

Erik Walum

List of Publications by Year in descending order

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70
papers

2,023
citations

257450

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243625

44
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docs citations

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times ranked

1119
citing authors

#	ARTICLE	IF	CITATIONS
1	A small molecule inhibitor of Nox2 and Nox4 improves contractile function after ischemiaâ€“reperfusion in the mouse heart. <i>Scientific Reports</i> , 2021, 11, 11970.	3.3	19
2	Effect of NADPH oxidase inhibitors in an experimental retinal model of excitotoxicity. <i>Experimental Eye Research</i> , 2020, 200, 108232.	2.6	11
3	A novel NADPH oxidase inhibitor targeting Nox4 in TGFÎ²-induced lens epithelial to mesenchymal transition. <i>Experimental Eye Research</i> , 2019, 185, 107692.	2.6	11
4	The novel NADPH oxidase 4 selective inhibitor GLX7013114 counteracts human islet cell death in vitro. <i>PLoS ONE</i> , 2018, 13, e0204271.	2.5	50
5	Scandinavian Society for Cell Toxicology â€“ Thirty Years of Scientific Pioneering. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2014, 115, 88-92.	2.5	4
6	The Tenth Anniversary of the BjÃ¶rn Ekwall Memorial Foundation. <i>ATLA Alternatives To Laboratory Animals</i> , 2011, 39, 389-402.	1.0	3
7	BjÃ¶rn Ekwall, an outstanding Swedish cell toxicologist. <i>Toxicology in Vitro</i> , 2010, 24, 2060-2062.	2.4	5
8	ApoB100-LDL Acts as a Metabolic Signal from Liver to Peripheral Fat Causing Inhibition of Lipolysis in Adipocytes. <i>PLoS ONE</i> , 2008, 3, e3771.	2.5	23
9	Insulin and IGF-1 Mediated Inhibition of Apoptosis in CHO Cells Grown in Suspension in a Protein-free Medium. <i>ATLA Alternatives To Laboratory Animals</i> , 2007, 35, 349-352.	1.0	9
10	Temperature Dependence of O ₂ Consumption; Opposite Effects of Leptin and Etomoxir on Respiratory Quotient in Mice. <i>Obesity</i> , 2006, 14, 673-682.	3.0	34
11	Research perspectives for pre-screening alternatives to animal experimentation On the relevance of cytotoxicity measurements, barrier passage determinations and high throughput screening in vitro to select potentially hazardous compounds in large sets of chemicals. <i>Toxicology and Applied Pharmacology</i> , 2005, 207, 393-397.	2.8	22
12	Test Validation: From Animal Data Comparison to Prospective Evaluation. <i>ATLA Alternatives To Laboratory Animals</i> , 2001, 29, 307-308.	1.0	1
13	Induction of VEGF and VEGF receptors in the spinal cord after mechanical spinal injury and prostaglandin administration. <i>European Journal of Neuroscience</i> , 2000, 12, 3675-3686.	2.6	97
14	Acute Oral Toxicity. <i>Environmental Health Perspectives</i> , 1998, 106, 497.	6.0	44
15	MEIC Evaluation of Acute Systemic Toxicity. <i>ATLA Alternatives To Laboratory Animals</i> , 1998, 26, 617-658.	1.0	101
16	MEIC Evaluation of Acute Systemic Toxicity. <i>ATLA Alternatives To Laboratory Animals</i> , 1998, 26, 93-129.	1.0	50
17	MEIC Evaluation of Acute Systemic Toxicity. <i>ATLA Alternatives To Laboratory Animals</i> , 1998, 26, 131-183.	1.0	54
18	MEIC Evaluation of Acute Systemic Toxicity. <i>ATLA Alternatives To Laboratory Animals</i> , 1998, 26, 571-616.	1.0	36

