

Simon Rousseau

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81
papers

6,005
citations

31
h-index

77
g-index

83
ext. papers

6,966
ext. citations

5.7
avg. IF

5.61
L-index

#	Paper	IF	Citations
81	p38 MAP-kinases pathway regulation, function and role in human diseases. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007 , 1773, 1358-75	4.9	904
80	Targeting potential drivers of COVID-19: Neutrophil extracellular traps. <i>Journal of Experimental Medicine</i> , 2020 , 217,	16.6	795
79	p38 MAP kinase activation by vascular endothelial growth factor mediates actin reorganization and cell migration in human endothelial cells. <i>Oncogene</i> , 1997 , 15, 2169-77	9.2	711
78	Embryonic death of Mek1-deficient mice reveals a role for this kinase in angiogenesis in the labyrinthine region of the placenta. <i>Current Biology</i> , 1999 , 9, 369-72	6.3	290
77	SAPK2/p38-dependent F-actin reorganization regulates early membrane blebbing during stress-induced apoptosis. <i>Journal of Cell Biology</i> , 1998 , 143, 1361-73	7.3	257
76	Vascular endothelial growth factor (VEGF)-driven actin-based motility is mediated by VEGFR2 and requires concerted activation of stress-activated protein kinase 2 (SAPK2/p38) and geldanamycin-sensitive phosphorylation of focal adhesion kinase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 10661-72	5.4	241
75	LPS-induced TLR4 signaling in human colorectal cancer cells increases beta1 integrin-mediated cell adhesion and liver metastasis. <i>Cancer Research</i> , 2011 , 71, 1989-98	10.1	192
74	IL-17 promotes p38 MAPK-dependent endothelial activation enhancing neutrophil recruitment to sites of inflammation. <i>Journal of Immunology</i> , 2010 , 184, 4531-7	5.3	190
73	The Mnks are novel components in the control of TNF alpha biosynthesis and phosphorylate and regulate hnRNP A1. <i>Immunity</i> , 2005 , 23, 177-89	32.3	159
72	Inhibition of SAPK2a/p38 prevents hnRNP A0 phosphorylation by MAPKAP-K2 and its interaction with cytokine mRNAs. <i>EMBO Journal</i> , 2002 , 21, 6505-14	13	159
71	Neutrophil extracellular traps sequester circulating tumor cells via α -integrin mediated interactions. <i>International Journal of Cancer</i> , 2017 , 140, 2321-2330	7.5	131
70	TPL2-mediated activation of ERK1 and ERK2 regulates the processing of pre-TNF alpha in LPS-stimulated macrophages. <i>Journal of Cell Science</i> , 2008 , 121, 149-54	5.3	107
69	CXCL12 and C5a trigger cell migration via a PAK1/2-p38alpha MAPK-MAPKAP-K2-HSP27 pathway. <i>Cellular Signalling</i> , 2006 , 18, 1897-905	4.9	107
68	Integrating the VEGF signals leading to actin-based motility in vascular endothelial cells. <i>Trends in Cardiovascular Medicine</i> , 2000 , 10, 321-7	6.9	106
67	Extracellular signal-regulated kinase mediates phosphorylation of tropomyosin-1 to promote cytoskeleton remodeling in response to oxidative stress: impact on membrane blebbing. <i>Molecular Biology of the Cell</i> , 2003 , 14, 1418-32	3.5	101
66	Clinical utilization of genomics data produced by the international Pseudomonas aeruginosa consortium. <i>Frontiers in Microbiology</i> , 2015 , 6, 1036	5.7	94
65	Primary tumors induce neutrophil extracellular traps with targetable metastasis promoting effects. <i>JCI Insight</i> , 2019 , 5,	9.9	76

