Christoph van Thriel

List of Publications by Year
in descending order

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103	3,552	156536	182931
papers	citations	32 h-index	54 g-index

106	106	106	3789
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of Biological and Lifestyle Factors on Cognitive Aging and Work Ability in the Dortmund Vital Study: Protocol of an Interdisciplinary, Cross-sectional, and Longitudinal Study. JMIR Research Protocols, 2022, 11, e32352.	0.5	18
2	Digital research data: from analysis of existing standards to a scientific foundation for a modular metadata schema in nanosafety. Particle and Fibre Toxicology, 2022, 19, 1.	2.8	13
3	How Structured Metadata Acquisition Contributes to the Reproducibility of Nanosafety Studies: Evaluation by a Round-Robin Test. Nanomaterials, 2022, 12, 1053.	1.9	1
4	Association of exposure to manganese and fine motor skills in welders - Results from the WELDOX II study. NeuroToxicology, 2021, 82, 137-145.	1.4	3
5	Direct Current Stimulation in Cell Culture Systems and Brain Slicesâ€"New Approaches for Mechanistic Evaluation of Neuronal Plasticity and Neuromodulation: State of the Art. Cells, 2021, 10, 3583.	1.8	3
6	Development of a neural rosette formation assay (RoFA) to identify neurodevelopmental toxicants and to characterize their transcriptome disturbances. Archives of Toxicology, 2020, 94, 151-171.	1.9	32
7	Aluminium affects neurospheres at human in vivo relevant concentrations. Archives of Toxicology, 2020, 94, 3601-3602.	1.9	0
8	Sniffinâ€™ Sticks and Olfactometer-Based Odor Thresholds for n-Butanol: Correspondence and Validity for Indoor Air Scenarios. Atmosphere, 2020, 11, 472.	1.0	5
9	A short-term inhalation study to assess the reversibility of sensory irritation in human volunteers. Archives of Toxicology, 2020, 94, 1687-1701.	1.9	3
10	Neurotoxicology of Nanomaterials. Chemical Research in Toxicology, 2020, 33, 1121-1144.	1.7	63
11	â€œSymptoms associated with environmental factorsâ€•(SAEF) â€“ Towards a paradigm shift regarding â€œidiopathic environmental intoleranceâ€•and related phenomena. Journal of Psychosomatic Research, 2020, 131, 109955.	1.2	19
12	Spatiotemporal Processing of Bimodal Odor Lateralization in the Brain Using Electroencephalography Microstates and Source Localization. Frontiers in Neuroscience, 2020, 14, 620723.	1.4	4
13	Neurotoxicology: an update on epidemiology, mechanisms, and pathology. Acta Neuropathologica, 2019, 138, 339-341.	3.9	0
14	Prediction of human drug-induced liver injury (DILI) in relation to oral doses and blood concentrations. Archives of Toxicology, 2019, 93, 1609-1637.	1.9	86
15	Mechanical strain mimicking breathing amplifies alterations in gene expression induced by SiO₂ NPs in lung epithelial cells. Nanotoxicology, 2019, 13, 1227-1243.	1.6	7
16	Impairment of Motor Function Correlates with Neurometabolite and Brain Iron Alterations in Parkinsonâ€™s Disease. Cells, 2019, 8, 96.	1.8	28
17	Lignans and sesquiterpene lactones from Hypochaeris radicata subsp. neapolitana (Asteraceae,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	6
18	Association of exposure to manganese and iron with relaxation rates R1 and R2*- magnetic resonance imaging results from the WELDOX II study. NeuroToxicology, 2018, 64, 68-77.	1.4	14