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19	Rapid Metabolic Responses to Prostaglandins in Cultured Cells Expressing the FP-Receptor. <i>Advances in Experimental Medicine and Biology</i> , 1997, 407, 231-236.	1.6	0
20	Polygodial induces inositol phosphate turnover in human neuroblastoma SH-SY5Y cells. <i>Neuroscience Letters</i> , 1996, 217, 50-54.	2.1	7
21	MEIC Evaluation of Acute Systemic Toxicity. <i>ATLA Alternatives To Laboratory Animals</i> , 1996, 24, 251-272.	1.0	58
22	MEIC Evaluation of Acute Systemic Toxicity. <i>ATLA Alternatives To Laboratory Animals</i> , 1996, 24, 273-311.	1.0	102
23	Dynamic Qualities of Validation and the Evolution of New <i>In Vitro</i> Toxicological Tests. <i>ATLA Alternatives To Laboratory Animals</i> , 1996, 24, 333-338.	1.0	9
24	Acute Toxicity Testing in Vitro and the Classification and Labelling of Chemicals. <i>ATLA Alternatives To Laboratory Animals</i> , 1996, 24, 499-510.	1.0	47
25	Final MEIC Results within Reach. <i>ATLA Alternatives To Laboratory Animals</i> , 1996, 24, 249-249.	1.0	16
26	Sodium-dependent glutamate uptake as an activator of oxidative metabolism in primary astrocyte cultures from newborn rat. <i>Glia</i> , 1995, 15, 152-156.	4.9	76
27	USE OF PRIMARY CULTURES AND CONTINUOUS CELL LINES TO STUDY EFFECTS ON ASTROCYTIC REGULATORY FUNCTIONS. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1995, 22, 284-287.	1.9	3
28	Measurement of Cell Membrane Toxicity by Means of 2-Deoxy-D-Glucose. , 1995, 43, 129-135.		1
29	Determination of Critical Cellular Neurotoxic Concentrations in Human Neuroblastoma (SH-SY5Y) Cell Cultures. <i>ATLA Alternatives To Laboratory Animals</i> , 1995, 23, 800-811.	1.0	27
30	Sesquiterpenoid unsaturated dialdehydes increase the concentration of intracellular free Ca ²⁺ in human neuroblastoma SH-SY5Y cells. <i>Natural Toxins</i> , 1994, 2, 89-95.	1.0	8
31	<i>In Vitro</i> Neurotoxicity Testing. <i>ATLA Alternatives To Laboratory Animals</i> , 1994, 22, 350-362.	1.0	36
32	Monoamine oxidase in astrocytes. <i>Glia</i> , 1993, 8, 122-132.	4.9	108
33	In Vitro Test Validation: Should it Obey Laws, Recognise Uncertainty Principles or Follow Scientific Practices?. <i>ATLA Alternatives To Laboratory Animals</i> , 1992, 20, 502-503.	1.0	6
34	The effect of six sesquiterpenoid unsaturated dialdehydes on cell membrane permeability in human neuroblastoma SH-SY5Y cells. <i>Chemico-Biological Interactions</i> , 1992, 84, 85-95.	4.0	13
35	ECITTS: An Integrated Approach to the Application of In Vitro Test Systems to the Hazard Assessment of Chemicals,. <i>ATLA Alternatives To Laboratory Animals</i> , 1992, 20, 406-428.	1.0	56
36	Effects of Carbon Tetrachloride on Perfused Cultures of Hepatic and Neuronal Cells. <i>ATLA Alternatives To Laboratory Animals</i> , 1992, 20, 235-239.	1.0	2

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37	The Development, Validation and Acceptance of In Vitro Toxicity Tests. , 1991, , 291-312.		4
38	Validation of In Vitro Cytotoxicity Tests – Past and Present Strategies. ATLA Alternatives To Laboratory Animals, 1991, 19, 226-233.	1.0	23
39	A Method Based on the Roller Chamber Technique for Determination of CO ₂ Production in Cultured Cells: Effects of Acrylamide in Neuroblastoma N1E115 Cultures. ATLA Alternatives To Laboratory Animals, 1991, 19, 199-203.	1.0	2
40	Differential effect of carbon tetrachloride on the cell membranes of neurons and astrocytes. Neurotoxicology and Teratology, 1990, 12, 597-602.	2.4	11
41	<i>In Vitro</i> Testing of Neurotoxicity. ATLA Alternatives To Laboratory Animals, 1990, 18, 153-179.	1.0	26
42	Report and Recommendations of the CAAT/ERGATT Workshop on the Validation of Toxicity Test Procedures. ATLA Alternatives To Laboratory Animals, 1990, 18, 313-337.	1.0	201
43	Report and Recommendations of an International Workshop on Promotion of the Regulatory Acceptance of Validated Non-animal Toxicity Test Procedures. ATLA Alternatives To Laboratory Animals, 1990, 18, 339-344.	1.0	50
44	Multivariate Validation of Cell Toxicity Data: The First Ten MEIC Chemicals. ATLA Alternatives To Laboratory Animals, 1990, 17, 237-239.	1.0	9
45	A Comparative Study of the Effects of Carbon Tetrachloride on Neurons, Astrocytes and Hepatocytes. ATLA Alternatives To Laboratory Animals, 1990, 17, 168-173.	1.0	2
46	MEIC – A new international multicenter project to evaluate the relevance to human toxicity of in vitro cytotoxicity tests. Cell Biology and Toxicology, 1989, 5, 331-347.	5.3	176
47	Cytotoxicity Evaluation of the First Ten MEIC Chemicals: Acute Lethal Toxicity in Man Predicted by Cytotoxicity in Five Cellular Assays and by Oral LD50 Tests in Rodents. ATLA Alternatives To Laboratory Animals, 1989, 17, 83-100.	1.0	105
48	Effects of Carbon Tetrachloride on Neuronal Differentiation in Rat Embryo Mid-Brain Micromass Cultures. ATLA Alternatives To Laboratory Animals, 1989, 16, 287-292.	1.0	5
49	Differential Effects of Allyl Alcohol on Hepatocytes and Fibroblasts Demonstrated in Roller Chamber Co-Cultures. ATLA Alternatives To Laboratory Animals, 1988, 15, 208-213.	1.0	10
50	Acrylamide, 2,5-Hexanedione and Î ² -Aminopropionitrile Toxicity Tested in Rat Embryo Mid-brain Cell Cultures. ATLA Alternatives To Laboratory Animals, 1988, 15, 238-244.	1.0	4
51	Instructions for Participants in the Multicentre Evaluation Study of in Vitro Cytotoxicity (MEIC). ATLA Alternatives To Laboratory Animals, 1988, 15, 191-193.	1.0	8
52	The Fourth Scandinavian Society for Cell Toxicology Congress on Toxicity Testing in Cellular Systems. ATLA Alternatives To Laboratory Animals, 1987, 14, 142-142.	1.0	2
53	Oxidative metabolism in cultured astroglial cells from rat brain. International Journal of Developmental Neuroscience, 1986, 4, 35-39.	1.6	6
54	Lipid peroxidation and activities of tyrosine aminotransferase and glutamine synthetase in hepatoma and glioma cells grown in bovine colostrum-supplemented medium. In Vitro Cellular & Developmental Biology, 1986, 22, 259-262.	1.0	6