64	Distinct intracellular signaling pathways control the synthesis of IL-8 and RANTES in TLR1/TLR2, TLR3 or NOD1 activated human airway epithelial cells. <i>Cellular Signalling</i> , 2009 , 21, 448-56	4.9	74
63	NLRX1 prevents mitochondrial induced apoptosis and enhances macrophage antiviral immunity by interacting with influenza virus PB1-F2 protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E2110-9	11.5	70
62	Differential roles of CXCL2 and CXCL3 and their receptors in regulating normal and asthmatic airway smooth muscle cell migration. <i>Journal of Immunology</i> , 2013 , 191, 2731-41	5.3	70
61	Cystic fibrosis-adapted quorum sensing mutants cause hyperinflammatory responses. <i>Science Advances</i> , 2015 , 1,	14.3	69
60	TH17 cytokines induce human airway smooth muscle cell migration. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 127, 1046-53.e1-2	11.5	67
59	Loss of cystic fibrosis transmembrane conductance regulator function enhances activation of p38 and ERK MAPKs, increasing interleukin-6 synthesis in airway epithelial cells exposed to <i>Pseudomonas aeruginosa</i> . <i>Journal of Biological Chemistry</i> , 2010 , 285, 22299-307	5.4	62
58	Clinical outcomes associated with <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> airway infections in adult cystic fibrosis patients. <i>BMC Pulmonary Medicine</i> , 2015 , 15, 67	3.5	45
57	IL-1beta-stimulated activation of ERK1/2 and p38alpha MAPK mediates the transcriptional up-regulation of IL-6, IL-8 and GRO-alpha in HeLa cells. <i>Cellular Signalling</i> , 2008 , 20, 375-80	4.9	44
56	The NF- κ B family member RelB regulates microRNA miR-146a to suppress cigarette smoke-induced COX-2 protein expression in lung fibroblasts. <i>Toxicology Letters</i> , 2014 , 226, 107-16	4.4	43
55	Candidate markers associated with the probability of future pulmonary exacerbations in cystic fibrosis patients. <i>PLoS ONE</i> , 2014 , 9, e88567	3.7	38
54	Neutrophils mediate airway hyperresponsiveness after chlorine-induced airway injury in the mouse. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015 , 52, 513-22	5.7	37
53	Regulation of vascular endothelial growth factor-induced endothelial cell migration by LIM kinase 1-mediated phosphorylation of annexin 1. <i>Journal of Biological Chemistry</i> , 2010 , 285, 8013-21	5.4	35
52	Gram negative bacteria increase non-small cell lung cancer metastasis via Toll-like receptor 4 activation and mitogen-activated protein kinase phosphorylation. <i>International Journal of Cancer</i> , 2015 , 136, 1341-50	7.5	34
51	Deleterious impact of <i>Pseudomonas aeruginosa</i> on cystic fibrosis transmembrane conductance regulator function and rescue in airway epithelial cells. <i>European Respiratory Journal</i> , 2015 , 45, 1590-602 ^{13,6}		31
50	Aryl hydrocarbon receptor-dependent retention of nuclear HuR suppresses cigarette smoke-induced cyclooxygenase-2 expression independent of DNA-binding. <i>PLoS ONE</i> , 2013 , 8, e74953	3.7	28
49	The aryl hydrocarbon receptor suppresses cigarette-smoke-induced oxidative stress in association with dioxin response element (DRE)-independent regulation of sulfiredoxin 1. <i>Free Radical Biology and Medicine</i> , 2015 , 89, 342-57	7.8	27
48	Quorum-sensing inhibition abrogates the deleterious impact of <i>Pseudomonas aeruginosa</i> on airway epithelial repair. <i>FASEB Journal</i> , 2016 , 30, 3011-25	0.9	27
47	p38MAPK/MK2-mediated phosphorylation of RBM7 regulates the human nuclear exosome targeting complex. <i>Rna</i> , 2015 , 21, 262-78	5.8	26

