Yang Xiang

List of Publications by Year
in descending order

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28	1,290	516561 16	552653 26
papers	citations	h-index	g-index

28	28	28	1522
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Generalized Simulated Annealing for Global Optimization: The GenSA Package. R Journal, 2013, 5, 13.	0.7	229
2	Human bronchial epithelial cells exposed in vitro to cigarette smoke at the air-liquid interface resemble bronchial epithelium from human smokers. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 304, L489-L503.	1.3	133
3	Strengths and limitations of microarray-based phenotype prediction: lessons learned from the IMPROVER Diagnostic Signature Challenge. Bioinformatics, 2013, 29, 2892-2899.	1.8	108
4	Quantification of biological network perturbations for mechanistic insight and diagnostics using two-layer causal models. BMC Bioinformatics, 2014, 15, 238.	1.2	97
5	Toxicity of the main electronic cigarette components, propylene glycol, glycerin, and nicotine, in Sprague-Dawley rats in a 90-day OECD inhalation study complemented by molecular endpoints. Food and Chemical Toxicology, 2017, 109, 315-332.	1.8	94
6	Evaluation of the Tobacco Heating System 2.2. Part 4: 90-day OECD 413 rat inhalation study with systems toxicology endpoints demonstrates reduced exposure effects compared with cigarette smoke. Regulatory Toxicology and Pharmacology, 2016, 81, S59-S81.	1.3	70
7	A framework for in vitro systems toxicology assessment of e-liquids. Toxicology Mechanisms and Methods, 2016, 26, 392-416.	1.3	67
8	A 28-day rat inhalation study with an integrated molecular toxicology endpoint demonstrates reduced exposure effects for a prototypic modified risk tobacco product compared with conventional cigarettes. Food and Chemical Toxicology, 2014, 68, 204-217.	1.8	66
9	Impact Assessment of Cigarette Smoke Exposure on Organotypic Bronchial Epithelial Tissue Cultures: A Comparison of Mono-Culture and Coculture Model Containing Fibroblasts. Toxicological Sciences, 2015, 147, 207-221.	1.4	51
10	In vitrosystems toxicology approach to investigate the effects of repeated cigarette smoke exposure on human buccal and gingival organotypic epithelial tissue cultures. Toxicology Mechanisms and Methods, 2014, 24, 470-487.	1.3	50
11	A systems toxicology approach for comparative assessment: Biological impact of an aerosol from a candidate modified-risk tobacco product and cigarette smoke on human organotypic bronchial epithelial cultures. Toxicology in Vitro, 2017, 39, 29-51.	1.1	49
12	The Response of Human Nasal and Bronchial Organotypic Tissue Cultures to Repeated Whole Cigarette Smoke Exposure. International Journal of Toxicology, 2014, 33, 506-517.	0.6	41
13	A 6-month systems toxicology inhalation study in ApoE^{â^'/â^'} mice demonstrates reduced cardiovascular effects of E-vapor aerosols compared with cigarette smoke. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H604-H631.	1.5	38
14	Evaluation of the Tobacco Heating System 2.2 (THS2.2). Part 5: microRNA expression from a 90-day rat inhalation study indicates that exposure to THS2.2 aerosol causes reduced effects on lung tissue compared with cigarette smoke. Regulatory Toxicology and Pharmacology, 2016, 81, S82-S92.	1.3	37
15	A lower impact of an acute exposure to electronic cigarette aerosols than to cigarette smoke in human organotypic buccal and small airway cultures was demonstrated using systems toxicology assessment. Internal and Emergency Medicine, 2019, 14, 863-883.	1.0	30
16	Towards the validation of a lung tumorigenesis model with mainstream cigarette smoke inhalation using the A/J mouse. Toxicology, 2013, 305, 49-64.	2.0	22
17	Evaluation of toxicity of aerosols from flavored e-liquids in Sprague–Dawley rats in a 90-day OECD inhalation study, complemented by transcriptomics analysis. Archives of Toxicology, 2020, 94, 2179-2206.	1.9	14
18	Systems toxicology approaches enable mechanistic comparison of spontaneous and cigarette smoke-related lung tumor development in the A/J mouse model. Interdisciplinary Toxicology, 2014, 7, 73-84.	1.0	13

#	Article	IF	Citations
19	A 90-day OECD TG 413 rat inhalation study with systems toxicology endpoints demonstrates reduced exposure effects of the aerosol from the carbon heated tobacco product version 1.2 (CHTP1.2) compared with cigarette smoke. II. Systems toxicology assessment. Food and Chemical Toxicology, 2018, 115, 284-301.	1.8	13
20	The sbv IMPROVER Systems Toxicology computational challenge: Identification of human and species-independent blood response markers as predictors of smoking exposure and cessation status. Computational Toxicology, 2018, 5, 38-51.	1.8	13
21	Respiratory Effects of Exposure to Aerosol From the Candidate Modified-Risk Tobacco Product THS 2.2 in an 18-Month Systems Toxicology Study With A/J Mice. Toxicological Sciences, 2020, 178, 138-158.	1.4	13
22	Impact of wholeâ€body versus noseâ€only inhalation exposure systems on systemic, respiratory, and cardiovascular endpoints in a 2â€month cigarette smoke exposure study in the ApoE^{â^'/â^'} mouse model. Journal of Applied Toxicology, 2021, 41, 1598-1619.	1.4	11
23	Community-Reviewed Biological Network Models for Toxicology and Drug Discovery Applications. Gene Regulation and Systems Biology, 2016, 10, GRSB.S39076.	2.3	10
24	A 6-month inhalation toxicology study in Apoeâ^'/â^' mice demonstrates substantially lower effects of e-vapor aerosol compared with cigarette smoke in the respiratory tract. Archives of Toxicology, 2021, 95, 1805-1829.	1.9	7
25	sbv IMPROVER Diagnostic Signature Challenge. Systems Biomedicine (Austin, Tex), 2013, 1, 196-207.	0.7	6
26	Generalized Simulated Annealing. , 0, , .		5
27	A 7-month inhalation toxicology study in C57BL/6 mice demonstrates reduced pulmonary inflammation and emphysematous changes following smoking cessation or switching to e-vapor products. Toxicology Research and Application, 2021, 5, 239784732199587.	0.7	3
28	Discriminating Spontaneous From Cigarette Smoke and THS 2.2 Aerosol Exposure-Related Proliferative Lung Lesions in A/J Mice by Using Gene Expression and Mutation Spectrum Data. Frontiers in Toxicology, 2021, 3, 634035.	1.6	0