Manuel C Peitsch

List of Publications by Year
in descending order

317 papers	30,785 citations	20817 60 h-index	4774 169 g-index
337 all docs	337 docs citations	337 times ranked	34554 citing authors

#	Article	IF	Citations
1	Impact of aerosols on liver xenobiotic metabolism: A comparison of two methods of exposure. Toxicology in Vitro, 2022, 79, 105277.	2.4	2
2	Iota-carrageenan extracted from red algae is a potent inhibitor of SARSâ€CoV-2 infection in reconstituted human airway epithelia. Biochemistry and Biophysics Reports, 2022, 29, 101187.	1.3	6
3	Causal Biological Network Model for Inflammasome Signaling Applied for Interpreting Transcriptomic Changes in Various Inflammatory States. International Journal of Inflammation, 2022, 2022, 1-13.	1.5	1
4	Pulmonary Delivery of Aerosolized Chloroquine and Hydroxychloroquine to Treat COVID-19: In Vitro Experimentation to Human Dosing Predictions. AAPS Journal, 2022, 24, 33.	4.4	5
5	Effects of cigarette smoke exposure on a mouse model of multiple sclerosis. Toxicology Reports, 2022, 9, 597-610.	3.3	1
6	Causal biological network models for reactive astrogliosis: a systems approach to neuroinflammation. Scientific Reports, 2022, 12, 4205.	3.3	2
7	Toxicological Assessment of Flavor Ingredients in E-Vapor Products. Frontiers in Toxicology, 2022, 4, 878976.	3.1	2
8	The clove (Syzygium aromaticum) genome provides insights into the eugenol biosynthesis pathway. Communications Biology, 2022, 5, .	4.4	6
9	Applying Systems Toxicology Methods to Drug Safety. , 2021, , 330-341.		1
10	Inflammatory Bowel Diseaseâ€"Associated Changes in the Gut: Focus on Kazan Patients. Inflammatory Bowel Diseases, 2021, 27, 418-433.	1.9	27
11	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.	0.8	7
12	Clinical Assessment of ENDPs. , 2021, , 385-459.		1
13	A Systems-Based Approach to Toxicity Testing. , 2021, , 189-206.		0
14	Scientific Basis for Assessment of Electronic Nicotine Delivery Products. , 2021, , 23-40.		0
15	Smoking-Related Disease Risk Reduction Potential of ENDPs. , 2021, , 461-500.		1
16	Systems pharmacology investigation of mechanism of action of nutraceuticals. , 2021, , 345-361.		2
17	Aerosol Filtration Testing of Fabrics for Development of Reusable Face Masks. Aerosol and Air Quality Research, 2021, 21, 210052.	2.1	7
18	Assessment of ENDPs in Animal Models of Disease. , 2021, , 319-365.		0

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19	Residual Risk of Nicotine. , 2021, , 513-587.		1
20	Toxicological Assessment of Flavors Used in E-vapor Products. , 2021, , 367-383.		1
21	Toxicological Assessment InÂVitro. , 2021, , 257-304.		0
22	In Vivo Profiling of a Natural Alkaloid, Anatabine, in Rodents: Pharmacokinetics and Anti-Inflammatory Efficacy. Journal of Natural Products, 2021, 84, 1012-1021.	3.0	4
23	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.	3.1	0
24	Development of an Advanced Multicellular Intestinal Model for Assessing Immunomodulatory Properties of Anti-Inflammatory Compounds. Frontiers in Pharmacology, 2021, 12, 639716.	3.5	7
25	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.	2.8	11
26	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.	4.2	7
27	Systems biology approach highlights mechanistic differences between Crohnâ€™s disease and ulcerative colitis. Scientific Reports, 2021, 11, 11519.	3.3	10
28	Systems Toxicology Approach for Assessing Developmental Neurotoxicity in Larval Zebrafish. Frontiers in Genetics, 2021, 12, 652632.	2.3	3
29	Systems toxicology study reveals reduced impact of heated tobacco product aerosol extract relative to cigarette smoke on premature aging and exacerbation effects in aged aortic cells in vitro. Archives of Toxicology, 2021, 95, 3341-3359.	4.2	7
30	Effects of nicotinic acetylcholine receptor-activating alkaloids on anxiety-like behavior in zebrafish. Journal of Natural Medicines, 2021, 75, 926-941.	2.3	5
31	Impact of 6-Month Exposure to Aerosols From Potential Modified Risk Tobacco Products Relative to Cigarette Smoke on the Rodent Gastrointestinal Tract. Frontiers in Microbiology, 2021, 12, 587745.	3.5	4
32	Effects of plant alkaloids on mitochondrial bioenergetic parameters. Food and Chemical Toxicology, 2021, 154, 112316.	3.6	1
33	Subchronic effects of plant alkaloids on anxiety-like behavior in zebrafish. Pharmacology Biochemistry and Behavior, 2021, 207, 173223.	2.9	10
34	Assessment of in vitro kinetics and biological impact of nebulized trehalose on human bronchial epithelium. Food and Chemical Toxicology, 2021, 157, 112577.	3.6	5
35	Translational Models for ENDP Assessment. , 2021, , 207-222.		0
36	Toxicological Assessment of ENDPs InÂVivo. , 2021, , 305-317.		0