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19	Somatosensory Response to Trigeminal Stimulation: A Functional Near-Infrared Spectroscopy (fNIRS) Study. Scientific Reports, 2018, 8, 13771.	1.6	7
20	Effect of acute exposure to toluene on cortical excitability, neuroplasticity, and motor learning in healthy humans. Archives of Toxicology, 2018, 92, 3149-3162.	1.9	15
21	Associations between blood lead, olfaction and fine-motor skills in elderly men: Results from the Heinz Nixdorf Recall Study. NeuroToxicology, 2018, 68, 66-72.	1.4	8
22	Definition of transcriptome-based indices for quantitative characterization of chemically disturbed stem cell development: introduction of the STOP-Toxukn and STOP-Toxukk tests. Archives of Toxicology, 2017, 91, 839-864.	1.9	53
23	Assessment of neurotoxic effects of tri-cresyl phosphates (TCPs) and cresyl saligenin phosphate (CBDP) using a combination of in vitro techniques. NeuroToxicology, 2017, 59, 210-221.	1.4	10
24	Are multitasking abilities impaired in welders exposed to manganese? Translating cognitive neuroscience to neurotoxicology. Archives of Toxicology, 2017, 91, 2865-2877.	1.9	8
25	Prediction of human sensory irritation due to ethyl acrylate: the appropriateness of time-weighted average concentrationâ€‰Ã—â€‰time models for varying concentrations. Archives of Toxicology, 2017, 91, 3051-3064.	1.9	6
26	Does seasonal allergic rhinitis increase sensitivity to ammonia exposure?. International Journal of Hygiene and Environmental Health, 2017, 220, 840-848.	2.1	10
27	Occupational Exposure to Manganese and Fine Motor Skills in Elderly Men: Results from the Heinz Nixdorf Recall Study. Annals of Work Exposures and Health, 2017, 61, 1118-1131.	0.6	10
28	Adverse outcome pathways: opportunities, limitations and open questions. Archives of Toxicology, 2017, 91, 3477-3505.	1.9	282
29	Neural mechanisms of functional impairment across the lifespan. NeuroToxicology, 2017, 59, 131-132.	1.4	1
30	Alternative in vitro assays to assess the potency of sensory irritantsâ€”Is one TRP channel enough?. NeuroToxicology, 2017, 60, 178-186.	1.4	11
31	Associations between former exposure to manganese and olfaction in an elderly population: Results from the Heinz Nixdorf Recall Study. NeuroToxicology, 2017, 58, 58-65.	1.4	13
32	The Health Effects of Aluminum Exposure. Deutsches Ärzteblatt International, 2017, 114, 653-659.	0.6	158
33	Effects of Manganese Exposure on Olfactory Functions in Teenagers: A Pilot Study. PLoS ONE, 2016, 11, e0144783.	1.1	28
34	Interindividual differences in chemosensory perception: Toward a better understanding of perceptual ratings during chemical exposures. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2016, 79, 1026-1040.	1.1	11
35	The involvement of TRP channels in sensory irritation: a mechanistic approach toward a better understanding of the biological effects of local irritants. Archives of Toxicology, 2016, 90, 1399-1413.	1.9	22
36	Multidimensional assessment of self-reported chemical intolerance and its impact on chemosensory effects during ammonia exposure. International Archives of Occupational and Environmental Health, 2016, 89, 947-959.	1.1	8

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37	Neurobehavioral effects of exposure to propionic acid revisitedâ€"Does psychosocial stress interfere with distractive effects in volunteers?. NeuroToxicology, 2016, 55, 102-111.	1.4	10
38	Olfactory Acuity and Automatic Associations to Odor Words Modulate Adverse Effects of Ammonia. Chemosensory Perception, 2016, 9, 27-36.	0.7	7
39	Stress lowers the detection threshold for foul-smelling 2-mercaptoethanol. Stress, 2016, 19, 18-27.	0.8	20
40	Highlight report: Translocation of nanoparticles through barriers. Archives of Toxicology, 2015, 89, 2469-2470.	1.9	0
41	Putative adverse outcome pathways relevant to neurotoxicity. Critical Reviews in Toxicology, 2015, 45, 83-91.	1.9	92
42	Neurobehavioral and neurophysiological effects after acute exposure to a single peak of 200 ppm toluene in healthy volunteers. NeuroToxicology, 2015, 48, 50-59.	1.4	22
43	A transcriptome-based classifier to identify developmental toxicants by stem cell testing: design, validation and optimization for histone deacetylase inhibitors. Archives of Toxicology, 2015, 89, 1599-1618.	1.9	82
44	Meta-analysis on occupational exposure to pesticides â€“ Neurobehavioral impact and doseâ€“response relationships. Environmental Research, 2015, 136, 234-245.	3.7	43
45	Impairment of Glutamate Signaling in Mouse Central Nervous System Neurons In Vitro by Tri-Ortho-Cresyl Phosphate at Noncytotoxic Concentrations. Toxicological Sciences, 2014, 142, 274-284.	1.4	28
46	Sensory irritation as a basis for setting occupational exposure limits. Archives of Toxicology, 2014, 88, 1855-1879.	1.9	125
47	Micropatterning neuronal networks. Analyst, The, 2014, 139, 3256-3264.	1.7	31
48	Axonal and dendritic localization of mRNAs for glycogen-metabolizing enzymes in cultured rodent neurons. BMC Neuroscience, 2014, 15, 70.	0.8	14
49	Toward better research practiceâ€"Shortcomings decreasing the significance of epidemiological studies in the toxicological field. NeuroToxicology, 2014, 45, 238-246.	1.4	1
50	Neurodevelopmental basis of health and disease. NeuroToxicology, 2014, 43, 143-159.	1.4	1
51	Acrylamide alters neurotransmitter induced calcium responses in murine ESC-derived and primary neurons. NeuroToxicology, 2014, 43, 117-126.	1.4	34
52	Neurodevelopmental basis of health and disease. NeuroToxicology, 2014, 43, 1-2.	1.4	1
53	Monocrotophos in Gandaman village: India school lunch deaths and need for improved toxicity testing. Archives of Toxicology, 2013, 87, 1877-1881.	1.9	30
54	Test systems of developmental toxicity: state-of-the art and future perspectives. Archives of Toxicology, 2013, 87, 2037-2042.	1.9	29

