

# Stéphanie Bouc

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

5,896  
citations

136740

32  
h-index

123241

61  
g-index

73  
all docs

73  
docs citations

73  
times ranked

9321  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient and rapid generation of induced pluripotent stem cells from human keratinocytes. <i>Nature Biotechnology</i> , 2008, 26, 1276-1284.	9.4	1,275
2	Dedifferentiation, transdifferentiation and reprogramming: three routes to regeneration. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 79-89.	16.1	567
3	Recapitulation of premature ageing with iPSCs from Hutchinson's "Gilford progeria syndrome. <i>Nature</i> , 2011, 472, 221-225.	13.7	510
4	Methods for making induced pluripotent stem cells: reprogramming à la carte. <i>Nature Reviews Genetics</i> , 2011, 12, 231-242.	7.7	415
5	Generation of Induced Pluripotent Stem Cells from Human Cord Blood Using OCT4 and SOX2. <i>Cell Stem Cell</i> , 2009, 5, 353-357.	5.2	392
6	LSD1 regulates the balance between self-renewal and differentiation in human embryonic stem cells. <i>Nature Cell Biology</i> , 2011, 13, 652-659.	4.6	281
7	Waves of early transcriptional activation and pluripotency program initiation during human preimplantation development. <i>Development (Cambridge)</i> , 2011, 138, 3699-3709.	1.2	237
8	The Apoe <sup>0/0</sup> mouse model: a suitable model to study cardiovascular and respiratory diseases in the context of cigarette smoke exposure and harm reduction. <i>Journal of Translational Medicine</i> , 2016, 14, 146.	1.8	137
9	Alternative splicing and evolution. <i>BioEssays</i> , 2003, 25, 1031-1034.	1.2	119
10	Strengths and limitations of microarray-based phenotype prediction: lessons learned from the IMPROVER Diagnostic Signature Challenge. <i>Bioinformatics</i> , 2013, 29, 2892-2899.	1.8	108
11	Direct membrane protein-DNA interactions required early in nuclear envelope assembly. <i>Journal of Cell Biology</i> , 2006, 173, 469-476.	2.3	102
12	Epigenetic Mechanisms that Regulate Cell Identity. <i>Cell Stem Cell</i> , 2010, 7, 565-570.	5.2	98
13	Causal biological network database: a comprehensive platform of causal biological network models focused on the pulmonary and vascular systems. <i>Database: the Journal of Biological Databases and Curation</i> , 2015, 2015, bav030.	1.4	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. <i>Food and Chemical Toxicology</i> , 2015, 80, 328-345.	1.8	88
15	ASTD: The Alternative Splicing and Transcript Diversity database. <i>Genomics</i> , 2009, 93, 213-220.	1.3	87
16	An 8-Month Systems Toxicology Inhalation/Cessation Study in Apoe <sup>0/0</sup> Mice to Investigate Cardiovascular and Respiratory Exposure Effects of a Candidate Modified Risk Tobacco Product, THS 2.2, Compared With Conventional Cigarettes. <i>Toxicological Sciences</i> , 2016, 149, 411-432.	1.4	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. <i>European Journal of Human Genetics</i> , 2008, 16, 62-72.	1.4	79
18	Macrohistone Variants Preserve Cell Identity by Preventing the Gain of H3K4me2 during Reprogramming to Pluripotency. <i>Cell Reports</i> , 2013, 3, 1005-1011.	2.9	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. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 81, S59-S81.	1.3	70
20	Identification of tightly regulated groups of genes during <i>Drosophila melanogaster</i> embryogenesis. <i>Molecular Systems Biology</i> , 2007, 3, 72.	3.2	67
21	Interrogating the microbiome: experimental and computational considerations in support of study reproducibility. <i>Drug Discovery Today</i> , 2018, 23, 1644-1657.	3.2	63
22	Similar gene expression profiles do not imply similar tissue functions. <i>Trends in Genetics</i> , 2006, 22, 132-138.	2.9	59
23	Transcriptomics approach to investigate zebrafish heart regeneration. <i>Journal of Cardiovascular Medicine</i> , 2010, 11, 369-380.	0.6	54
24	Modulation of atherogenic lipidome by cigarette smoke in apolipoprotein E-deficient mice. <i>Atherosclerosis</i> , 2012, 225, 328-334.	0.4	50
25	Effects of Cigarette Smoke, Cessation, and Switching to Two Heat-Not-Burn Tobacco Products on Lung Lipid Metabolism in <i>C57BL/6</i> and <i>ApoE</i> Mice—An Integrative Systems Toxicology Analysis. <i>Toxicological Sciences</i> , 2016, 149, 441-457.	1.4	49
26	Analysis of Human and Mouse Reprogramming of Somatic Cells to Induced Pluripotent Stem Cells. What Is in the Plate?. <i>PLoS ONE</i> , 2010, 5, e12664.	1.1	47
27	Cigarette smoke induces molecular responses in respiratory tissues of <i>ApoE</i> mice that are progressively deactivated upon cessation. <i>Toxicology</i> , 2013, 314, 112-124.	2.0	47
28	Cigarette-smoke-induced atherogenic lipid profiles in plasma and vascular tissue of apolipoprotein E-deficient mice are attenuated by smoking cessation. <i>Atherosclerosis</i> , 2013, 229, 86-93.	0.4	47
29	The species translation challenge—A systems biology perspective on human and rat bronchial epithelial cells. <i>Scientific Data</i> , 2014, 1, 140009.	2.4	46
30	Recent amplification and impact of MITEs on the genome of grapevine ( <i>Vitis vinifera</i> L.). <i>Genome Biology and Evolution</i> , 2009, 1, 75-84.	1.1	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. <i>Inhalation Toxicology</i> , 2015, 27, 405-431.	0.8	37
32	Exploring the microbiome in health and disease. <i>Toxicology Research and Application</i> , 2017, 1, 239784731774188.	0.7	36
33	Alterations in Serum Polyunsaturated Fatty Acids and Eicosanoids in Patients with Mild to Moderate Chronic Obstructive Pulmonary Disease (COPD). <i>International Journal of Molecular Sciences</i> , 2016, 17, 1583.	1.8	34
34	Extraction of Transcript Diversity from Scientific Literature. <i>PLoS Computational Biology</i> , 2005, 1, e10.	1.5	31
35	Enhancement of COPD biological networks using a web-based collaboration interface. <i>F1000Research</i> , 2015, 4, 32.	0.8	29
36	A vascular biology network model focused on inflammatory processes to investigate atherogenesis and plaque instability. <i>Journal of Translational Medicine</i> , 2014, 12, 185.	1.8	26

