# Katsuhide Fujita

## List of Publications by Citations



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|---|---|---|---|
| 63 papers | 2,591 citations | 29 h-index | 50 g-index |
| 64 ext. papers | 2,781 ext. citations | 3.9 avg, IF | 4.39 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 63 | Protein adsorption of ultrafine metal oxide and its influence on cytotoxicity toward cultured cells. *Chemical Research in Toxicology*, **2009**, 22, 543-53 | 4 | 223 |
| 62 | In vitro evaluation of cellular response induced by manufactured nanoparticles. *Chemical Research in Toxicology*, **2012**, 25, 605-19 | 4 | 148 |
| 61 | 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 | 5 | 141 |
| 60 | Ultrafine NiO particles induce cytotoxicity in vitro by cellular uptake and subsequent Ni(II) release. *Chemical Research in Toxicology*, **2009**, 22, 1415-26 | 4 | 126 |
| 59 | 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, 350-60 | 4.5 | 124 |
| 58 | 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, 744-50 | 3.1 | 123 |
| 57 | Reliable size determination of nanoparticles using dynamic light scattering method for in vitro toxicology assessment. *Toxicology in Vitro*, **2009**, 23, 927-34 | 3.6 | 91 |
| 56 | Evaluation of acute oxidative stress induced by NiO nanoparticles in vivo and in vitro. *Journal of Occupational Health*, **2011**, 53, 64-74 | 2.3 | 84 |
| 55 | Gene expression profiles in rat lung after inhalation exposure to C60 fullerene particles. *Toxicology*, **2009**, 258, 47-55 | 4.4 | 80 |
| 54 | Cellular responses induced by cerium oxide nanoparticles: induction of intracellular calcium level and oxidative stress on culture cells. *Journal of Biochemistry*, **2011**, 150, 461-71 | 3.1 | 80 |
| 53 | Genome-wide expression analysis of yeast response during exposure to 4 degrees C. *Extremophiles*, **2006**, 10, 117-28 | 3 | 78 |
| 52 | Pulmonary toxicity of well-dispersed multi-wall carbon nanotubes following inhalation and intratracheal instillation. *Nanotoxicology*, **2012**, 6, 587-99 | 5.3 | 74 |
| 51 | Expression of inflammation-related cytokines following intratracheal instillation of nickel oxide nanoparticles. *Nanotoxicology*, **2010**, 4, 161-76 | 5.3 | 69 |
| 50 | Size effects of single-walled carbon nanotubes on in vivo and in vitro pulmonary toxicity. *Inhalation Toxicology*, **2015**, 27, 207-23 | 2.7 | 62 |
| 49 | Chromium(III) oxide nanoparticles induced remarkable oxidative stress and apoptosis on culture cells. *Environmental Toxicology*, **2013**, 28, 61-75 | 4.2 | 60 |
| 48 | 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 | 2.7 | 55 |
| 47 | 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, 109-17 | 4.4 | 54 |

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| 46 | Expression of cytokine-induced neutrophil chemoattractant in rat lungs by intratracheal instillation of nickel oxide nanoparticles. *Inhalation Toxicology*, **2009**, 21, 1030-9 | 2.7 | 53 |
| 45 | Inflammogenic effect of well-characterized fullerenes in inhalation and intratracheal instillation studies. *Particle and Fibre Toxicology*, **2010**, 7, 4 | 8.4 | 49 |
| 44 | Cellular responses by stable and uniform ultrafine titanium dioxide particles in culture-medium dispersions when secondary particle size was 100 nm or less. *Toxicology in Vitro*, **2010**, 24, 1629-38 | 3.6 | 48 |
| 43 | Dispersion characteristics of various metal oxide secondary nanoparticles in culture medium for in vitro toxicology assessment. *Toxicology in Vitro*, **2010**, 24, 1009-18 | 3.6 | 46 |
| 42 | Size-dependent cell uptake of carbon nanotubes by macrophages: A comparative and quantitative study. *Carbon*, **2018**, 127, 93-101 | 10.4 | 44 |
| 41 | In vitro evaluation of cellular responses induced by stable fullerene C60 medium dispersion. *Journal of Biochemistry*, **2010**, 148, 289-98 | 3.1 | 41 |
| 40 | Pulmonary toxicity of well-dispersed single-wall carbon nanotubes after inhalation. *Nanotoxicology*, **2012**, 6, 766-75 | 5.3 | 39 |
| 39 | Toxicity of Metal Oxides Nanoparticles. *Advances in Molecular Toxicology*, **2011**, 5, 145-178 | 0.4 | 37 |
| 38 | Pulmonary and pleural inflammation after intratracheal instillation of short single-walled and multi-walled carbon nanotubes. *Toxicology Letters*, **2016**, 257, 23-37 | 4.4 | 36 |
| 37 | Intratracheal instillation of single-wall carbon nanotubes in the rat lung induces time-dependent changes in gene expression. *Nanotoxicology*, **2015**, 9, 290-301 | 5.3 | 34 |
| 36 | Evaluation of cellular influences of platinum nanoparticles by stable medium dispersion. *Metallomics*, **2011**, 3, 1244-52 | 4.5 | 32 |
| 35 | Evaluation of cellular influences caused by calcium carbonate nanoparticles. *Chemico-Biological Interactions*, **2014**, 210, 64-76 | 5 | 31 |
| 34 | Evaluation of cellular influences induced by stable nanodiamond dispersion; the cellular influences of nanodiamond are small. *Diamond and Related Materials*, **2012**, 24, 15-24 | 3.5 | 28 |
| 33 | Preparation and characterization of stable dispersions of carbon black and nanodiamond in culture medium for in vitro toxicity assessment. *Carbon*, **2011**, 49, 3989-3997 | 10.4 | 26 |
| 32 | Pathological features of rat lung following inhalation and intratracheal instillation of C(60) fullerene. *Inhalation Toxicology*, **2011**, 23, 407-16 | 2.7 | 25 |
| 31 | 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 | 3.6 | 23 |
| 30 | Biopersistence of inhaled MWCNT in rat lungs in a 4-week well-characterized exposure. *Inhalation Toxicology*, **2011**, 23, 784-91 | 2.7 | 23 |
| 29 | Identification of potential biomarkers from gene expression profiles in rat lungs intratracheally instilled with C(60) fullerenes. *Toxicology*, **2010**, 274, 34-41 | 4.4 | 23 |

