Katsuhide Fujita

List of Publications by Year
in descending order

63 papers	2,997 citations	159585 30 h-index	161849 54 g-index
64 all docs	64 docs citations	64 times ranked	4283 citing authors

#	Article	IF	Citations
1	Protein Adsorption of Ultrafine Metal Oxide and Its Influence on Cytotoxicity toward Cultured Cells. Chemical Research in Toxicology, 2009, 22, 543-553.	3.3	245
2	<i>In Vitro</i> Evaluation of Cellular Response Induced by Manufactured Nanoparticles. Chemical Research in Toxicology, 2012, 25, 605-619.	3.3	163
3	Association of zinc ion release and oxidative stress induced by intratracheal instillation of ZnO nanoparticles to rat lung. Chemico-Biological Interactions, 2012, 198, 29-37.	4.0	158
4	Association of the physical and chemical properties and the cytotoxicity of metal oxide nanoparticles: metal ion release, adsorption ability and specific surface area. Metallomics, 2012, 4, 350.	2.4	156
5	The genome-wide screening of yeast deletion mutants to identify the genes required for tolerance to ethanol and other alcohols. FEMS Yeast Research, 2006, 6, 744-750.	2.3	147
6	Ultrafine NiO Particles Induce Cytotoxicity in Vitro by Cellular Uptake and Subsequent Ni(II) Release. Chemical Research in Toxicology, 2009, 22, 1415-1426.	3.3	133
7	Reliable size determination of nanoparticles using dynamic light scattering method for in vitro toxicology assessment. Toxicology in Vitro, 2009, 23, 927-934.	2.4	96
8	Pulmonary toxicity of well-dispersed multi-wall carbon nanotubes following inhalation and intratracheal instillation. Nanotoxicology, 2012, 6, 587-599.	3.0	96
9	Evaluation of Acute Oxidative Stress Induced by NiO Nanoparticles <i>In Vivo</i> and <i>In Vitro</i>. Journal of Occupational Health, 2011, 53, 64-74.	2.1	93
10	Genome-wide expression analysis of yeast response during exposure to 4Â°C. Extremophiles, 2006, 10, 117-128.	2.3	88
11	Cellular responses induced by cerium oxide nanoparticles: induction of intracellular calcium level and oxidative stress on culture cells. Journal of Biochemistry, 2011, 150, 461-471.	1.7	88
12	Gene expression profiles in rat lung after inhalation exposure to C60 fullerene particles. Toxicology, 2009, 258, 47-55.	4.2	87
13	Expression of inflammation-related cytokines following intratracheal instillation of nickel oxide nanoparticles. Nanotoxicology, 2010, 4, 161-176.	3.0	76
14	Size effects of single-walled carbon nanotubes on<i>in vivo</i>and<i>in vitro</i>pulmonary toxicity. Inhalation Toxicology, 2015, 27, 207-223.	1.6	73
15	Chromium(III) oxide nanoparticles induced remarkable oxidative stress and apoptosis on culture cells. Environmental Toxicology, 2013, 28, 61-75.	4.0	70
16	Comparison of acute oxidative stress on rat lung induced by nano and fine-scale, soluble and insoluble metal oxide particles: NiO and TiO₂. Inhalation Toxicology, 2012, 24, 391-400.	1.6	61
17	Size-dependent cell uptake of carbon nanotubes by macrophages: A comparative and quantitative study. Carbon, 2018, 127, 93-101.	10.3	60
18	Expression of cytokine-induced neutrophil chemoattractant in rat lungs by intratracheal instillation of nickel oxide nanoparticles. Inhalation Toxicology, 2009, 21, 1030-1039.	1.6	59

