

Erik Walum

List of Publications by Year in descending order

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citations

257450

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docs citations

71
times ranked

1119
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Monoamine oxidase— in astrocytes. Glia, 1993, 8, 122-132.	4.9	108
4	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
5	MEIC Evaluation of Acute Systemic Toxicity. ATLA Alternatives To Laboratory Animals, 1996, 24, 273-311.	1.0	102
6	MEIC Evaluation of Acute Systemic Toxicity. ATLA Alternatives To Laboratory Animals, 1998, 26, 617-658.	1.0	101
7	Induction of VEGF and VEGF receptors in the spinal cord after mechanical spinal injury and prostaglandin administration. European Journal of Neuroscience, 2000, 12, 3675-3686.	2.6	97
8	Sodium-dependent glutamate uptake as an activator of oxidative metabolism in primary astrocyte cultures from newborn rat. Glia, 1995, 15, 152-156.	4.9	76
9	Tritiated 2-deoxy-d-glucose as a probe for cell membrane permeability studies. Analytical Biochemistry, 1982, 120, 8-11.	2.4	59
10	MEIC Evaluation of Acute Systemic Toxicity. ATLA Alternatives To Laboratory Animals, 1996, 24, 251-272.	1.0	58
11	ECITTS: An Integrated Approach to the Application of In Vitro Test Systems to the Hazard Assessment of Chemicals., ATLA Alternatives To Laboratory Animals, 1992, 20, 406-428.	1.0	56
12	MEIC Evaluation of Acute Systemic Toxicity. ATLA Alternatives To Laboratory Animals, 1998, 26, 131-183.	1.0	54
13	The novel NADPH oxidase 4 selective inhibitor GLX7013114 counteracts human islet cell death in vitro. PLoS ONE, 2018, 13, e0204271.	2.5	50
14	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
15	MEIC Evaluation of Acute Systemic Toxicity. ATLA Alternatives To Laboratory Animals, 1998, 26, 93-129.	1.0	50
16	Acute Toxicity Testing in Vitro and the Classification and Labelling of Chemicals. ATLA Alternatives To Laboratory Animals, 1996, 24, 499-510.	1.0	47
17	Acute Oral Toxicity. Environmental Health Perspectives, 1998, 106, 497.	6.0	44
18	<i>In Vitro</i> Neurotoxicity Testing. ATLA Alternatives To Laboratory Animals, 1994, 22, 350-362.	1.0	36

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19	MEIC Evaluation of Acute Systemic Toxicity. <i>ATLA Alternatives To Laboratory Animals</i> , 1998, 26, 571-616.	1.0	36
20	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
21	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
22	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
23	<i>In Vitro</i> Testing of Neurotoxicity. <i>ATLA Alternatives To Laboratory Animals</i> , 1990, 18, 153-179.	1.0	26
24	Membrane lesions in cultured mouse neuroblastoma cells exposed to metal compounds. <i>Toxicology</i> , 1982, 25, 67-74.	4.2	25
25	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
26	Validation of In Vitro Cytotoxicity Tests – Past and Present Strategies. <i>ATLA Alternatives To Laboratory Animals</i> , 1991, 19, 226-233.	1.0	23
27	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
28	Growth and morphology of neuronal cell lines cultured in perfusion. <i>In Vitro</i> , 1983, 19, 875-880.	1.2	20
29	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
30	A small molecule inhibitor of Nox2 and Nox4 improves contractile function after ischemia–reperfusion in the mouse heart. <i>Scientific Reports</i> , 2021, 11, 11970.	3.3	19
31	Final MEIC Results within Reach. <i>ATLA Alternatives To Laboratory Animals</i> , 1996, 24, 249-249.	1.0	16
32	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
33	Effects of toxic chemicals on the respiratory activity of cultured mouse neuroblastoma cells. <i>Xenobiotica</i> , 1985, 15, 727-733.	1.1	11
34	Differential effect of carbon tetrachloride on the cell membranes of neurons and astrocytes. <i>Neurotoxicology and Teratology</i> , 1990, 12, 597-602.	2.4	11
35	A novel NADPH oxidase inhibitor targeting Nox4 in TGF β ² -induced lens epithelial to mesenchymal transition. <i>Experimental Eye Research</i> , 2019, 185, 107692.	2.6	11
36	Effect of NADPH oxidase inhibitors in an experimental retinal model of excitotoxicity. <i>Experimental Eye Research</i> , 2020, 200, 108232.	2.6	11

