

# Simon Rousseau

## List of Publications by Year in descending order

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80  
papers

7,697  
citations

117625

34  
h-index

66911

78  
g-index

84  
all docs

84  
docs citations

84  
times ranked

13837  
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeting potential drivers of COVID-19: Neutrophil extracellular traps. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	1,193
2	p38 MAP-Kinases pathway regulation, function and role in human diseases. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2007, 1773, 1358-1375.	4.1	1,113
3	p38 MAP kinase activation by vascular endothelial growth factor mediates actin reorganization and cell migration in human endothelial cells. <i>Oncogene</i> , 1997, 15, 2169-2177.	5.9	775
4	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, 369-376.	3.9	313
5	SAPK2/p38-dependent F-Actin Reorganization Regulates Early Membrane Blebbing during Stress-induced Apoptosis. <i>Journal of Cell Biology</i> , 1998, 143, 1361-1373.	5.2	275
6	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, 10661-10672.	3.4	273
7	LPS-Induced TLR4 Signaling in Human Colorectal Cancer Cells Increases $\beta$ 1 Integrin-Mediated Cell Adhesion and Liver Metastasis. <i>Cancer Research</i> , 2011, 71, 1989-1998.	0.9	235
8	IL-17 Promotes p38 MAPK-Dependent Endothelial Activation Enhancing Neutrophil Recruitment to Sites of Inflammation. <i>Journal of Immunology</i> , 2010, 184, 4531-4537.	0.8	229
9	Neutrophil extracellular traps sequester circulating tumor cells via $\beta$ 1-integrin mediated interactions. <i>International Journal of Cancer</i> , 2017, 140, 2321-2330.	5.1	222
10	Inhibition of SAPK2a/p38 prevents hnRNP A0 phosphorylation by MAPKAP-K2 and its interaction with cytokine mRNAs. <i>EMBO Journal</i> , 2002, 21, 6505-6514.	7.8	191
11	The Mnk3 Are Novel Components in the Control of TNF $\alpha$ Biosynthesis and Phosphorylate and Regulate hnRNP A1. <i>Immunity</i> , 2005, 23, 177-189.	14.3	188
12	Primary tumors induce neutrophil extracellular traps with targetable metastasis-promoting effects. <i>JCI Insight</i> , 2019, 4, .	5.0	155
13	Clinical utilization of genomics data produced by the international <i>Pseudomonas aeruginosa</i> consortium. <i>Frontiers in Microbiology</i> , 2015, 6, 1036.	3.5	144
14	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, 149-154.	2.0	124
15	Integrating the VEGF Signals Leading to Actin-Based Motility in Vascular Endothelial Cells. <i>Trends in Cardiovascular Medicine</i> , 2000, 10, 321-327.	4.9	116
16	CXCL12 and C5a trigger cell migration via a PAK1/2-p38 $\beta$ -MAPK-MAPKAP-K2-HSP27 pathway. <i>Cellular Signalling</i> , 2006, 18, 1897-1905.	3.6	116
17	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, 2731-2741.	0.8	110
18	Cystic fibrosis-adapted <i>Pseudomonas aeruginosa</i> quorum sensing mutants cause hyperinflammatory responses. <i>Science Advances</i> , 2015, 1, .	10.3	107

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19	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, 1418-1432.	2.1	103
20	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.	7.1	95
21	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, 448-456.	3.6	78
22	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, 22299-22307.	3.4	78
23	TH17 cytokines induce human airway smooth muscle cell migration. <i>Journal of Allergy and Clinical Immunology</i> , 2011, 127, 1046-1053.e2.	2.9	76
24	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.	2.0	69
25	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.	0.8	52
26	IL-1 $\beta$ -stimulated activation of ERK1/2 and p38 MAPK mediates the transcriptional up-regulation of IL-6, IL-8 and GRO- $\alpha$ in HeLa cells. <i>Cellular Signalling</i> , 2008, 20, 375-380.	3.6	49
27	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, 1341-1350.	5.1	48
28	Quorum-sensing inhibition abrogates the deleterious impact of <i>Pseudomonas aeruginosa</i> on airway epithelial repair. <i>FASEB Journal</i> , 2016, 30, 3011-3025.	0.5	47
29	Candidate Markers Associated with the Probability of Future Pulmonary Exacerbations in Cystic Fibrosis Patients. <i>PLoS ONE</i> , 2014, 9, e88567.	2.5	46
30	The NF- $\kappa$ 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, 107-116.	0.8	45
31	Neutrophils Mediate Airway Hyperresponsiveness after Chlorine-Induced Airway Injury in the Mouse. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2015, 52, 513-522.	2.9	43
32	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, 1590-1602.	6.7	41
33	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, 342-357.	2.9	41
34	p38 <sup>MAPK</sup> /MK2-mediated phosphorylation of RBM7 regulates the human nuclear exosome targeting complex. <i>Rna</i> , 2015, 21, 262-278.	3.5	40
35	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, 8013-8021.	3.4	36
36	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.	2.9	36