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19	Effects of ultrafine TiO2 particles on gene expression profile in human keratinocytes without illumination: Involvement of extracellular matrix and cell adhesion. Toxicology Letters, 2009, 191, 109-117.	0.8	59
20	Inflammogenic effect of well-characterized fullerenes in inhalation and intratracheal instillation studies. Particle and Fibre Toxicology, 2010, 7, 4.	6.2	57
21	Toxicity of Metal Oxides Nanoparticles. Advances in Molecular Toxicology, 2011, 5, 145-178.	0.4	52
22	Cellular responses by stable and uniform ultrafine titanium dioxide particles in culture-medium dispersions when secondary particle size was 100nm or less. Toxicology in Vitro, 2010, 24, 1629-1638.	2.4	49
23	Dispersion characteristics of various metal oxide secondary nanoparticles in culture medium for in vitro toxicology assessment. Toxicology in Vitro, 2010, 24, 1009-1018.	2.4	48
24	In vitro evaluation of cellular responses induced by stable fullerene C60 medium dispersion. Journal of Biochemistry, 2010, 148, 289-298.	1.7	45
25	Pulmonary and pleural inflammation after intratracheal instillation of short single-walled and multi-walled carbon nanotubes. Toxicology Letters, 2016, 257, 23-37.	0.8	45
26	Intratracheal instillation of single-wall carbon nanotubes in the rat lung induces time-dependent changes in gene expression. Nanotoxicology, 2015, 9, 290-301.	3.0	44
27	Pulmonary toxicity of well-dispersed single-wall carbon nanotubes after inhalation. Nanotoxicology, 2012, 6, 766-775.	3.0	43
28	Evaluation of cellular influences of platinum nanoparticles by stable medium dispersion. Metallomics, 2011, 3, 1244.	2.4	39
29	Evaluation of cellular influences induced by stable nanodiamond dispersion; the cellular influences of nanodiamond are small. Diamond and Related Materials, 2012, 24, 15-24.	3.9	34
30	Evaluation of cellular influences caused by calcium carbonate nanoparticles. Chemico-Biological Interactions, 2014, 210, 64-76.	4.0	33
31	Preparation and characterization of stable dispersions of carbon black and nanodiamond in culture medium for in vitro toxicity assessment. Carbon, 2011, 49, 3989-3997.	10.3	28
32	Biopersistence of inhaled MWCNT in rat lungs in a 4-week well-characterized exposure. Inhalation Toxicology, 2011, 23, 784-791.	1.6	27
33	Pathological features of rat lung following inhalation and intratracheal instillation of C60fullerene. Inhalation Toxicology, 2011, 23, 407-416.	1.6	27
34	Cytotoxicity profiles of multi-walled carbon nanotubes with different physico-chemical properties. Toxicology Mechanisms and Methods, 2020, 30, 477-489.	2.7	26
35	Identification of potential biomarkers from gene expression profiles in rat lungs intratracheally instilled with C60 fullerenes. Toxicology, 2010, 274, 34-41.	4.2	25
36	Induction of adaptive response and enhancement of PC12 cell tolerance by lipopolysaccharide primarily through the upregulation of glutathione S-transferase A3 via Nrf2 activation. Free Radical Biology and Medicine, 2008, 45, 1437-1445.	2.9	24

