

Anita Iskandar

List of Publications by Year in descending order

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44
papers

1,238
citations

361296

20
h-index

377752

34
g-index

44
all docs

44
docs citations

44
times ranked

1503
citing authors

#	ARTICLE	IF	CITATIONS
1	A lung/liver-on-a-chip platform for acute and chronic toxicity studies. <i>Lab on A Chip</i> , 2018, 18, 3814-3829.	3.1	132
2	Biology-inspired microphysiological systems to advance medicines for patient benefit and animal welfare. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2020, 37, 365-394.	0.9	123
3	A framework for <i>in vitro</i> systems toxicology assessment of e-liquids. <i>Toxicology Mechanisms and Methods</i> , 2016, 26, 392-416.	1.3	67
4	Pathway-based predictive approaches for non-animal assessment of acute inhalation toxicity. <i>Toxicology in Vitro</i> , 2018, 52, 131-145.	1.1	66
5	Case study: the role of mechanistic network models in systems toxicology. <i>Drug Discovery Today</i> , 2014, 19, 183-192.	3.2	63
6	Î²-Cryptoxanthin Restores Nicotine-Reduced Lung SIRT1 to Normal Levels and Inhibits Nicotine-Promoted Lung Tumorigenesis and Emphysema in A/J Mice. <i>Cancer Prevention Research</i> , 2013, 6, 309-320.	0.7	59
7	Systems Approaches Evaluating the Perturbation of Xenobiotic Metabolism in Response to Cigarette Smoke Exposure in Nasal and Bronchial Tissues. <i>BioMed Research International</i> , 2013, 2013, 1-14.	0.9	51
8	Impact Assessment of Cigarette Smoke Exposure on Organotypic Bronchial Epithelial Tissue Cultures: A Comparison of Mono-Culture and Coculture Model Containing Fibroblasts. <i>Toxicological Sciences</i> , 2015, 147, 207-221.	1.4	51
9	<i>In vitro</i> systems toxicology approach to investigate the effects of repeated cigarette smoke exposure on human buccal and gingival organotypic epithelial tissue cultures. <i>Toxicology Mechanisms and Methods</i> , 2014, 24, 470-487.	1.3	50
10	Systems Toxicology Assessment of the Biological Impact of a Candidate Modified Risk Tobacco Product on Human Organotypic Oral Epithelial Cultures. <i>Chemical Research in Toxicology</i> , 2016, 29, 1252-1269.	1.7	49
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. <i>Toxicology in Vitro</i> , 2017, 39, 29-51.	1.1	49
12	3-D nasal cultures: Systems toxicological assessment of a candidate modified-risk tobacco product. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 23-48.	0.9	44
13	Î²-Cryptoxanthin Reduced Lung Tumor Multiplicity and Inhibited Lung Cancer Cell Motility by Downregulating Nicotinic Acetylcholine Receptor $\alpha 7$ Signaling. <i>Cancer Prevention Research</i> , 2016, 9, 875-886.	0.7	42
14	Toxicity of aerosols of nicotine and pyruvic acid (separate and combined) in Sprague-Dawley rats in a 28-day OECD 412 inhalation study and assessment of systems toxicology. <i>Inhalation Toxicology</i> , 2015, 27, 405-431.	0.8	37
15	Construction of biological networks from unstructured information based on a semi-automated curation workflow. <i>Database: the Journal of Biological Databases and Curation</i> , 2015, 2015, bav057.	1.4	33
16	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. <i>Internal and Emergency Medicine</i> , 2019, 14, 863-883.	1.0	30
17	Impact Assessment of Repeated Exposure of Organotypic 3D Bronchial and Nasal Tissue Culture Models to Whole Cigarette Smoke. <i>Journal of Visualized Experiments</i> , 2015, , .	0.2	29
18	Assessment of the impact of aerosol from a potential modified risk tobacco product compared with cigarette smoke on human organotypic oral epithelial cultures under different exposure regimens. <i>Food and Chemical Toxicology</i> , 2018, 115, 148-169.	1.8	26