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37	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.	0.6	3
38	Tobacco Harm Reduction Concepts and Policy Approaches. , 2021, , 1-15.		1
39	Effects of whitening toothpaste and bleaching treatment on resin composite discoloration caused by cigarette smoke and electronic vapor aerosol. American Journal of Dentistry, 2021, 34, 63-69.	0.1	1
40	An electrophysiological characterization of naturally occurring tobacco alkaloids and their action on human Î±4Î²2 and Î±7 nicotinic acetylcholine receptors. Phytochemistry, 2020, 170, 112187.	2.9	24
41	Structural, functional, and molecular impact on the cardiovascular system in ApoE-/- mice exposed to aerosol from candidate modified risk tobacco products, Carbon Heated Tobacco Product 1.2 and Tobacco Heating System 2.2, compared with cigarette smoke. Chemico-Biological Interactions, 2020, 315, 108887.	4.0	10
42	Systems toxicology assessment of a representative e-liquid formulation using human primary bronchial epithelial cells. Toxicology Reports, 2020, 7, 67-80.	3.3	16
43	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.	3.3	2
44	Systems Toxicology Approach for Testing Chemical Cardiotoxicity in Larval Zebrafish. Chemical Research in Toxicology, 2020, 33, 2550-2564.	3.3	13
45	Ceramide ratios are affected by cigarette smoke but not heat-not-burn or e-vapor aerosols across four independent mouse studies. Life Sciences, 2020, 263, 118753.	4.3	9
46	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.	3.1	13
47	Anatabine ameliorates intestinal inflammation and reduces the production of pro-inflammatory factors in a dextran sulfate sodium mouse model of colitis. Journal of Inflammation, 2020, 17, 29.	3.4	12
48	Comparison of the basic morphology and function of 3D lung epithelial cultures derived from several donors. Current Research in Toxicology, 2020, 1, 56-69.	2.7	17
49	Reduced Chronic Toxicity and Carcinogenicity in A/J Mice in Response to Life-Time Exposure to Aerosol From a Heated Tobacco Product Compared With Cigarette Smoke. Toxicological Sciences, 2020, 178, 44-70.	3.1	12
50	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.	3.3	8
51	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.	4.2	14
52	E-vapor aerosols do not compromise bone integrity relative to cigarette smoke after 6-month inhalation in an ApoE–/– mouse model. Archives of Toxicology, 2020, 94, 2163-2177.	4.2	17
53	The reduction of DSS-induced colitis severity in mice exposed to cigarette smoke is linked to immune modulation and microbial shifts. Scientific Reports, 2020, 10, 3829.	3.3	20
54	Analysis of chemical deposits on tooth enamel exposed to total particulate matter from cigarette smoke and tobacco heating system 2.2 aerosol by novel GC–MS deconvolution procedures. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1152, 122228.	2.3	15