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37	Dispersant affects the cellular influences of single-wall carbon nanotube: the role of CNT as carrier of dispersants. Toxicology Mechanisms and Methods, 2013, 23, 315-322.	2.7	24
38	Lcb4p sphingoid base kinase localizes to the Golgi and late endosomes. FEBS Letters, 2002, 532, 97-102.	2.8	23
39	Physical properties of single-wall carbon nanotubes in cell culture and their dispersal due to alveolar epithelial cell response. Toxicology Mechanisms and Methods, 2013, 23, 598-609.	2.7	23
40	Pulmonary Toxicity of Well-Dispersed Single-Wall Carbon Nanotubes Following Intratracheal Instillation. Journal of Nano Research, 0, 18-19, 9-25.	0.8	21
41	Detoxification of hydroxylated polychlorobiphenyls by Sphingomonas sp. strain N-9 isolated from forest soil. Chemosphere, 2016, 165, 173-182.	8.2	21
42	Assessment of cytotoxicity and mutagenicity of exfoliated graphene. Toxicology in Vitro, 2018, 52, 195-202.	2.4	20
43	Length effects of single-walled carbon nanotubes on pulmonary toxicity after intratracheal instillation in rats. Journal of Toxicological Sciences, 2017, 42, 367-378.	1.5	19
44	A review of pulmonary toxicity studies of nanocellulose. Inhalation Toxicology, 2020, 32, 231-239.	1.6	19
45	A 104-week pulmonary toxicity assessment of long and short single-wall carbon nanotubes after a single intratracheal instillation in rats. Inhalation Toxicology, 2017, 29, 471-482.	1.6	18
46	The cell structural properties of Kocuria rhizophila for aliphatic alcohol exposure. Enzyme and Microbial Technology, 2006, 39, 511-518.	3.2	17
47	Evaluation of the biological influence of a stable carbon nanohorn dispersion. Carbon, 2013, 54, 155-167.	10.3	16
48	Hsp104 Responds to Heat and Oxidative Stress with Different Intracellular Localization inSaccharomyces cerevisiae. Biochemical and Biophysical Research Communications, 1998, 248, 542-547.	2.1	15
49	Characterization of fullerene colloidal suspension in a cell culture medium for in vitro toxicity assessment. Molecular BioSystems, 2010, 6, 1238.	2.9	15
50	Cellular effects of industrial metal nanoparticles and hydrophilic carbon black dispersion. Journal of Toxicological Sciences, 2014, 39, 897-907.	1.5	13
51	Screening of preservatives and evaluation of sterilized cellulose nanofibers for toxicity studies. Journal of Occupational Health, 2020, 62, e12176.	2.1	11
52	In vitro evaluation of cellular influences induced by stable fullerene C70 medium dispersion: Induction of cellular oxidative stress. Chemosphere, 2013, 93, 1182-1188.	8.2	10
53	Significance of Intratracheal Instillation Tests for the Screening of Pulmonary Toxicity of Nanomaterials. Journal of UOEH, 2017, 39, 123-132.	0.6	10
54	Genotoxicity assessment of cellulose nanofibrils using a standard battery of in vitro and in vivo assays. Toxicology Reports, 2022, 9, 68-77.	3.3	10

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55	Evaluation of cellular effects of silicon dioxide nanoparticles. Toxicology Mechanisms and Methods, 2014, 24, 196-203.	2.7	8
56	Pulmonary inflammation following intratracheal instillation of cellulose nanofibrils in rats: comparison with multi-walled carbon nanotubes. Cellulose, 2021, 28, 7143-7164.	4.9	7
57	The Expression of Inflammatory Cytokine and Heme Oxygenase-1 Genes in THP-1 Cells Exposed to Metal Oxide Nanoparticles. Journal of Nano Research, 2015, 30, 116-127.	0.8	6
58	A Gene Expression Profiling Approach to Study the Influence of Ultrafine Particles on Rat Lungs. , 2009, , 219-227.		5
59	Pulmonary toxicity, cytotoxicity, and genotoxicity of submicron-diameter carbon fibers with different diameters and lengths. Toxicology, 2022, 466, 153063.	4.2	4
60	Effect of lower chlorinated hydroxylated-polychlorobiphenyls on development of PC12 cells. Environmental Science and Pollution Research, 2018, 25, 16434-16445.	5.3	3
61	Basic study of intratracheal instillation study of nanomaterials for the estimation of the hazards of nanomaterials. Industrial Health, 2018, 56, 30-39.	1.0	3
62	Effects of Various Carbon Nanotube Suspensions on A549, THP-1, and Peritoneal Macrophage Cells. Journal of Biomimetics, Biomaterials and Biomedical Engineering, 2015, 24, 1-13.	0.5	2
63	Pharyngeal aspiration of single-wall carbon nanotubes aggravates allergic reaction to inhaled ovalbumin in mice. Toxicological and Environmental Chemistry, 2017, 99, 134-147.	1.2	0