

Sabina Halappanavar

List of Publications by Year in descending order

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57
papers

2,594
citations

159585
30
h-index

189892
50
g-index

59
all docs

59
docs citations

59
times ranked

2855
citing authors

#	ARTICLE	IF	CITATIONS
1	Using AOP-Wiki to support the ecotoxicological risk assessment of nanomaterials: first steps in the development of novel adverse outcome pathways. <i>Environmental Science: Nano</i> , 2022, 9, 1675-1684.	4.3	3
2	The Road to Achieving the European Commission's Chemicals Strategy for Nanomaterial Sustainabilityâ€”A PATROLS Perspective on New Approach Methodologies. <i>Small</i> , 2022, 18, e2200231.	10.0	9
3	AOP173â€”key event associated pathway predictor â€” online application for the prediction of benchmark dose lower bound (BMDLs) of a transcriptomic pathway involved in MWCNTs-induced lung fibrosis. <i>Nanotoxicology</i> , 2022, , 1-12.	3.0	1
4	The High-Throughput In Vitro CometChip Assay for the Analysis of Metal Oxide Nanomaterial Induced DNA Damage. <i>Nanomaterials</i> , 2022, 12, 1844.	4.1	8
5	Characterization of ENM Dynamic Dose-Dependent MOA in Lung with Respect to Immune Cells Infiltration. <i>Nanomaterials</i> , 2022, 12, 2031.	4.1	5
6	A transcriptomic overview of lung and liver changes one day after pulmonary exposure to graphene and graphene oxide. <i>Toxicology and Applied Pharmacology</i> , 2021, 410, 115343.	2.8	26
7	A methodology for developing key events to advance nanomaterial-relevant adverse outcome pathways to inform risk assessment. <i>Nanotoxicology</i> , 2021, 15, 289-310.	3.0	24
8	Transcriptomicsâ€”Based and AOPâ€”Informed Structureâ€”Activity Relationships to Predict Pulmonary Pathology Induced by Multiwalled Carbon Nanotubes. <i>Small</i> , 2021, 17, e2003465.	10.0	31
9	Nonâ€”Animal Strategies for Toxicity Assessment of Nanoscale Materials: Role of Adverse Outcome Pathways in the Selection of Endpoints. <i>Small</i> , 2021, 17, e2007628.	10.0	27
10	Bringing together scientific disciplines for collaborative undertakings: a vision for advancing the adverse outcome pathway framework. <i>International Journal of Radiation Biology</i> , 2021, 97, 431-441.	1.8	15
11	Adverse Outcome Pathway Development for Assessment of Lung Carcinogenicity by Nanoparticles. <i>Frontiers in Toxicology</i> , 2021, 3, 653386.	3.1	22
12	Pulmonary toxicity and gene expression changes after short-term inhalation exposure to surface-modified copper oxide nanoparticles. <i>NanoImpact</i> , 2021, 22, 100313.	4.5	13
13	Impact of copper oxide particle dissolution on lung epithelial cell toxicity: response characterization using global transcriptional analysis. <i>Nanotoxicology</i> , 2021, 15, 380-399.	3.0	12
14	Adverse outcome pathways and inÂ”vitro toxicology strategies for microplastics hazard testing. <i>Current Opinion in Toxicology</i> , 2021, 28, 52-61.	5.0	7
15	Microplastics and nanoplastics science: collecting and characterizing airborne microplastics in fine particulate matter. <i>Nanotoxicology</i> , 2021, 15, 1253-1278.	3.0	21
16	Toward Rigorous Materials Production: New Approach Methodologies Have Extensive Potential to Improve Current Safety Assessment Practices. <i>Small</i> , 2020, 16, e1904749.	10.0	43
17	Prediction of Chronic Inflammation for Inhaled Particles: the Impact of Material Cycling and Quarantining in the Lung Epithelium. <i>Advanced Materials</i> , 2020, 32, e2003913.	21.0	14
18	Translating Scientific Advances in the AOP Framework to Decision Making for Nanomaterials. <i>Nanomaterials</i> , 2020, 10, 1229.	4.1	29