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55	In Vitro High-Content Imaging-Based Phenotypic Analysis of Bronchial 3D Organotypic Airâ€“Liquid Interface Cultures. SLAS Technology, 2020, 25, 247-252.	1.9	5
56	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.	3.2	38
57	Lung transcriptomic clock predicts premature aging in cigarette smoke-exposed mice. BMC Genomics, 2020, 21, 291.	2.8	15
58	Multi-omics systems toxicology study of mouse lung assessing the effects of aerosols from two heat-not-burn tobacco products and cigarette smoke. Computational and Structural Biotechnology Journal, 2020, 18, 1056-1073.	4.1	25
59	Production of Valuable Compounds in Tobacco. Compendium of Plant Genomes, 2020, , 249-263.	0.5	3
60	Alternatives to Animal Use in Risk Assessment of Mixtures. International Journal of Toxicology, 2020, 39, 165-172.	1.2	9
61	State-of-the-art methods and devices for the generation, exposure, and collection of aerosols from heat-not-burn tobacco products. Toxicology Research and Application, 2020, 4, 239784731989786.	0.6	5
62	Systems Toxicology Approach to Unravel Early Indicators of Squamous Cell Carcinoma Rate in Rat Nasal Epithelium Induced by Formaldehyde Exposure. Advances in Intelligent Systems and Computing, 2020, , 16-24.	0.6	1
63	State-of-the-art methods and devices for generation, exposure, and collection of aerosols from e-vapor products. Toxicology Research and Application, 2020, 4, 239784732097975.	0.6	1
64	Antiparasitic properties of leaf extracts derived from selected Nicotiana species and Nicotiana tabacum varieties. Food and Chemical Toxicology, 2019, 132, 110660.	3.6	27
65	Effects of Switching to a Heat-Not-Burn Tobacco Product on Biologically Relevant Biomarkers to Assess a Candidate Modified Risk Tobacco Product: A Randomized Trial. Cancer Epidemiology Biomarkers and Prevention, 2019, 28, 1934-1943.	2.5	64
66	GladiaTOX: GLobal Assessment of Dose-IndicAtor in TOXicology. Bioinformatics, 2019, 35, 4190-4192.	4.1	6
67	Comparison of monoamine oxidase inhibition by cigarettes and modified risk tobacco products. Toxicology Reports, 2019, 6, 1206-1215.	3.3	16
68	NPA: an R package for computing network perturbation amplitudes using gene expression data and two-layer networks. BMC Bioinformatics, 2019, 20, 451.	2.6	7
69	Effects of different discoloration challenges and whitening treatments on dental hard tissues and composite resin restorations. Journal of Dentistry, 2019, 89, 103182.	4.1	38
70	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.	4.2	26
71	Respirable aerosol exposures of nicotine dry powder formulations to in vitro, ex vivo, and in vivo pre-clinical models demonstrate consistency of pharmacokinetic profiles. Inhalation Toxicology, 2019, 31, 248-257.	1.6	5
72	Mitochondria as a possible target for nicotine action. Journal of Bioenergetics and Biomembranes, 2019, 51, 259-276.	2.3	61

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73	Systems toxicology meta-analysisâ€"From aerosol exposure to nanotoxicology. Current Opinion in Toxicology, 2019, 16, 39-48.	5.0	7
74	Toxicological assessment of Tobacco Heating System 2.2: Findings from an independent peer review. Regulatory Toxicology and Pharmacology, 2019, 104, 115-127.	2.7	9
75	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.	2.0	30
76	Construction of a Suite of Computable Biological Network Models Focused on Mucociliary Clearance in the Respiratory Tract. Frontiers in Genetics, 2019, 10, 87.	2.3	6
77	A Meta-Analysis of the Performance of a Blood-Based Exposure Response Gene Signature Across Clinical Studies on the Tobacco Heating System 2.2 (THS 2.2). Frontiers in Pharmacology, 2019, 10, 198.	3.5	2
78	Assessing the lung cancer risk reduction potential of candidate modified risk tobacco products. Internal and Emergency Medicine, 2019, 14, 821-834.	2.0	13
79	A six-month systems toxicology inhalation/cessation study in ApoEâˆ'/âˆ' mice to investigate cardiovascular and respiratory exposure effects of modified risk tobacco products, CHTP 1.2 and THS 2.2, compared with conventional cigarettes. Food and Chemical Toxicology, 2019, 126, 113-141.	3.6	40
80	Bridging inhaled aerosol dosimetry to physiologically based pharmacokinetic modeling for toxicological assessment: nicotine delivery systems and beyond. Critical Reviews in Toxicology, 2019, 49, 725-741.	3.9	25
81	Tobacco Heating System 2.2 has a limited impact on DNA methylation of candidate enhancers in mouse lung compared with cigarette smoke. Food and Chemical Toxicology, 2019, 123, 501-510.	3.6	11
82	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.	3.6	8
83	A method for determination of tracheobronchial airway geometries from four different strains of mice. FASEB Journal, 2019, 33, lb107.	0.5	1
84	Effects of cigarette smoke and tobacco heating aerosol on color stability of dental enamel, dentin, and composite resin restorations. Quintessence International, 2019, 50, 156-166.	0.4	18
85	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.	3.6	25
86	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. Food and Chemical Toxicology, 2018, 115, 148-169.	3.6	26
87	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. I. Inhalation exposure, clinical pathology and histopathology. Food and Chemical Toxicology, 2018, 116, 388-413.	3.6	28
88	Assessment of mitochondrial function following short- and long-term exposure of human bronchial epithelial cells to total particulate matter from a candidate modified-risk tobacco product and reference cigarettes. Food and Chemical Toxicology, 2018, 115, 1-12.	3.6	38
89	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.	3.6	13
90	The biological effects of long-term exposure of human bronchial epithelial cells to total particulate matter from a candidate modified-risk tobacco product. Toxicology in Vitro, 2018, 50, 95-108.	2.4	23