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| 28 | Dispersant affects the cellular influences of single-wall carbon nanotube: the role of CNT as carrier of dispersants. *Toxicology Mechanisms and Methods*, **2013**, 23, 315-22 | 3.6 | 20 |
| 27 | 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, 1437-45 | 7.8 | 20 |
| 26 | Assessment of cytotoxicity and mutagenicity of exfoliated graphene. *Toxicology in Vitro*, **2018**, 52, 195-202 | 3.6 | 20 |
| 25 | Detoxification of hydroxylated polychlorobiphenyls by Sphingomonas sp. strain N-9 isolated from forest soil. *Chemosphere*, **2016**, 165, 173-182 | 8.4 | 18 |
| 24 | Lcb4p sphingoid base kinase localizes to the Golgi and late endosomes. *FEBS Letters*, **2002**, 532, 97-102 | 3.8 | 18 |
| 23 | Pulmonary Toxicity of Well-Dispersed Single-Wall Carbon Nanotubes Following Intratracheal Instillation. *Journal of Nano Research*, **2012**, 18-19, 9-25 | 1 | 16 |
| 22 | Length effects of single-walled carbon nanotubes on pulmonary toxicity after intratracheal instillation in rats. *Journal of Toxicological Sciences*, **2017**, 42, 367-378 | 1.9 | 15 |
| 21 | Evaluation of the biological influence of a stable carbon nanohorn dispersion. *Carbon*, **2013**, 54, 155-167 | 10.4 | 15 |
| 20 | Characterization of fullerene colloidal suspension in a cell culture medium for in vitro toxicity assessment. *Molecular BioSystems*, **2010**, 6, 1238-46 | | 15 |
| 19 | The cell structural properties of Kocuria rhizophila for aliphatic alcohol exposure. *Enzyme and Microbial Technology*, **2006**, 39, 511-518 | 3.8 | 14 |
| 18 | Hsp104 responds to heat and oxidative stress with different intracellular localization in Saccharomyces cerevisiae. *Biochemical and Biophysical Research Communications*, **1998**, 248, 542-7 | 3.4 | 14 |
| 17 | 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 | 2.7 | 13 |
| 16 | A review of pulmonary toxicity studies of nanocellulose. *Inhalation Toxicology*, **2020**, 32, 231-239 | 2.7 | 12 |
| 15 | Significance of Intratracheal Instillation Tests for the Screening of Pulmonary Toxicity of Nanomaterials. *Journal of UOEH*, **2017**, 39, 123-132 | 1.6 | 10 |
| 14 | In vitro evaluation of cellular influences induced by stable fullerene C medium dispersion: induction of cellular oxidative stress. *Chemosphere*, **2013**, 93, 1182-8 | 8.4 | 10 |
| 13 | Cytotoxicity profiles of multi-walled carbon nanotubes with different physico-chemical properties. *Toxicology Mechanisms and Methods*, **2020**, 30, 477-489 | 3.6 | 9 |
| 12 | Cellular effects of industrial metal nanoparticles and hydrophilic carbon black dispersion. *Journal of Toxicological Sciences*, **2014**, 39, 897-907 | 1.9 | 9 |
| 11 | Evaluation of cellular effects of silicon dioxide nanoparticles. *Toxicology Mechanisms and Methods*, **2014**, 24, 196-203 | 3.6 | 8 |

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| 10 | 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 | 1 | 6 |
| 9 | A Gene Expression Profiling Approach to Study the Influence of Ultrafine Particles on Rat Lungs **2009**, 219-227 | | 4 |
| 8 | Screening of preservatives and evaluation of sterilized cellulose nanofibers for toxicity studies. *Journal of Occupational Health*, **2020**, 62, e12176 | 2.3 | 3 |
| 7 | Effect of lower chlorinated hydroxylated-polychlorobiphenyls on development of PC12 cells. *Environmental Science and Pollution Research*, **2018**, 25, 16434-16445 | 5.1 | 3 |
| 6 | Genotoxicity assessment of cellulose nanofibrils using a standard battery of and assays.. *Toxicology Reports*, **2022**, 9, 68-77 | 4.8 | 3 |
| 5 | Pulmonary inflammation following intratracheal instillation of cellulose nanofibrils in rats: comparison with multi-walled carbon nanotubes. *Cellulose*, **2021**, 28, 7143-7164 | 5.5 | 2 |
| 4 | Basic study of intratracheal instillation study of nanomaterials for the estimation of the hazards of nanomaterials. *Industrial Health*, **2018**, 56, 30-39 | 2.5 | 2 |
| 3 | 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 | 0.6 | 1 |
| 2 | Pulmonary toxicity, cytotoxicity, and genotoxicity of submicron-diameter carbon fibers with different diameters and lengths. *Toxicology*, **2021**, 466, 153063 | 4.4 | 1 |
| 1 | Pharyngeal aspiration of single-wall carbon nanotubes aggravates allergic reaction to inhaled ovalbumin in mice. *Toxicological and Environmental Chemistry*, **2017**, 99, 134-147 | 1.4 | |