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List of Publications by Year
in descending order

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70	5,896	136950	123424
papers	citations	32 h-index	61 g-index

73	73	73	9321
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient and rapid generation of induced pluripotent stem cells from human keratinocytes. Nature Biotechnology, 2008, 26, 1276-1284.	17.5	1,275
2	Dedifferentiation, transdifferentiation and reprogramming: three routes to regeneration. Nature Reviews Molecular Cell Biology, 2011, 12, 79-89.	37.0	567
3	Recapitulation of premature ageing with iPSCs from Hutchinsonâ€“Gilford progeria syndrome. Nature, 2011, 472, 221-225.	27.8	510
4	Methods for making induced pluripotent stem cells: reprogramming Ã la carte. Nature Reviews Genetics, 2011, 12, 231-242.	16.3	415
5	Generation of Induced Pluripotent Stem Cells from Human Cord Blood Using OCT4 and SOX2. Cell Stem Cell, 2009, 5, 353-357.	11.1	392
6	LSD1 regulates the balance between self-renewal and differentiation in human embryonic stem cells. Nature Cell Biology, 2011, 13, 652-659.	10.3	281
7	Waves of early transcriptional activation and pluripotency program initiation during human preimplantation development. Development (Cambridge), 2011, 138, 3699-3709.	2.5	237
8	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
9	Alternative splicing and evolution. BioEssays, 2003, 25, 1031-1034.	2.5	119
10	Strengths and limitations of microarray-based phenotype prediction: lessons learned from the IMPROVER Diagnostic Signature Challenge. Bioinformatics, 2013, 29, 2892-2899.	4.1	108
11	Direct membrane proteinâ€“DNA interactions required early in nuclear envelope assembly. Journal of Cell Biology, 2006, 173, 469-476.	5.2	102
12	Epigenetic Mechanisms that Regulate Cell Identity. Cell Stem Cell, 2010, 7, 565-570.	11.1	98
13	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
14	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
15	ASTD: The Alternative Splicing and Transcript Diversity database. Genomics, 2009, 93, 213-220.	2.9	87
16	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
17	Homozygous PMS2 germline mutations in two families with early-onset haematological malignancy, brain tumours, HNPCC-associated tumours, and signs of neurofibromatosis type 1. European Journal of Human Genetics, 2008, 16, 62-72.	2.8	79
18	Macrohistone Variants Preserve Cell Identity by Preventing the Gain of H3K4me2 during Reprogramming to Pluripotency. Cell Reports, 2013, 3, 1005-1011.	6.4	72

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19	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
20	Identification of tightly regulated groups of genes during Drosophila melanogaster embryogenesis. Molecular Systems Biology, 2007, 3, 72.	7.2	67
21	Interrogating the microbiome: experimental and computational considerations in support of study reproducibility. Drug Discovery Today, 2018, 23, 1644-1657.	6.4	63
22	Similar gene expression profiles do not imply similar tissue functions. Trends in Genetics, 2006, 22, 132-138.	6.7	59
23	Transcriptomics approach to investigate zebrafish heart regeneration. Journal of Cardiovascular Medicine, 2010, 11, 369-380.	1.5	54
24	Modulation of atherogenic lipidome by cigarette smoke in apolipoprotein E-deficient mice. Atherosclerosis, 2012, 225, 328-334.	0.8	50
25	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
26	Analysis of Human and Mouse Reprogramming of Somatic Cells to Induced Pluripotent Stem Cells. What Is in the Plate?. PLoS ONE, 2010, 5, e12664.	2.5	47
27	Cigarette smoke induces molecular responses in respiratory tissues of ApoEâ^'/â^' mice that are progressively deactivated upon cessation. Toxicology, 2013, 314, 112-124.	4.2	47
28	Cigarette-smoke-induced atherogenic lipid profiles in plasma and vascular tissue of apolipoprotein E-deficient mice are attenuated by smoking cessation. Atherosclerosis, 2013, 229, 86-93.	0.8	47
29	The species translation challengeâ€"A systems biology perspective on human and rat bronchial epithelial cells. Scientific Data, 2014, 1, 140009.	5.3	46
30	Recent amplification and impact of MITEs on the genome of grapevine (Vitis vinifera L.). Genome Biology and Evolution, 2009, 1, 75-84.	2.5	42
31	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. Inhalation Toxicology, 2015, 27, 405-431.	1.6	37
32	Exploring the microbiome in health and disease. Toxicology Research and Application, 2017, 1, 239784731774188.	0.6	36
33	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
34	Extraction of Transcript Diversity from Scientific Literature. PLoS Computational Biology, 2005, 1, e10.	3.2	31
35	Enhancement of COPD biological networks using a web-based collaboration interface. F1000Research, 2015, 4, 32.	1.6	29
36	A vascular biology network model focused on inflammatory processes to investigate atherogenesis and plaque instability. Journal of Translational Medicine, 2014, 12, 185.	4.4	26

