FrÃ©dÃ©ric Cosnier

List of Publications by Year
in descending order

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39	568	686830	676716
papers	citations	13 h-index	22 g-index

43	43	43	774
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biopersistence and translocation to extrapulmonary organs of titanium dioxide nanoparticles after subacute inhalation exposure to aerosol in adult and elderly rats. Toxicology Letters, 2017, 265, 61-69.	0.4	50
2	Brain Inflammation, Blood Brain Barrier dysfunction and Neuronal Synaptophysin Decrease after Inhalation Exposure to Titanium Dioxide Nano-aerosol in Aging Rats. Scientific Reports, 2017, 7, 12196.	1.6	49
3	Hydrophobisation of active carbon surface and effect on the adsorption of water. Carbon, 2005, 43, 2554-2563.	5.4	41
4	Influence of Water on the Dynamic Adsorption of Chlorinated VOCs on Active Carbon: Relative Humidity of the Gas Phase versus Pre-Adsorbed Water. Adsorption Science and Technology, 2006, 24, 215-228.	1.5	35
5	Retained particle surface area dose drives inflammation in rat lungs following acute, subacute, and subchronic inhalation of nanomaterials. Particle and Fibre Toxicology, 2021, 18, 29.	2.8	25
6	Neurobehavioral Toxicity of a Repeated Exposure (14 Days) to the Airborne Polycyclic Aromatic Hydrocarbon Fluorene in Adult Wistar Male Rats. PLoS ONE, 2013, 8, e71413.	1.1	24
7	Human inÂvitro percutaneous absorption of bisphenol S and bisphenol A: A comparative study. Chemosphere, 2020, 252, 126525.	4.2	22
8	Impact of noise or styrene exposure on the kinetics of presbycusis. Hearing Research, 2011, 280, 122-132.	0.9	18
9	Short- and long-term gene expression profiles induced by inhaled TiO2 nanostructured aerosol in rat lung. Toxicology and Applied Pharmacology, 2018, 356, 54-64.	1.3	16
10	Neuropharmacological and cochleotoxic effects of styrene. Consequences on noise exposures. Neurotoxicology and Teratology, 2014, 44, 113-120.	1.2	15
11	The tonotopicity of styrene-induced hearing loss depends on the associated noise spectrum. Neurotoxicology and Teratology, 2015, 48, 56-63.	1.2	15
12	Biomarkers of toluene exposure in rats: mercapturic acids versus traditional indicators (urinary) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	0.5	14
13	Inhaled multi-walled carbon nanotubes differently modulate global gene and protein expression in rat lungs. Nanotoxicology, 2021, 15, 238-256.	1.6	14
14	Design and Characterization of an Inhalation System to Expose Rodents to Nanoaerosols. Aerosol and Air Quality Research, 2016, 16, 2989-3000.	0.9	14
15	Methyl Mercapturate Synthesis: An Efficient, Convenient and Simple Method. Molecules, 2008, 13, 2394-2407.	1.7	11
16	Measurement of ketamine and xylazine in rat brain by liquidâ€“liquid extraction and gas chromatographyâ€“mass spectrometry. Journal of Pharmacological and Toxicological Methods, 2016, 77, 6-9.	0.3	11
17	Study of the potential oxidative stress induced by six solvents in the rat brain. NeuroToxicology, 2013, 35, 71-83.	1.4	10
18	Intra-erythrocyte chromium as an indicator of exposure to hexavalent chromium: An in vivo evaluation in intravenous administered rat. Toxicology Letters, 2019, 314, 133-141.	0.4	10

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19	Quantitative measurement of carbon nanotubes in rat lung. Nanotoxicology, 2020, 14, 1227-1240.	1.6	10
20	Glutathione pathway in ethylbenzene metabolism: Novel biomarkers of exposure in the rat. Chemosphere, 2010, 81, 1334-1341.	4.2	9
21	Mercapturic acids derived from toluene in rat urine samples: identification and measurement by gas chromatographyâ€“tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2012, 404, 1907-1917.	1.9	9
22	Continuous exposure to low-frequency noise and carbon disulfide: Combined effects on hearing. NeuroToxicology, 2017, 62, 151-161.	1.4	9
23	Genotoxicity of styrene-7,8-oxide and styrene in Fisher 344 rats: A 4-week inhalation study. Toxicology Letters, 2012, 211, 211-219.	0.4	8
24	Inhaled toluene can modulate the effects of anesthetics on the middle-ear acoustic reflex. Neurotoxicology and Teratology, 2013, 35, 1-6.	1.2	8
25	Carbon disulfide potentiates the effects of impulse noise on the organ of Corti. NeuroToxicology, 2017, 59, 79-87.	1.4	8
26	Combined exposure to carbon disulfide and low-frequency noise reversibly affects vestibular function. NeuroToxicology, 2018, 67, 270-278.	1.4	8
27	Proteomic analysis of bronchoalveolar lavage fluid in rat exposed to TiO2 nanostructured aerosol by inhalation. Journal of Proteomics, 2019, 207, 103451.	1.2	8
28	Simultaneous Determination of Aromatic Acid Metabolites of Styrene and Styrene-Oxide in Rat Urine by Gas Chromatography-Flame Ionization Detection. Journal of Analytical Toxicology, 2012, 36, 312-318.	1.7	7
29	Membrane fluidity does not explain how solvents act on the middle-ear reflex. NeuroToxicology, 2016, 57, 13-21.	1.4	7
30	Toluene-induced hearing loss in phenobarbital treated rats. Neurotoxicology and Teratology, 2008, 30, 46-54.	1.2	6
31	Metabolism of inhaled methylethylketone in rats. Drug and Chemical Toxicology, 2018, 41, 42-50.	1.2	6
32	Toluene-induced hearing loss in acivicin-treated rats. Neurotoxicology and Teratology, 2008, 30, 154-160.	1.2	5
33	Exposure to TiO2 Nanostructured Aerosol Induces Specific Gene Expression Profile Modifications in the Lungs of Young and Elderly Rats. Nanomaterials, 2021, 11, 1466.	1.9	5
34	Toluene-Induced Hearing Loss in the Guinea Pig. Toxicological Sciences, 2009, 111, 362-371.	1.4	4
35	Impact of coexposure on toluene biomarkers in rats. Xenobiotica, 2014, 44, 217-228.	0.5	4
36	Measuring the middle-ear reflex: A quantitative method to assess effects of industrial solvents on central auditory pathways. NeuroToxicology, 2019, 74, 58-66.	1.4	3

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37	Toluene and methylethylketone: effect of combined exposure on their metabolism in rat. Xenobiotica, 2018, 48, 684-694.	0.5	2
38	Effects of co-exposure to CS2 and noise on hearing and balance in rats: continuous versus intermittent CS2 exposures. Journal of Occupational Medicine and Toxicology, 2020, 15, 9.	0.9	2
39	Beryllium determination in urine at nanogram level for biomonitoring purpose. Toxicology Letters, 2014, 229, S221.	0.4	0