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37	Activation of the pattern recognition receptor NOD1 augments colon cancer metastasis. <i>Protein and Cell</i> , 2020, 11, 187-201.	11.0	35
38	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.	1.9	34
39	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, 913-916.	2.9	33
40	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.	2.5	33
41	Nogo-B is a new physiological substrate for MAPKAP-K2. <i>Biochemical Journal</i> , 2005, 391, 433-440.	3.7	31
42	Role of DNA methylation in expression control of the IKZF3-GSDMA region in human epithelial cells. <i>PLoS ONE</i> , 2017, 12, e0172707.	2.5	31
43	The Biobanque qu'Ã©bÃ©coise de la COVID-19 (BQC19)â€™A cohort to prospectively study the clinical and biological determinants of COVID-19 clinical trajectories. <i>PLoS ONE</i> , 2021, 16, e0245031.	2.5	30
44	Staphylococcus aureus 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.	2.9	29
45	Phosphorylation of the ARE-binding protein DAZAP1 by ERK2 induces its dissociation from DAZ. <i>Biochemical Journal</i> , 2006, 399, 265-273.	3.7	27
46	Staphylococcus aureus Inhibits IL-8 Responses Induced by Pseudomonas aeruginosa in Airway Epithelial Cells. <i>PLoS ONE</i> , 2015, 10, e0137753.	2.5	27
47	The Level of p38Î± Mitogen-Activated Protein Kinase Activation in Airway Epithelial Cells Determines the Onset of Innate Immune Responses to Planktonic and Biofilm Pseudomonas aeruginosa. <i>Journal of Infectious Diseases</i> , 2013, 207, 1544-1555.	4.0	25
48	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.	5.1	24
49	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, 505-509.	2.1	23
50	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.	2.5	23
51	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, 984-990.	2.9	22
52	CXCL1 Inhibits Airway Smooth Muscle Cell Migration through the Decoy Receptor Duffy Antigen Receptor for Chemokines. <i>Journal of Immunology</i> , 2014, 193, 1416-1426.	0.8	22
53	p38Î³ 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, 2596-2604.	2.0	21
54	P. aeruginosa drives CXCL8 synthesis via redundant toll-like receptors and NADPH oxidase in CFTRâ†F508 airway epithelial cells. <i>Journal of Cystic Fibrosis</i> , 2011, 10, 107-113.	0.7	21

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55	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, 705-709.	2.1	20
56	C-Reactive Protein in Stable Cystic Fibrosis: An Additional Indicator of Clinical Disease Activity and Risk of Future Pulmonary Exacerbations. <i>Journal of Pulmonary &amp; Respiratory Medicine</i> , 2016, 6, 1000375.	0.1	19
57	A network-informed analysis of SARS-CoV-2 and hemophagocytic lymphohistiocytosis genes <sup>TM</sup> interactions points to Neutrophil extracellular traps as mediators of thrombosis in COVID-19. <i>PLoS Computational Biology</i> , 2021, 17, e1008810.	3.2	18
58	Rhinovirus Load Is High despite Preserved Interferon- $\gamma$ Response in Cystic Fibrosis Bronchial Epithelial Cells. <i>PLoS ONE</i> , 2015, 10, e0143129.	2.5	18
59	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, 150-154.	2.1	17
60	The TAK1 $\rightarrow$ IKK $\rightarrow$ TPL2 $\rightarrow$ MKK1/MKK2 Signaling Cascade Regulates IL-33 Expression in Cystic Fibrosis Airway Epithelial Cells Following Infection by <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2015, 3, 87.	3.7	16
61	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.	3.7	16
62	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.	1.1	16
63	Azithromycin Downregulates Gene Expression of IL-1 $\beta$ 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.	2.9	16
64	Mass spectrometry imaging in zebrafish larvae for assessing drug safety and metabolism. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5135-5146.	3.7	16
65	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.	4.7	15
66	p38 alpha MAP kinase. <i>The AFCS-nature Molecule Pages</i> , 0, , .	0.2	13
67	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, 146-151.	2.8	12
68	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, 1632-1634.	2.9	11
69	The protein kinases TPL2 and EGFR contribute to ERK1/ERK2 hyper-activation in CFTR <sup>WT</sup> F508-expressing airway epithelial cells exposed to <i>Pseudomonas aeruginosa</i> . <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 689-692.	2.1	10
70	Epithelial Anion Transport as Modulator of Chemokine Signaling. <i>Mediators of Inflammation</i> , 2016, 2016, 1-20.	3.0	10
71	Abstract 1508: Primary tumors induce neutrophil extracellular traps with targetable metastasis promoting effects. <i>Cancer Research</i> , 2019, 79, 1508-1508.	0.9	10
72	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>Pseudomonas aeruginosa</i> . <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 148.	3.7	9

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73	Exposure of airway epithelial cells to <i>Pseudomonas aeruginosa</i> 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.	2.1	9
74	Modeling consent in the time of COVID-19. <i>Journal of Law and the Biosciences</i> , 2020, 7, Isaa020.	1.6	9
75	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.	1.9	8
76	Corticosteroid-resistant inflammatory signalling in <i>Pseudomonas</i> -infected bronchial cells. <i>ERJ Open Research</i> , 2017, 3, 00144-2016.	2.6	3
77	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.	2.1	3
78	Inhibition of LPS-mediated TLR4 activation abrogates gastric adenocarcinoma-associated peritoneal metastasis. <i>Clinical and Experimental Metastasis</i> , 2022, 39, 323-333.	3.3	3
79	Identification of transcriptional regulatory network associated with response of host epithelial cells to SARS-CoV-2. <i>Scientific Reports</i> , 2021, 11, 23928.	3.3	2
80	The Quebec Respiratory Health Network Biobank. <i>Open Journal of Bioresources</i> , 2018, 5, .	1.5	0