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55	Human embryonic stem cell-derived test systems for developmental neurotoxicity: a transcriptomics approach. Archives of Toxicology, 2013, 87, 123-143.	1.9	222
56	The neurobehavioral impact of manganese: Results and challenges obtained by a meta-analysis of individual participant data. NeuroToxicology, 2013, 36, 1-9.	1.4	45
57	Electrophysiological Correlates of Impaired Response Inhibition During Inhalation of Propionic Acid. Journal of Psychophysiology, 2013, 27, 131-141.	0.3	6
58	Considerations for the design and technical setup of a human whole-body exposure chamber. Inhalation Toxicology, 2012, 24, 99-108.	0.8	17
59	Highlight report. Archives of Toxicology, 2012, 86, 1335-1336.	1.9	0
60	Developmental neurotoxicity: the case of perfluoroalkylated compounds. Archives of Toxicology, 2012, 86, 1333-1334.	1.9	3
61	Translating neurobehavioural endpoints of developmental neurotoxicity tests into in vitro assays and readouts. NeuroToxicology, 2012, 33, 911-924.	1.4	84
62	Chronic solvent-induced encephalopathy: European consensus of neuropsychological characteristics, assessment, and guidelines for diagnostics. NeuroToxicology, 2012, 33, 710-726.	1.4	49
63	Neurobehavioral performance in human volunteers during inhalation exposure to the unpleasant local irritant cyclohexylamine. NeuroToxicology, 2012, 33, 1180-1187.	1.4	24
64	Compound selection for in vitro modeling of developmental neurotoxicity. Frontiers in Bioscience - Landmark, 2012, 17, 2442.	3.0	69
65	High fidelity neuronal networks formed by plasma masking with a bilayer membrane: analysis of neurodegenerative and neuroprotective processes. Lab on A Chip, 2011, 11, 2763.	3.1	42
66	Odor Thresholds and Breathing Changes of Human Volunteers as Consequences of Sulphur Dioxide Exposure Considering Individual Factors. Safety and Health at Work, 2011, 2, 355-364.	0.3	7
67	Statistical means to enhance the comparability of data within a pooled analysis of individual data in neurobehavioral toxicology. Toxicology Letters, 2011, 206, 144-151.	0.4	8
68	Assessment of low dose effects of acute sulphur dioxide exposure on the airways using non-invasive methods. Archives of Toxicology, 2010, 84, 121-127.	1.9	14
69	Quantitative Risk Analysis for N-Methyl Pyrrolidone Using Physiologically Based Pharmacokinetic and Benchmark Dose Modeling. Toxicological Sciences, 2010, 113, 468-482.	1.4	38
70	Sensory and pulmonary effects of acute exposure to sulfur dioxide (SO2). Toxicology Letters, 2010, 196, 42-50.	0.4	47
71	The network formation assay: a spatially standardized neurite outgrowth analytical display for neurotoxicity screening. Lab on A Chip, 2010, 10, 701.	3.1	106
72	Markers of murine embryonic and neural stem cells, neurons and astrocytes: reference points for developmental neurotoxicity testing. ALTEX: Alternatives To Animal Experimentation, 2010, 27, 17-42.	0.9	83