46	Lipopolysaccharide-induced toll-like receptor 4 signaling enhances the migratory ability of human esophageal cancer cells in a selectin-dependent manner. <i>Surgery</i> , 2013 , 154, 69-77	3.6	26
45	Phosphorylation of the ARE-binding protein DAZAP1 by ERK2 induces its dissociation from DAZ. <i>Biochemical Journal</i> , 2006 , 399, 265-73	3.8	26
44	Nogo-B is a new physiological substrate for MAPKAP-K2. <i>Biochemical Journal</i> , 2005 , 391, 433-40	3.8	26
43	Vx-809/Vx-770 treatment reduces inflammatory response to <i>Pseudomonas aeruginosa</i> in primary differentiated cystic fibrosis bronchial epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018 , 314, L635-L641	5.8	25
42	The level of p38 mitogen-activated protein kinase activation in airway epithelial cells determines the onset of innate immune responses to planktonic and biofilm <i>Pseudomonas aeruginosa</i> . <i>Journal of Infectious Diseases</i> , 2013 , 207, 1544-55	7	23
41	IL-33 is expressed in epithelia from patients with cystic fibrosis and potentiates neutrophil recruitment. <i>Journal of Allergy and Clinical Immunology</i> , 2013 , 131, 913-6	11.5	22
40	The protein kinase TPL2 is essential for ERK1/ERK2 activation and cytokine gene expression in airway epithelial cells exposed to pathogen-associated molecular patterns (PAMPs). <i>PLoS ONE</i> , 2013 , 8, e59116	3.7	22
39	Neutrophil Extracellular Trap-Associated CEACAM1 as a Putative Therapeutic Target to Prevent Metastatic Progression of Colon Carcinoma. <i>Journal of Immunology</i> , 2020 , 204, 2285-2294	5.3	22
38	<i>Staphylococcus aureus</i> Inhibits IL-8 Responses Induced by <i>Pseudomonas aeruginosa</i> in Airway Epithelial Cells. <i>PLoS ONE</i> , 2015 , 10, e0137753	3.7	21
37	IL-17 primes airway epithelial cells lacking functional Cystic Fibrosis Transmembrane conductance Regulator (CFTR) to increase NOD1 responses. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 391, 505-9	3.4	19
36	Steroid-insensitive ERK1/2 activity drives CXCL8 synthesis and neutrophilia by airway smooth muscle. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011 , 45, 984-90	5.7	19
35	<i>Staphylococcus aureus</i> impairs sinonasal epithelial repair: Effects in patients with chronic rhinosinusitis with nasal polyps and control subjects. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 591-603.e3	11.5	18
34	DAZAP1 interacts via its RNA-recognition motifs with the C-termini of other RNA-binding proteins. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 380, 705-9	3.4	17
33	Role of DNA methylation in expression control of the IKZF3-GSDMA region in human epithelial cells. <i>PLoS ONE</i> , 2017 , 12, e0172707	3.7	17
32	Activation of the pattern recognition receptor NOD1 augments colon cancer metastasis. <i>Protein and Cell</i> , 2020 , 11, 187-201	7.2	16
31	Mucoid <i>Pseudomonas aeruginosa</i> caused by muCA mutations result in activation of TLR2 in addition to TLR5 in airway epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 2012 , 428, 150-4	3.4	16
30	<i>P. aeruginosa</i> drives CXCL8 synthesis via redundant toll-like receptors and NADPH oxidase in CFTR ^{B508} airway epithelial cells. <i>Journal of Cystic Fibrosis</i> , 2011 , 10, 107-13	4.1	16
29	Gram-positive pneumonia augments non-small cell lung cancer metastasis via host toll-like receptor 2 activation. <i>International Journal of Cancer</i> , 2017 , 141, 561-571	7.5	14