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19	Application of a multi-layer systems toxicology framework for in vitro assessment of the biological effects of Classic Tobacco e-liquid and its corresponding aerosol using an e-cigarette device with MESHÂ technology. Archives of Toxicology, 2019, 93, 3229-3247.	1.9	26
20	Comparative biological impacts of an aerosol from carbon-heated tobacco and smoke from cigarettes on human respiratory epithelial cultures: A systems toxicology assessment. Food and Chemical Toxicology, 2018, 115, 109-126.	1.8	25
21	Systems toxicology meta-analysis of in vitro assessment studies: biological impact of a candidate modified-risk tobacco product aerosol compared with cigarette smoke on human organotypic cultures of the aerodigestive tract. Toxicology Research, 2017, 6, 631-653.	0.9	24
22	Comparative effects of a candidate modified-risk tobacco product Aerosol and cigarette smoke on human organotypic small airway cultures: a systems toxicology approach. Toxicology Research, 2017, 6, 930-946.	0.9	21
23	Organs-on-a-chip. Toxicology Research and Application, 2017, 1, 239784731772635.	0.7	21
24	Transcriptional profiling and targeted proteomics reveals common molecular changes associated with cigarette smoke-induced lung emphysema development in five susceptible mouse strains. Inflammation Research, 2015, 64, 471-486.	1.6	17
25	Comparison of the basic morphology and function of 3D lung epithelial cultures derived from several donors. Current Research in Toxicology, 2020, 1, 56-69.	1.3	17
26	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
27	New approaches to risk assessment of chemical mixtures. Toxicology Research and Application, 2019, 3, 239784731882076.	0.7	13
28	A crowd-sourcing approach for the construction of species-specific cell signaling networks. Bioinformatics, 2015, 31, 484-491.	1.8	10
29	Alternatives to Animal Use in Risk Assessment of Mixtures. International Journal of Toxicology, 2020, 39, 165-172.	0.6	9
30	Assessment of a 72-hour repeated exposure to Swedish snus extract and total particulate matter from 3R4F cigarette smoke on gingival organotypic cultures. Food and Chemical Toxicology, 2019, 125, 252-270.	1.8	8
31	Comparing the preclinical risk profile of inhalable candidate and potential candidate modified risk tobacco products: A bridging use case. Toxicology Reports, 2020, 7, 1187-1206.	1.6	8
32	Comparison of the biological impact of aerosol of e-vapor device with MESHÂ® technology and cigarette smoke on human bronchial and alveolar cultures. Toxicology Letters, 2021, 337, 98-110.	0.4	7
33	3-D nasal cultures: Systems toxicological assessment of a candidate modified-risk tobacco product_suppl. ALTEX: Alternatives To Animal Experimentation, 0, , .	0.9	6
34	Assessment of in vitro kinetics and biological impact of nebulized trehalose on human bronchial epithelium. Food and Chemical Toxicology, 2021, 157, 112577.	1.8	5
35	Optimization of a Novel In Situ Hybridization Technology on 3D Organotypic Cell Cultures. Applied in Vitro Toxicology, 2019, 5, 75-85.	0.6	2
36	A meta-analysis of microRNAs expressed in human aerodigestive epithelial cultures and their role as potential biomarkers of exposure response to nicotine-containing products. Toxicology Reports, 2020, 7, 1282-1295.	1.6	2

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37	Impact of aerosols on liver xenobiotic metabolism: A comparison of two methods of exposure. <i>Toxicology in Vitro</i> , 2022, 79, 105277.	1.1	2
38	State-of-the-art methods and devices for generation, exposure, and collection of aerosols from e-vapor products. <i>Toxicology Research and Application</i> , 2020, 4, 239784732097975.	0.7	1
39	Xenobiotic Metabolism Activation as a Biomarker of Cigarette Smoke Exposure Response. <i>Methods in Pharmacology and Toxicology</i> , 2015, , 285-315.	0.1	0
40	Systems Toxicology meta-analysis: Impact of a candidate modified-risk tobacco product aerosol compared with cigarette smoke on organotypic aerodigestive tract cultures. <i>Toxicology Letters</i> , 2017, 280, S262-S263.	0.4	0
41	Toxicological Assessment In Vitro. , 2021, , 257-304.		0
42	β-Cryptoxanthin supplementation inhibits carcinogen-initiated and nicotine-promoted lung tumor development in A/J mice. <i>FASEB Journal</i> , 2012, 26, 27.2.	0.2	0
43	Modulations of sirtuin 1 protein levels by nicotine and β-cryptoxanthin can be mediated by miR-34a in A/J mice lung cancer model. <i>FASEB Journal</i> , 2013, 27, 32.2.	0.2	0
44	Abstract B1-19: Computable cancer hallmarks - The construction of novel computable biological network models reflecting causal mechanisms of cancer hallmarks. , 2015, , .		0