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19	Adverse outcome pathways as a tool for the design of testing strategies to support the safety assessment of emerging advanced materials at the nanoscale. <i>Particle and Fibre Toxicology</i> , 2020, 17, 16.	6.2	139
20	Acute Phase Response as a Biological Mechanism of Action of (Nano)particle-Induced Cardiovascular Disease. <i>Small</i> , 2020, 16, e1907476.	10.0	37
21	21st Century Tools for Nanotoxicology: Transcriptomic Biomarker Panel and Precision-Cut Lung Slice Organ Mimic System for the Assessment of Nanomaterial-Induced Lung Fibrosis. <i>Small</i> , 2020, 16, e2000272.	10.0	16
22	Enhanced Dark-Field Hyperspectral Imaging and Spectral Angle Mapping for Nanomaterial Detection in Consumer Care Products and in Skin Following Dermal Exposure. <i>Chemical Research in Toxicology</i> , 2020, 33, 1266-1278.	3.3	7
23	A systematic process for identifying key events for advancing the development of nanomaterial relevant adverse outcome pathways. <i>NanoImpact</i> , 2019, 15, 100178.	4.5	28
24	Acute phase response and inflammation following pulmonary exposure to low doses of zinc oxide nanoparticles in mice. <i>Nanotoxicology</i> , 2019, 13, 1275-1292.	3.0	42
25	Ranking of nanomaterial potency to induce pathway perturbations associated with lung responses. <i>NanoImpact</i> , 2019, 14, 100158.	4.5	30
26	Promise and peril in nanomedicine: the challenges and needs for integrated systems biology approaches to define health risk. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2018, 10, e1465.	6.1	37
27	Transcriptional profiling reveals gene expression changes associated with inflammation and cell proliferation following short-term inhalation exposure to copper oxide nanoparticles. <i>Journal of Applied Toxicology</i> , 2018, 38, 385-397.	2.8	44
28	Representing the Process of Inflammation as Key Events in Adverse Outcome Pathways. <i>Toxicological Sciences</i> , 2018, 163, 346-352.	3.1	49
29	Identification of Gene Transcription Start Sites and Enhancers Responding to Pulmonary Carbon Nanotube Exposure <i>in Vivo</i> . <i>ACS Nano</i> , 2017, 11, 3597-3613.	14.6	23
30	Toxicogenomics analysis of mouse lung responses following exposure to titanium dioxide nanomaterials reveal their disease potential at high doses. <i>Mutagenesis</i> , 2017, 32, 59-76.	2.6	30
31	Multi-walled carbon nanotube-induced genotoxic, inflammatory and pro-fibrotic responses in mice: Investigating the mechanisms of pulmonary carcinogenesis. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2017, 823, 28-44.	1.7	72
32	Application of bi-clustering of gene expression data and gene set enrichment analysis methods to identify potentially disease causing nanomaterials. <i>Data in Brief</i> , 2017, 15, 933-940.	1.0	4
33	A framework for the use of single-chemical transcriptomics data in predicting the hazards associated with complex mixtures of polycyclic aromatic hydrocarbons. <i>Archives of Toxicology</i> , 2017, 91, 2599-2616.	4.2	17
34	Stat-6 signaling pathway and not Interleukin-1 mediates multi-walled carbon nanotube-induced lung fibrosis in mice: insights from an adverse outcome pathway framework. <i>Particle and Fibre Toxicology</i> , 2017, 14, 37.	6.2	42
35	Predicting pulmonary fibrosis in humans after exposure to multi-walled carbon nanotubes (MWCNTs). <i>Archives of Toxicology</i> , 2016, 90, 1605-1622.	4.2	43
36	Expert consensus on an in vitro approach to assess pulmonary fibrogenic potential of aerosolized nanomaterials. <i>Archives of Toxicology</i> , 2016, 90, 1769-1783.	4.2	52