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37	Differentiation of cultured neuroblastoma cells by urea derivatives. FEBS Letters, 1979, 104, 401-404.	2.8	10
38	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
39	Insulin and IGF-1 Mediated Inhibition of Apoptosis in CHO Cells Grown in Suspension in a Protein-free Medium. ATLA Alternatives To Laboratory Animals, 2007, 35, 349-352.	1.0	9
40	Dynamic Qualities of Validation and the Evolution of New <i>In Vitro</i> Toxicological Tests. ATLA Alternatives To Laboratory Animals, 1996, 24, 333-338.	1.0	9
41	Multivariate Validation of Cell Toxicity Data: The First Ten MEIC Chemicals. ATLA Alternatives To Laboratory Animals, 1990, 17, 237-239.	1.0	9
42	Sesquiterpenoid unsaturated dialdehydes increase the concentration of intracellular free Ca ²⁺ in human neuroblastoma SH-SY5Y cells. Natural Toxins, 1994, 2, 89-95.	1.0	8
43	Instructions for Participants in the Multicentre Evaluation Study of <i>In Vitro</i> Cytotoxicity (MEIC). ATLA Alternatives To Laboratory Animals, 1988, 15, 191-193.	1.0	8
44	Counter transport of glutamine and choline in cultures of human glioma cells. Biochemical and Biophysical Research Communications, 1979, 88, 1271-1274.	2.1	7
45	Uptake and release of choline in cultures of human glioma cells. Cellular and Molecular Neurobiology, 1981, 1, 389-399.	3.3	7
46	Polygodial induces inositol phosphate turnover in human neuroblastoma SH-SY5Y cells. Neuroscience Letters, 1996, 217, 50-54.	2.1	7
47	Effects of Subacute Concentrations of Acrylamide on the Morphology of Cultured Mouse Neuroblastoma N1E115 Cells: A Time-lapse Cinemicrographic Study. ATLA Alternatives To Laboratory Animals, 1984, 12, 33-41.	1.0	7
48	Temperature dependence of membrane permeability in cultured cells exposed to benzene and phenol. Biochemical and Biophysical Research Communications, 1982, 108, 948-952.	2.1	6
49	Oxidative metabolism in cultured astroglial cells from rat brain. International Journal of Developmental Neuroscience, 1986, 4, 35-39.	1.6	6
50	Lipid peroxidation and activities of tyrosine aminotransferase and glutamine synthetase in hepatoma and glioma cells grown in bovine colostrum-supplemented medium. <i>In Vitro Cellular & Developmental Biology</i> , 1986, 22, 259-262.	1.0	6
51	<i>In Vitro</i> Test Validation: Should it Obey Laws, Recognise Uncertainty Principles or Follow Scientific Practices?. ATLA Alternatives To Laboratory Animals, 1992, 20, 502-503.	1.0	6
52	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
53	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
54	Björn Ekwall, an outstanding Swedish cell toxicologist. <i>Toxicology in Vitro</i> , 2010, 24, 2060-2062.	2.4	5

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55	Trends in Scandinavian Cell Toxicology. ATLA Alternatives To Laboratory Animals, 1985, 13, 162-179.	1.0	5
56	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
57	Scandinavian Society for Cell Toxicology â€™ Thirty Years of Scientific Pioneering. Basic and Clinical Pharmacology and Toxicology, 2014, 115, 88-92.	2.5	4
58	The Development, Validation and Acceptance of In Vitro Toxicity Tests. , 1991, , 291-312.		4
59	Acrylamide, 2,5-Hexanedione and Î²-Aminopropionitrile Toxicity Tested in Rat Embryo Mid-brain Cell Cultures. ATLA Alternatives To Laboratory Animals, 1988, 15, 238-244.	1.0	4
60	USE OF PRIMARY CULTURES AND CONTINUOUS CELL LINES TO STUDY EFFECTS ON ASTROCYTIC REGULATORY FUNCTIONS. Clinical and Experimental Pharmacology and Physiology, 1995, 22, 284-287.	1.9	3
61	The Tenth Anniversary of the BjÃ¶rn Ekwall Memorial Foundation. ATLA Alternatives To Laboratory Animals, 2011, 39, 389-402.	1.0	3
62	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
63	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
64	Effects of Carbon Tetrachloride on Perfused Cultures of Hepatic and Neuronal Cells. ATLA Alternatives To Laboratory Animals, 1992, 20, 235-239.	1.0	2
65	On the Application of Cultured Neuronal Cell Lines in Neurotoxicological Studies: Implications of Acrylamide-induced Neurite Disintegration. ATLA Alternatives To Laboratory Animals, 1983, 11, 194-203.	1.0	2
66	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
67	Measurement of Cell Membrane Toxicity by Means of 2-Deoxy-D-Glucose. , 1995, 43, 129-135.		1
68	Test Validation: From Animal Data Comparison to Prospective Evaluation. ATLA Alternatives To Laboratory Animals, 2001, 29, 307-308.	1.0	1
69	On the Application of Cultured Neuronal Cell Lines in Neurotoxicological Studies: Cytotoxicity of Acrylamide. ATLA Alternatives To Laboratory Animals, 1983, 11, 135-145.	1.0	1
70	Rapid Metabolic Responses to Prostaglandins in Cultured Cells Expressing the FP-Receptor. Advances in Experimental Medicine and Biology, 1997, 407, 231-236.	1.6	0