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91	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.	3.3	13
92	Epigenomics in tobacco risk assessment: Opportunities for integrated new approaches. Current Opinion in Toxicology, 2018, 11-12, 67-83.	5.0	2
93	Biological changes in C57BL/6 mice following 3Âweeks of inhalation exposure to cigarette smoke or e-vapor aerosols. Inhalation Toxicology, 2018, 30, 553-567.	1.6	28
94	A lung/liver-on-a-chip platform for acute and chronic toxicity studies. Lab on A Chip, 2018, 18, 3814-3829.	6.0	132
95	Animal Inhalation Models to Investigate Modulation of Inflammatory Bowel Diseases. , 2018, , .		0
96	The impact of genome evolution on the allotetraploid Nicotiana rustica â€“ an intriguing story of enhanced alkaloid production. BMC Genomics, 2018, 19, 855.	2.8	23
97	Embracing Transparency Through Data Sharing. International Journal of Toxicology, 2018, 37, 466-471.	1.2	9
98	Proteomics and Lipidomics in Inflammatory Bowel Disease Research: From Mechanistic Insights to Biomarker Identification. International Journal of Molecular Sciences, 2018, 19, 2775.	4.1	35
99	Developing Network-Based Systems Toxicology by Combining Transcriptomics Data with Literature Mining and Multiscale Quantitative Modeling. , 2018, , .		0
100	In vitro systems toxicology-based assessment of the potential modified risk tobacco product CHTP 1.2 for vascular inflammation- and cytotoxicity-associated mechanisms promoting adhesion of monocytic cells to human coronary arterial endothelial cells. Food and Chemical Toxicology, 2018, 120, 390-406.	3.6	12
101	Next-generation tobacco and nicotine products. Toxicology Research and Application, 2018, 2, 239784731877370.	0.6	6
102	Interrogating the microbiome: experimental and computational considerations in support of study reproducibility. Drug Discovery Today, 2018, 23, 1644-1657.	6.4	63
103	Aerosol from Tobacco Heating System 2.2 has reduced impact on mouse heart gene expression compared with cigarette smoke. Food and Chemical Toxicology, 2017, 101, 157-167.	3.6	14
104	Crowd-Sourced Verification of Computational Methods and Data in Systems Toxicology: A Case Study with a Heat-Not-Burn Candidate Modified Risk Tobacco Product. Chemical Research in Toxicology, 2017, 30, 934-945.	3.3	15
105	Multicomponent aerosol particle deposition in a realistic cast of the human upper respiratory tract. Inhalation Toxicology, 2017, 29, 113-125.	1.6	28
106	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.	2.4	49
107	Novel approaches to develop community-built biological network models for potential drug discovery. Expert Opinion on Drug Discovery, 2017, 12, 1-9.	5.0	13
108	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.	2.1	24