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73	Performance alterations associated with occupational exposure to manganeseâ€"A meta-analysis. NeuroToxicology, 2009, 30, 487-496.	1.4	39
74	Neurobehavioral effects during exposures to propionic acidâ€"An indicator of chemosensory distraction?. NeuroToxicology, 2009, 30, 1223-1232.	1.4	27
75	Human volunteer study on the inhalational and dermal absorption of N-methyl-2-pyrrolidone (NMP) from the vapour phase. Archives of Toxicology, 2008, 82, 13-20.	1.9	55
76	Responses to Trigeminal Irritants at Different Locations of the Human Nasal Mucosa. Laryngoscope, 2008, 118, 152-155.	1.1	19
77	Evaluation of ethyl acetate on three dimensions: Investigation of behavioral, physiological and psychological indicators of adverse chemosensory effects. Toxicology Letters, 2008, 182, 102-109.	0.4	26
78	The impact of solvent mixtures on neurobehavioral performanceâ€"Conclusions from epidemiological data. NeuroToxicology, 2008, 29, 349-360.	1.4	58
79	Neurobehavioral testing in human risk assessment. NeuroToxicology, 2008, 29, 556-567.	1.4	41
80	The Effects of Toluene Plus Noise on Hearing Thresholds: An Evaluation Based on Repeated Measurements in the German Printing Industry. International Journal of Occupational Medicine and Environmental Health, 2008, 21, 191-200.	0.6	23
81	Odor Annoyance of Environmental Chemicals: Sensory and Cognitive Influences. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2008, 71, 776-785.	1.1	35
82	Odor and Irritation Thresholds for Ammonia: A Comparison between Static and Dynamic Olfactometry. Chemical Senses, 2007, 32, 11-20.	1.1	64
83	From neurotoxic to chemosensory effects: New insights on acute solvent neurotoxicity exemplified by acute effects of 2-ethylhexanol. NeuroToxicology, 2007, 28, 347-355.	1.4	30
84	Occupational aluminum exposure: Evidence in support of its neurobehavioral impact. NeuroToxicology, 2007, 28, 1068-1078.	1.4	85
85	Chemosensory effects during acute exposure to N-methyl-2-pyrrolidone (NMP). Toxicology Letters, 2007, 175, 44-56.	0.4	27
86	Human experimental exposure study on the uptake and urinary elimination of N-methyl-2-pyrrolidone (NMP) during simulated workplace conditions. Archives of Toxicology, 2007, 81, 335-346.	1.9	30
87	From chemosensory thresholds to whole body exposuresâ€"experimental approaches evaluating chemosensory effects of chemicals. International Archives of Occupational and Environmental Health, 2006, 79, 308-321.	1.1	76
88	Editorial: Evaluation of chemosensory effects due to occupational exposures. International Archives of Occupational and Environmental Health, 2006, 79, 265-267.	1.1	10
89	An integrative approach considering acute symptoms and intensity ratings of chemosensory sensations during experimental exposures. Environmental Toxicology and Pharmacology, 2005, 19, 589-598.	2.0	34
90	Changes of neurobehavioral and sensory functions due to toluene exposure below 50ppm?. Environmental Toxicology and Pharmacology, 2005, 19, 635-643.	2.0	19

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91	Eye blinks as indicator for sensory irritation during constant and peak exposures to 2-ethylhexanol. Environmental Toxicology and Pharmacology, 2005, 19, 531-541.	2.0	35
92	Toluene exposure below 50Âppm and cognitive function: a follow-up study with four repeated measurements in rotogravure printing plants. International Archives of Occupational and Environmental Health, 2004, 77, 1-9.	1.1	22
93	Neurobehavioural test results and exposure to inorganic mercury: in search of dose-response relations. Archives of Toxicology, 2004, 78, 207-211.	1.9	20
94	Neurobehavioral effects of experimental exposures to low levels of styrene. Toxicology Letters, 2004, 151, 183-192.	0.4	16
95	Physiological and psychological approaches to chemosensory effects of solvents. Toxicology Letters, 2003, 140-141, 261-271.	0.4	37
96	Breathing and Heart Rate during Experimental Solvent Exposure of Young Adults with Self-Reported Multiple Chemical Sensitivity (sMCS). NeuroToxicology, 2003, 24, 179-186.	1.4	27
97	Intranasal effects in chemically sensitive volunteers: an experimental exposure study. Environmental Toxicology and Pharmacology, 2003, 14, 129-137.	2.0	9
98	Neurobehavioral effects during experimental exposure to 1-octanol and isopropanol. Scandinavian Journal of Work, Environment and Health, 2003, 29, 143-151.	1.7	39
99	Nasal Function in Self-Reported Chemically Intolerant Individuals. Archives of Environmental Health, 2002, 57, 247-254.	0.4	19
100	Time courses of sensory irritations due to 2-butanone and ethyl benzene exposure: Influences of self-reported multiple chemical sensitivity (sMCS). International Journal of Hygiene and Environmental Health, 2002, 204, 367-369.	2.1	24
101	Psychophysiological functions of subjects with self-reported multiple chemical sensitivity (sMCS) during experimental solvent exposure. International Journal of Hygiene and Environmental Health, 2002, 204, 371-373.	2.1	12
102	Psychological reactions related to chemosensory irritation. International Archives of Occupational and Environmental Health, 2002, 75, 314-325.	1.1	34
103	Assessing the â€žhumorous temperamentâ€œ: Construction of the facet and standard trait forms of the State-Trait-Cheerfulness-Inventory â€" STCI. Humor, 1996, 9, 303-340.	0.6	159