28	p38gamma regulates interaction of nuclear PSF and RNA with the tumour-suppressor hDlg in response to osmotic shock. <i>Journal of Cell Science</i> , 2010 , 123, 2596-604	5.3	14
27	Rhinovirus Load Is High despite Preserved Interferon-Response in Cystic Fibrosis Bronchial Epithelial Cells. <i>PLoS ONE</i> , 2015 , 10, e0143129	3.7	14
26	p38 alpha MAP kinase. <i>The AFCS-nature Molecule Pages</i> ,		12
25	Gain-of-Function Mutations in the Toll-Like Receptor Pathway: TPL2-Mediated ERK1/ERK2 MAPK Activation, a Path to Tumorigenesis in Lymphoid Neoplasms?. <i>Frontiers in Cell and Developmental Biology</i> , 2016 , 4, 50	5.7	12
24	CXCL1 inhibits airway smooth muscle cell migration through the decoy receptor Duffy antigen receptor for chemokines. <i>Journal of Immunology</i> , 2014 , 193, 1416-26	5.3	11
23	Azithromycin Downregulates Gene Expression of IL-1 and Pathways Involving TMPRSS2 and TMPRSS11D Required by SARS-CoV-2. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020 , 63, 707-709	5.7	11
22	C-Reactive Protein in Stable Cystic Fibrosis: An Additional Indicator of Clinical Disease Activity and Risk of Future Pulmonary Exacerbations. <i>Journal of Pulmonary & Respiratory Medicine</i> , 2016 , 6, 1000375	5.0	11
21	Epithelial Anion Transport as Modulator of Chemokine Signaling. <i>Mediators of Inflammation</i> , 2016 , 2016, 7596531	4.3	10
20	TPL2 signalling: from Toll-like receptors-mediated ERK1/ERK2 activation to Cystic Fibrosis lung disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 52, 146-51	5.6	9
19	Exposure of airway epithelial cells to Pseudomonas aeruginosa biofilm-derived quorum sensing molecules decrease the activity of the anti-oxidant response element bound by NRF2. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 483, 829-833	3.4	8
18	Steroids and extracellular signal-regulated kinase 1/2 activity suppress activating transcription factor 3 expression in patients with severe asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2011 , 127, 1632-4	11.5	8
17	Abstract 1508: Primary tumors induce neutrophil extracellular traps with targetable metastasis promoting effects 2019 ,		8
16	Differences in RANTES and IL-6 levels among chronic rhinosinusitis patients with predominant gram-negative and gram-positive infection. <i>Journal of Otolaryngology - Head and Neck Surgery</i> , 2017 , 46, 7	5.4	7
15	The protein kinases TPL2 and EGFR contribute to ERK1/ERK2 hyper-activation in CFTR ^{B508} -expressing airway epithelial cells exposed to Pseudomonas aeruginosa. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 441, 689-692	3.4	7
14	A network-informed analysis of SARS-CoV-2 and hemophagocytic lymphohistiocytosis genes' interactions points to Neutrophil extracellular traps as mediators of thrombosis in COVID-19. <i>PLoS Computational Biology</i> , 2021 , 17, e1008810	5	7
13	The TAK1-MKK1/TPL2-MKK1/MKK2 Signaling Cascade Regulates IL-33 Expression in Cystic Fibrosis Airway Epithelial Cells Following Infection by Pseudomonas aeruginosa. <i>Frontiers in Cell and Developmental Biology</i> , 2015 , 3, 87	5.7	7
12	Gram-Negative Pneumonia Augments Non-Small Cell Lung Cancer Metastasis through Host Toll-like Receptor 4 Activation. <i>Journal of Thoracic Oncology</i> , 2019 , 14, 2097-2108	8.9	6
11	Differential Contribution of the Aryl-Hydrocarbon Receptor and Toll-Like Receptor Pathways to IL-8 Expression in Normal and Cystic Fibrosis Airway Epithelial Cells Exposed to. <i>Frontiers in Cell and Developmental Biology</i> , 2016 , 4, 148	5.7	6

10	Mass spectrometry imaging in zebrafish larvae for assessing drug safety and metabolism. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 5135-5146	4.4	5
9	Modeling consent in the time of COVID-19. <i>Journal of Law and the Biosciences</i> , 2020 , 7, lsa020	4.1	4
8	The Biobanque québécoise de la COVID-19 (BQC19)-A cohort to prospectively study the clinical and biological determinants of COVID-19 clinical trajectories. <i>PLoS ONE</i> , 2021 , 16, e0245031	3.7	4
7	Corticosteroid-resistant inflammatory signalling in -infected bronchial cells. <i>ERJ Open Research</i> , 2017 , 3,	3.5	3
6	A network-informed analysis of SARS-CoV-2 and hemophagocytic lymphohistiocytosis genes interactions points to Neutrophil Extracellular Traps as mediators of thrombosis in COVID-19		3
5	LasR-deficient <i>Pseudomonas aeruginosa</i> variants increase airway epithelial MICAM-1 expression and enhance neutrophilic lung inflammation. <i>PLoS Pathogens</i> , 2021 , 17, e1009375	7.6	3
4	Decreasing SMPD1 activity in BEAS-2B bronchial airway epithelial cells results in increased NRF2 activity, cytokine synthesis and neutrophil recruitment. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 482, 645-650	3.4	2
3	Identification of COVID-19-relevant transcriptional regulatory networks and associated kinases as potential therapeutic targets		1
2	Inhibition of LPS-mediated TLR4 activation abrogates gastric adenocarcinoma-associated peritoneal metastasis. <i>Clinical and Experimental Metastasis</i> , 2021 , 1	4.7	0
1	Identification of transcriptional regulatory network associated with response of host epithelial cells to SARS-CoV-2.. <i>Scientific Reports</i> , 2021 , 11, 23928	4.9	