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109	Systems Toxicology: Real World Applications and Opportunities. Chemical Research in Toxicology, 2017, 30, 870-882.	3.3	93
110	Comparative systems toxicology analysis of cigarette smoke and aerosol from a candidate modified risk tobacco product in organotypic human gingival epithelial cultures: A 3-day repeated exposure study. Food and Chemical Toxicology, 2017, 101, 15-35.	3.6	44
111	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.	2.1	21
112	Organs-on-a-chip. Toxicology Research and Application, 2017, 1, 239784731772635.	0.6	21
113	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.	3.6	94
114	Mechanistic Evaluation of the Impact of Smoking and Chronic Obstructive Pulmonary Disease on the Nasal Epithelium. Clinical Medicine Insights: Circulatory, Respiratory and Pulmonary Medicine, 2017, 11, 117954841771092.	0.9	6
115	Perplexing Conclusions Concerning Heat-Not-Burn Tobacco Cigarettes. JAMA Internal Medicine, 2017, 177, 1698.	5.1	6
116	In Vitro Systems Toxicology Assessment of Nonflavored e-Cigarette Liquids in Primary Lung Epithelial Cells. Applied in Vitro Toxicology, 2017, 3, 41-55.	1.1	20
117	Supporting evidence-based analysis for modified risk tobacco products through a toxicology data-sharing infrastructure. F1000Research, 2017, 6, 12.	1.6	7
118	Supporting evidence-based analysis for modified risk tobacco products through a toxicology data-sharing infrastructure. F1000Research, 2017, 6, 12.	1.6	10
119	3-D nasal cultures: Systems toxicological assessment of a candidate modified-risk tobacco product. ALTEX: Alternatives To Animal Experimentation, 2017, 34, 23-48.	1.5	44
120	Effects of cigarette smoking on color stability of dental resin composites. American Journal of Dentistry, 2017, 30, 316-322.	0.1	7
121	Semi-Automated Curation Allows Causal Network Model Building for the Quantification of Age-Dependent Plaque Progression in ApoEâ€"/â€" Mouse. Gene Regulation and Systems Biology, 2016, 10, GRSB.S40031.	2.3	9
122	Alterations in Serum Polyunsaturated Fatty Acids and Eicosanoids in Patients with Mild to Moderate Chronic Obstructive Pulmonary Disease (COPD). International Journal of Molecular Sciences, 2016, 17, 1583.	4.1	34
123	Community-Reviewed Biological Network Models for Toxicology and Drug Discovery Applications. Gene Regulation and Systems Biology, 2016, 10, GRSB.S39076.	2.3	10
124	The BEL information extraction workflow (BELIEF): evaluation in the BioCreative V BEL and IAT track. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw136.	3.0	15
125	Comprehensive systems biology analysis of a 7-month cigarette smoke inhalation study in C57BL/6 mice. Scientific Data, 2016, 3, 150077.	5.3	25
126	Evaluation of the Tobacco Heating System 2.2. Part 7: Systems toxicological assessment of a mentholated version revealed reduced cellular and molecular exposure effects compared with mentholated and non-mentholated cigarette smoke. Regulatory Toxicology and Pharmacology, 2016, 81, S123-S138.	2.7	42