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37	Immunomodulation by gastrointestinal carbon black nanoparticle exposure in ovalbumin T cell receptor transgenic mice. <i>Nanotoxicology</i> , 2016, 10, 1422-1430.	3.0	1
38	Characterization of in vitro genotoxic, cytotoxic and transcriptomic responses following exposures to amorphous silica of different sizes. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2016, 796, 8-22.	1.7	49
39	Transcriptional profiling identifies physicochemical properties of nanomaterials that are determinants of the in vivo pulmonary response. <i>Environmental and Molecular Mutagenesis</i> , 2015, 56, 245-264.	2.2	54
40	Gender differences in murine pulmonary responses elicited by cellulose nanocrystals. <i>Particle and Fibre Toxicology</i> , 2015, 13, 28.	6.2	64
41	Meta-analysis of transcriptomic responses as a means to identify pulmonary disease outcomes for engineered nanomaterials. <i>Particle and Fibre Toxicology</i> , 2015, 13, 25.	6.2	48
42	Application of biclustering of gene expression data and gene set enrichment analysis methods to identify potentially disease causing nanomaterials. <i>Beilstein Journal of Nanotechnology</i> , 2015, 6, 2438-2448.	2.8	49
43	Time-Dependent Subcellular Distribution and Effects of Carbon Nanotubes in Lungs of Mice. <i>PLoS ONE</i> , 2015, 10, e0116481.	2.5	27
44	Intratracheally instilled titanium dioxide nanoparticles translocate to heart and liver and activate complement cascade in the heart of C57BL/6 mice. <i>Nanotoxicology</i> , 2015, 9, 1013-1022.	3.0	92
45	MWCNTs of different physicochemical properties cause similar inflammatory responses, but differences in transcriptional and histological markers of fibrosis in mouse lungs. <i>Toxicology and Applied Pharmacology</i> , 2015, 284, 16-32.	2.8	159
46	Nano-risk Science: application of toxicogenomics in an adverse outcome pathway framework for risk assessment of multi-walled carbon nanotubes. <i>Particle and Fibre Toxicology</i> , 2015, 13, 15.	6.2	108
47	Changes in cholesterol homeostasis and acute phase response link pulmonary exposure to multi-walled carbon nanotubes to risk of cardiovascular disease. <i>Toxicology and Applied Pharmacology</i> , 2015, 283, 210-222.	2.8	57
48	Comparison of toxicogenomics and traditional approaches to inform mode of action and points of departure in human health risk assessment of benzo[<i>a</i>]pyrene in drinking water. <i>Critical Reviews in Toxicology</i> , 2015, 45, 1-43.	3.9	135
49	Impact of Cigarette Smoke on the Human and Mouse Lungs: A Gene-Expression Comparison Study. <i>PLoS ONE</i> , 2014, 9, e92498.	2.5	37
50	Particle-induced pulmonary acute phase response may be the causal link between particle inhalation and cardiovascular disease. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2014, 6, 517-531.	6.1	91
51	Pulmonary instillation of low doses of titanium dioxide nanoparticles in mice leads to particle retention and gene expression changes in the absence of inflammation. <i>Toxicology and Applied Pharmacology</i> , 2013, 269, 250-262.	2.8	91
52	Toxicogenomic outcomes predictive of forestomach carcinogenesis following exposure to benzo(a)pyrene: Relevance to human cancer risk. <i>Toxicology and Applied Pharmacology</i> , 2013, 273, 269-280.	2.8	33
53	IL-1 Receptor Regulates microRNA-135b Expression in a Negative Feedback Mechanism during Cigarette Smoke-Induced Inflammation. <i>Journal of Immunology</i> , 2013, 190, 3679-3686.	0.8	59
54	Transcriptomic Analysis Reveals Novel Mechanistic Insight into Murine Biological Responses to Multi-Walled Carbon Nanotubes in Lungs and Cultured Lung Epithelial Cells. <i>PLoS ONE</i> , 2013, 8, e80452.	2.5	80

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55	Hepatic and Pulmonary Toxicogenomic Profiles in Mice Intratracheally Instilled With Carbon Black Nanoparticles Reveal Pulmonary Inflammation, Acute Phase Response, and Alterations in Lipid Homeostasis. <i>Toxicological Sciences</i> , 2012, 127, 474-484.	3.1	96
56	Exposure of pregnant mice to carbon black by intratracheal instillation: Toxicogenomic effects in dams and offspring. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 745, 73-83.	1.7	92
57	Pulmonary response to surface-coated nanotitanium dioxide particles includes induction of acute phase response genes, inflammatory cascades, and changes in microRNAs: A toxicogenomic study. <i>Environmental and Molecular Mutagenesis</i> , 2011, 52, 425-439.	2.2	148