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55	Use of a perfusion technique for measurements of respiratory activity in cultured cells. <i>In Vitro Cellular & Developmental Biology</i> , 1985, 21, 622-626.	1.0	5
56	Effects of toxic chemicals on the respiratory activity of cultured mouse neuroblastoma cells. <i>Xenobiotica</i> , 1985, 15, 727-733.	1.1	11
57	Effects of Dissolved Carbon Monoxide on the Respiratory Activity of Perfused Neuronal and Muscle Cell Cultures. <i>Journal of Toxicology: Clinical Toxicology</i> , 1985, 23, 299-308.	1.5	5
58	Trends in Scandinavian Cell Toxicology. <i>ATLA Alternatives To Laboratory Animals</i> , 1985, 13, 162-179.	1.0	5
59	On the application of cultured neuroblastoma cells in chemical toxicity screening. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 1984, 13, 511-520.	2.3	35
60	Cytotoxicity of cyclophosphamide and acrylamide in glioma and neuroblastoma cell lines cocultured with liver cells. <i>Toxicology Letters</i> , 1984, 20, 251-256.	0.8	19
61	Effects of Subacute Concentrations of Acrylamide on the Morphology of Cultured Mouse Neuroblastoma N1E115 Cells: A Time-lapse Cinemicrographic Study. <i>ATLA Alternatives To Laboratory Animals</i> , 1984, 12, 33-41.	1.0	7
62	Growth and morphology of neuronal cell lines cultured in perfusion. <i>In Vitro</i> , 1983, 19, 875-880.	1.2	20
63	On the Application of Cultured Neuronal Cell Lines in Neurotoxicological Studies: Cytotoxicity of Acrylamide. <i>ATLA Alternatives To Laboratory Animals</i> , 1983, 11, 135-145.	1.0	1
64	On the Application of Cultured Neuronal Cell Lines in Neurotoxicological Studies: Implications of Acrylamide-induced Neurite Disintegration. <i>ATLA Alternatives To Laboratory Animals</i> , 1983, 11, 194-203.	1.0	2
65	Temperature dependence of membrane permeability in cultured cells exposed to benzene and phenol. <i>Biochemical and Biophysical Research Communications</i> , 1982, 108, 948-952.	2.1	6
66	Tritiated 2-deoxy-d-glucose as a probe for cell membrane permeability studies. <i>Analytical Biochemistry</i> , 1982, 120, 8-11.	2.4	59
67	Membrane lesions in cultured mouse neuroblastoma cells exposed to metal compounds. <i>Toxicology</i> , 1982, 25, 67-74.	4.2	25
68	Uptake and release of choline in cultures of human glioma cells. <i>Cellular and Molecular Neurobiology</i> , 1981, 1, 389-399.	3.3	7
69	Differentiation of cultured neuroblastoma cells by urea derivatives. <i>FEBS Letters</i> , 1979, 104, 401-404.	2.8	10
70	Counter transport of glutamine and choline in cultures of human glioma cells. <i>Biochemical and Biophysical Research Communications</i> , 1979, 88, 1271-1274.	2.1	7