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37	On Crowd-verification of Biological Networks. Bioinformatics and Biology Insights, 2013, 7, BBI.S12932.	2.0	25
38	Comprehensive systems biology analysis of a 7-month cigarette smoke inhalation study in C57BL/6 mice. Scientific Data, 2016, 3, 150077.	5.3	25
39	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
40	Enhancement of COPD biological networks using a web-based collaboration interface. F1000Research, 2015, 4, 32.	1.6	22
41	SETD7 Regulates the Differentiation of Human Embryonic Stem Cells. PLoS ONE, 2016, 11, e0149502.	2.5	18
42	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
43	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
44	Systems Biology Research into Cardiovascular Disease: Contributions of Lipidomics-based Approaches to Biomarker Discovery. Current Drug Discovery Technologies, 2015, 12, 129-154.	1.2	15
45	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
46	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
47	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
48	Rem2 GTPase controls proliferation and apoptosis of neurons during embryo development. Cell Cycle, 2010, 9, 3414-3422.	2.6	11
49	Community-Reviewed Biological Network Models for Toxicology and Drug Discovery Applications. Gene Regulation and Systems Biology, 2016, 10, GRSB.S39076.	2.3	10
50	Crowdsourcing and curation: perspectives from biology and natural language processing. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw115.	3.0	10
51	Supporting evidence-based analysis for modified risk tobacco products through a toxicology data-sharing infrastructure. F1000Research, 2017, 6, 12.	1.6	10
52	Embracing Transparency Through Data Sharing. International Journal of Toxicology, 2018, 37, 466-471.	1.2	9
53	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
54	Classification of lung adenocarcinoma and squamous cell carcinoma samples based on their gene expression profile in the sbv IMPROVER Diagnostic Signature Challenge. Systems Biomedicine (Austin,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.7	8

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55	Causal Biological Network Database: A Comprehensive Platform of Causal Biological Network Models Focused on the Pulmonary and Vascular Systems. Methods in Pharmacology and Toxicology, 2015, , 65-93.	0.2	8
56	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
57	Supporting evidence-based analysis for modified risk tobacco products through a toxicology data-sharing infrastructure. F1000Research, 2017, 6, 12.	1.6	7
58	sbv IMPROVER Diagnostic Signature Challenge. Systems Biomedicine (Austin, Tex), 2013, 1, 196-207.	0.7	6
59	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
60	Reputation-based collaborative network biology. Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing, 2015, , 270-81.	0.7	4
61	REPUTATION-BASED COLLABORATIVE NETWORK BIOLOGY. , 2014, , .		3
62	Applying Systems Toxicology Methods to Drug Safety. , 2021, , 330-341.		1
63	Smoking-Related Disease Risk Reduction Potential of ENDPs. , 2021, , 461-500.		1
64	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
65	A Systems-Based Approach to Toxicity Testing. , 2021, , 189-206.		0
66	Scientific Basis for Assessment of Electronic Nicotine Delivery Products. , 2021, , 23-40.		0
67	Assessment of ENDPs in Animal Models of Disease. , 2021, , 319-365.		0
68	Toxicological Assessment of ENDPs InÂVivo. , 2021, , 305-317.		0
69	Systems for Generation of ENDP Aerosols and Their Administration to InÂVitro and InÂVivo Experimental Models. , 2021, , 235-255.		0
70	A Systems Toxicology Approach to Investigating the Cardiovascular Effects of Cigarette Smoke and Environmental Pollutants in ApoE-Deficient Mice. Methods in Pharmacology and Toxicology, 2015, , 345-370.	0.2	0