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127	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.	2.7	70
128	Evaluation of the Tobacco Heating System 2.2. Part 6: 90-day OECD 413 rat inhalation study with systems toxicology endpoints demonstrates reduced exposure effects of a mentholated version compared with mentholated and non-mentholated cigarette smoke. Regulatory Toxicology and Pharmacology, 2016, 81, S93-S122.	2.7	52
129	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.	2.7	37
130	Effects of cigarette smoke, cessation and switching to a candidate modified risk tobacco product on the liver in Apoe^{â^'/â^'} mice â€“ a systems toxicology analysis. Inhalation Toxicology, 2016, 28, 226-240.	1.6	22
131	A framework for in vitro systems toxicology assessment of e-liquids. Toxicology Mechanisms and Methods, 2016, 26, 392-416.	2.7	67
132	Quantitative proteomics analysis using 2D-PAGE to investigate the effects of cigarette smoke and aerosol of a prototypic modified risk tobacco product on the lung proteome in C57BL/6 mice. Journal of Proteomics, 2016, 145, 237-245.	2.4	17
133	Evaluation of the Tobacco Heating System 2.2. Part 1: Description of the system and the scientific assessment program. Regulatory Toxicology and Pharmacology, 2016, 81, S17-S26.	2.7	204
134	Aerosol Flow in the Vitrocell 24/48 Exposure System: Flow Mixing and Aerosol Coalescence. Applied in Vitro Toxicology, 2016, 2, 165-174.	1.1	7
135	Systems Toxicology Assessment of the Biological Impact of a Candidate Modified Risk Tobacco Product on Human Organotypic Oral Epithelial Cultures. Chemical Research in Toxicology, 2016, 29, 1252-1269.	3.3	49
136	Evaluation of the tobacco heating system 2.2. Part 9: Application of systems pharmacology to identify exposure response markers in peripheral blood of smokers switching to THS2.2. Regulatory Toxicology and Pharmacology, 2016, 81, S151-S157.	2.7	34
137	High Content Screening Analysis to Evaluate the Toxicological Effects of Harmful and Potentially Harmful Constituents (HPHC). Journal of Visualized Experiments, 2016, , .	0.3	17
138	Training and evaluation corpora for the extraction of causal relationships encoded in biological expression language (BEL). Database: the Journal of Biological Databases and Curation, 2016, 2016, baw113.	3.0	24
139	Mechanistic Network Models in Safety and Toxicity Evaluation of Nutraceuticals. , 2016, , 287-304.		4
140	Systems toxicology-based assessment of the candidate modified risk tobacco product THS2.2 for the adhesion of monocytic cells to human coronary arterial endothelial cells. Toxicology, 2016, 339, 73-86.	4.2	36
141	The Apoeâ^'/â^' mouse model: a suitable model to study cardiovascular and respiratory diseases in the context of cigarette smoke exposure and harm reduction. Journal of Translational Medicine, 2016, 14, 146.	4.4	137
142	In Vitro Systems Toxicology Assessment of a Candidate Modified Risk Tobacco Product Shows Reduced Toxicity Compared to That of a Conventional Cigarette. Chemical Research in Toxicology, 2016, 29, 3-18.	3.3	60
143	Effects of Cigarette Smoke, Cessation, and Switching to Two Heat-Not-Burn Tobacco Products on Lung Lipid Metabolism inC57BL/6andApoe^{â^'/â^'}Miceâ€"An Integrative Systems Toxicology Analysis. Toxicological Sciences, 2016, 149, 441-457.	3.1	49
144	An 8-Month Systems Toxicology Inhalation/Cessation Study in Apoe^{â^'/â^'}Mice to Investigate Cardiovascular and Respiratory Exposure Effects of a Candidate Modified Risk Tobacco Product, THS 2.2, Compared With Conventional Cigarettes. Toxicological Sciences, 2016, 149, 411-432.	3.1	81

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145	The SIB Swiss Institute of Bioinformaticsâ€™ resources: focus on curated databases. Nucleic Acids Research, 2016, 44, D27-D37.	14.5	64
146	Advancing Risk Assessment through the Application of Systems Toxicology. Toxicological Research, 2016, 32, 5-8.	2.1	14
147	Construction of biological networks from unstructured information based on a semi-automated curation workflow. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav057.	3.0	33
148	The systems toxicology challenge. , 2015, , .		0
149	Identification of gene expression signature for cigarette smoke exposure responseâ€"from man to mouse. Human and Experimental Toxicology, 2015, 34, 1200-1211.	2.2	30
150	A Systems Biology Approach Reveals the Dose- and Time-Dependent Effect of Primary Human Airway Epithelium Tissue Culture after Exposure to Cigarette Smoke in Vitro. Bioinformatics and Biology Insights, 2015, 9, BBI.S19908.	2.0	11
151	Impact Assessment of Repeated Exposure of Organotypic 3D Bronchial and Nasal Tissue Culture Models to Whole Cigarette Smoke. Journal of Visualized Experiments, 2015, , .	0.3	29
152	Causal biological network database: a comprehensive platform of causal biological network models focused on the pulmonary and vascular systems. Database: the Journal of Biological Databases and Curation, 2015, 2015, bav030.	3.0	89
153	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.	4.0	17
154	Understanding the limits of animal models as predictors of human biology: lessons learned from the sbv IMPROVER Species Translation Challenge. Bioinformatics, 2015, 31, 471-483.	4.1	57
155	Where are we at regarding species translation? A review of the sbv IMPROVER challenge. Bioinformatics, 2015, 31, 451-452.	4.1	2
156	A crowd-sourcing approach for the construction of species-specific cell signaling networks. Bioinformatics, 2015, 31, 484-491.	4.1	10
157	A prototypic modified risk tobacco product exhibits reduced effects on chemotaxis and transendothelial migration of monocytes compared with a reference cigarette. Food and Chemical Toxicology, 2015, 80, 277-286.	3.6	17
158	A 7-month cigarette smoke inhalation study in C57BL/6 mice demonstrates reduced lung inflammation and emphysema following smoking cessation or aerosol exposure from a prototypic modified risk tobacco product. Food and Chemical Toxicology, 2015, 80, 328-345.	3.6	88
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