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37	On Crowd-verification of Biological Networks. <i>Bioinformatics and Biology Insights</i> , 2013, 7, BBI.S12932.	1.0	25
38	Comprehensive systems biology analysis of a 7-month cigarette smoke inhalation study in C57BL/6 mice. <i>Scientific Data</i> , 2016, 3, 150077.	2.4	25
39	Effects of cigarette smoke, cessation and switching to a candidate modified risk tobacco product on the liver in <i>Apoe</i> mice a systems toxicology analysis. <i>Inhalation Toxicology</i> , 2016, 28, 226-240.	0.8	22
40	Enhancement of COPD biological networks using a web-based collaboration interface. <i>F1000Research</i> , 2015, 4, 32.	0.8	22
41	SETD7 Regulates the Differentiation of Human Embryonic Stem Cells. <i>PLoS ONE</i> , 2016, 11, e0149502.	1.1	18
42	Transcriptional profiling and targeted proteomics reveals common molecular changes associated with cigarette smoke-induced lung emphysema development in five susceptible mouse strains. <i>Inflammation Research</i> , 2015, 64, 471-486.	1.6	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. <i>Chemical Research in Toxicology</i> , 2017, 30, 934-945.	1.7	15
44	Systems Biology Research into Cardiovascular Disease: Contributions of Lipidomics-based Approaches to Biomarker Discovery. <i>Current Drug Discovery Technologies</i> , 2015, 12, 129-154.	0.6	15
45	Aerosol from Tobacco Heating System 2.2 has reduced impact on mouse heart gene expression compared with cigarette smoke. <i>Food and Chemical Toxicology</i> , 2017, 101, 157-167.	1.8	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. <i>Computational Toxicology</i> , 2018, 5, 38-51.	1.8	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. <i>Toxicological Sciences</i> , 2020, 178, 44-70.	1.4	12
48	Rem2 GTPase controls proliferation and apoptosis of neurons during embryo development. <i>Cell Cycle</i> , 2010, 9, 3414-3422.	1.3	11
49	Community-Reviewed Biological Network Models for Toxicology and Drug Discovery Applications. <i>Gene Regulation and Systems Biology</i> , 2016, 10, GRSB.S39076.	2.3	10
50	Crowdsourcing and curation: perspectives from biology and natural language processing. <i>Database: the Journal of Biological Databases and Curation</i> , 2016, 2016, baw115.	1.4	10
51	Supporting evidence-based analysis for modified risk tobacco products through a toxicology data-sharing infrastructure. <i>F1000Research</i> , 2017, 6, 12.	0.8	10
52	Embracing Transparency Through Data Sharing. <i>International Journal of Toxicology</i> , 2018, 37, 466-471.	0.6	9
53	Toxicological assessment of Tobacco Heating System 2.2: Findings from an independent peer review. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 104, 115-127.	1.3	9
54	Classification of lung adenocarcinoma and squamous cell carcinoma samples based on their gene expression profile in the sbv IMPROVER Diagnostic Signature Challenge. <i>Systems Biomedicine (Austin)</i> , 2017, 10, 100-107.	0.7	9

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55	Causal Biological Network Database: A Comprehensive Platform of Causal Biological Network Models Focused on the Pulmonary and Vascular Systems. <i>Methods in Pharmacology and Toxicology</i> , 2015, , 65-93.	0.1	8
56	Comparing the preclinical risk profile of inhalable candidate and potential candidate modified risk tobacco products: A bridging use case. <i>Toxicology Reports</i> , 2020, 7, 1187-1206.	1.6	8
57	Supporting evidence-based analysis for modified risk tobacco products through a toxicology data-sharing infrastructure. <i>F1000Research</i> , 2017, 6, 12.	0.8	7
58	sbv IMPROVER Diagnostic Signature Challenge. <i>Systems Biomedicine (Austin, Tex )</i> , 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. <i>Toxicology Research and Application</i> , 2020, 4, 239784731989786.	0.7	5
60	Reputation-based collaborative network biology. <i>Pacific Symposium on Biocomputing Pacific Symposium on Biocomputing</i> , 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. <i>Toxicology Research and Application</i> , 2020, 4, 239784732097975.	0.7	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 In Vivo. , 2021, , 305-317.		0
69	Systems for Generation of ENDP Aerosols and Their Administration to In Vitro and In Vivo 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. <i>Methods in Pharmacology and Toxicology</i> , 2015, , 345-370.	0.1	0