation reduces membrane-associated Rho protein levels in aged mouse brain. <i>Journal of Neurochemistry</i> , 2014, 129, 732-742.	3.9	30
63	Mitochondrial Function, Dynamics, and Permeability Transition: A Complex Love Triangle as A Possible Target for the Treatment of Brain Aging and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2018, 64, S455-S467.	2.6	30
64	Changes in prescribed medicines in older patients with multimorbidity and polypharmacy in general practice. <i>BMC Family Practice</i> , 2018, 19, 131.	2.9	30
65	Improved mitochondrial function in brain aging and Alzheimer disease - the new mechanism of action of the old metabolic enhancer piracetam. <i>Frontiers in Neuroscience</i> , 2010, 1, .	2.8	29
66	Enhanced Neuroplasticity by the Metabolic Enhancer Piracetam Associated with Improved Mitochondrial Dynamics and Altered Permeability Transition Pore Function. <i>Neural Plasticity</i> , 2016, 2016, 1-14.	2.2	29
67	Enhancement of proteolytic processing of the $\beta^2$ -amyloid precursor protein by hyperforin. <i>Biochemical Pharmacology</i> , 2003, 66, 2177-2184.	4.4	27
68	Presenilin 1 modifies lipid raft composition of neuronal membranes. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 673-677.	2.1	26
69	<i>Ginkgo biloba</i> extract EGb 761 <sup>®</sup> in the context of current developments in the diagnosis and treatment of age-related cognitive decline and Alzheimer's disease: a research perspective. <i>International Psychogeriatrics</i> , 2012, 24, S46-S50.	1.0	26
70	Brain Isoprenoids Farnesyl Pyrophosphate and Geranylgeranyl Pyrophosphate are Increased in Aged Mice. <i>Molecular Neurobiology</i> , 2012, 46, 179-185.	4.0	24
71	Mitochondrial Pharmacology of Dimebon (Latrepidine) Calls for a New Look at its Possible Therapeutic Potential in Alzheimer's Disease. , 2018, 9, 729.		23
72	Simvastatin Stimulates Production of the Antiapoptotic Protein Bcl-2 via Endothelin-1 and NFATc3 in SH-SY5Y Cells. <i>Molecular Neurobiology</i> , 2010, 41, 384-391.	4.0	22

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73	Improvement of mitochondrial function and dynamics by the metabolic enhancer piracetam. <i>Biochemical Society Transactions</i> , 2013, 41, 1331-1334.	3.4	22
74	A rapid and sensitive assay for determining human brain levels of farnesyl-(FPP) and geranylgeranylpyrophosphate (GGPP) and transferase activities using UHPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1801-1808.	3.7	20
75	Psychotropic drug competition for [3H]imipramine binding further indicates the presence of only one high-affinity drug binding site on human I±1-acid glycoprotein. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 35, 684-686.	2.4	19
76	Pharmacological basis of the anxiolytic and antidepressant properties of Silexan® <sup>®</sup> , an essential oil from the flowers of lavender. <i>Neurochemistry International</i> , 2021, 143, 104899.	3.8	17
77	Generic switch after ramipril patent expiry is not associated with decreased pharmacy refill compliance. <i>Journal of Hypertension</i> , 2011, 29, 1837-1845.	0.5	16
78	Neurotrophic Properties of Silexan, an Essential Oil from the Flowers of Lavender-Preclinical Evidence for Antidepressant-Like Properties. <i>Pharmacopsychiatry</i> , 2021, 54, 37-46.	3.3	12
79	Cardiac Oxidative Stress and Inflammation are Similar in SAMP8 and SAMR1 Mice and Unaltered by Curcumin and Ginkgo biloba Extract Intake. <i>Current Pharmaceutical Biotechnology</i> , 2010, 11, 861-867.	1.6	11
80	Olesoxime improves cerebral mitochondrial dysfunction and enhances Aβ <sup>2</sup> levels in preclinical models of Alzheimer's disease. <i>Experimental Neurology</i> , 2020, 329, 113286.	4.1	10
81	Treatment duration (persistence) of basal insulin supported oral therapy (BOT) in Type-2 diabetic patients: comparison of insulin glargine with NPH insulin. <i>International Journal of Clinical Pharmacology and Therapeutics</i> , 2012, 50, 24-32.	0.6	10
82	Mitochondrial Dysfunction as a Causative Factor in Alzheimer's Disease-Spectrum Disorders: Lymphocytes as a Window to the Brain. <i>Current Alzheimer Research</i> , 2021, 18, 733-752.	1.4	8
83	No Abuse Potential of Silexan in Healthy Recreational Drug Users: A Randomized Controlled Trial. <i>International Journal of Neuropsychopharmacology</i> , 2021, 24, 171-180.	2.1	6
84	Foreword. <i>Molecular Neurobiology</i> , 2012, 46, 1-2.	4.0	4
85	Adherence to antihypertensives: feasibility of two self-report instruments to investigate medication-taking behaviour in German community pharmacies. <i>International Journal of Pharmacy Practice</i> , 2013, 21, 169-177.	0.6	3
86	Editorial: Siegfried Hoyer's concept of Alzheimer pathophysiology. <i>Journal of Neural Transmission</i> , 2015, 122, 495-497.	2.8	2
87	Effects of 7,8-Dihydroxyflavone on Lipid Isoprenoid and Rho Protein Levels in Brains of Aged C57BL/6 Mice. <i>NeuroMolecular Medicine</i> , 2021, 23, 130-139.	3.4	2
88	Antidepressants: <i>Pharmacology and Biochemistry</i> . , 2021, , 1-26.		0
89	Medikamente in der Akut- und Notfallpsychiatrie. , 2017, , 41-53.		0
90	Störungen der Neurobiochemie und Signaltransduktion als Grundlage psychischer Erkrankungen. , 2017, , 245-278.		0