

# Simon Rousseau

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6593927/simon-rousseau-publications-by-year.pdf>

**Version:** 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Inhibition of LPS-mediated TLR4 activation abrogates gastric adenocarcinoma-associated peritoneal metastasis. <i>Clinical and Experimental Metastasis</i> , <b>2021</b> , 1	4.7	0
80	LasR-deficient <i>Pseudomonas aeruginosa</i> variants increase airway epithelial MICAM-1 expression and enhance neutrophilic lung inflammation. <i>PLoS Pathogens</i> , <b>2021</b> , 17, e1009375	7.6	3
79	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> , <b>2021</b> , 17, e1008810	5	7
78	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> , <b>2021</b> , 16, e0245031	3.7	4
77	Mass spectrometry imaging in zebrafish larvae for assessing drug safety and metabolism. <i>Analytical and Bioanalytical Chemistry</i> , <b>2021</b> , 413, 5135-5146	4.4	5
76	Identification of transcriptional regulatory network associated with response of host epithelial cells to SARS-CoV-2.. <i>Scientific Reports</i> , <b>2021</b> , 11, 23928	4.9	
75	Activation of the pattern recognition receptor NOD1 augments colon cancer metastasis. <i>Protein and Cell</i> , <b>2020</b> , 11, 187-201	7.2	16
74	Targeting potential drivers of COVID-19: Neutrophil extracellular traps. <i>Journal of Experimental Medicine</i> , <b>2020</b> , 217,	16.6	795
73	Modeling consent in the time of COVID-19. <i>Journal of Law and the Biosciences</i> , <b>2020</b> , 7, lsa020	4.1	4
72	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> , <b>2020</b> , 63, 707-709	5.7	11
71	Neutrophil Extracellular Trap-Associated CEACAM1 as a Putative Therapeutic Target to Prevent Metastatic Progression of Colon Carcinoma. <i>Journal of Immunology</i> , <b>2020</b> , 204, 2285-2294	5.3	22
70	<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> , <b>2019</b> , 143, 591-603.e3	11.5	18
69	Gram-Negative Pneumonia Augments Non-Small Cell Lung Cancer Metastasis through Host Toll-like Receptor 4 Activation. <i>Journal of Thoracic Oncology</i> , <b>2019</b> , 14, 2097-2108	8.9	6
68	Abstract 1508: Primary tumors induce neutrophil extracellular traps with targetable metastasis promoting effects <b>2019</b> ,		8
67	Primary tumors induce neutrophil extracellular traps with targetable metastasis promoting effects. <i>JCI Insight</i> , <b>2019</b> , 5,	9.9	76
66	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> , <b>2018</b> , 314, L635-L641	5.8	25
65	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> , <b>2017</b> , 483, 829-833	3.4	8

64	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> , <b>2017</b> , 46, 7	5.4	7
63	Neutrophil extracellular traps sequester circulating tumor cells via $\alpha$ -integrin mediated interactions. <i>International Journal of Cancer</i> , <b>2017</b> , 140, 2321-2330	7.5	131
62	Gram-positive pneumonia augments non-small cell lung cancer metastasis via host toll-like receptor 2 activation. <i>International Journal of Cancer</i> , <b>2017</b> , 141, 561-571	7.5	14
61	Corticosteroid-resistant inflammatory signalling in $\alpha$ -infected bronchial cells. <i>ERJ Open Research</i> , <b>2017</b> , 3,	3.5	3
60	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> , <b>2017</b> , 482, 645-650	3.4	2
59	Role of DNA methylation in expression control of the IKZF3-GSDMA region in human epithelial cells. <i>PLoS ONE</i> , <b>2017</b> , 12, e0172707	3.7	17
58	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> , <b>2016</b> , 6, 1000375	0	11
57	Epithelial Anion Transport as Modulator of Chemokine Signaling. <i>Mediators of Inflammation</i> , <b>2016</b> , 2016, 7596531	4.3	10
56	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> , <b>2016</b> , 4, 50	5.7	12
55	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> , <b>2016</b> , 4, 148	5.7	6
54	Quorum-sensing inhibition abrogates the deleterious impact of <i>Pseudomonas aeruginosa</i> on airway epithelial repair. <i>FASEB Journal</i> , <b>2016</b> , 30, 3011-25	0.9	27
53	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> , <b>2015</b> , 89, 342-57	7.8	27
52	Neutrophils mediate airway hyperresponsiveness after chlorine-induced airway injury in the mouse. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2015</b> , 52, 513-22	5.7	37
51	Cystic fibrosis-adapted quorum sensing mutants cause hyperinflammatory responses. <i>Science Advances</i> , <b>2015</b> , 1,	14.3	69
50	p38MAPK/MK2-mediated phosphorylation of RBM7 regulates the human nuclear exosome targeting complex. <i>Rna</i> , <b>2015</b> , 21, 262-78	5.8	26
49	Clinical utilization of genomics data produced by the international <i>Pseudomonas aeruginosa</i> consortium. <i>Frontiers in Microbiology</i> , <b>2015</b> , 6, 1036	5.7	94
48	<i>Staphylococcus aureus</i> Inhibits IL-8 Responses Induced by <i>Pseudomonas aeruginosa</i> in Airway Epithelial Cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0137753	3.7	21
47	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> , <b>2015</b> , 45, 1590-602 <sup>13.6</sup>	13.6	31

46	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> , <b>2015</b> , 136, 1341-50	7.5	34
45	Clinical outcomes associated with Staphylococcus aureus and Pseudomonas aeruginosa airway infections in adult cystic fibrosis patients. <i>BMC Pulmonary Medicine</i> , <b>2015</b> , 15, 67	3.5	45
44	Rhinovirus Load Is High despite Preserved Interferon- $\gamma$ Response in Cystic Fibrosis Bronchial Epithelial Cells. <i>PLoS ONE</i> , <b>2015</b> , 10, e0143129	3.7	14
43	The TAK1-I $\kappa$ B-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> , <b>2015</b> , 3, 87	5.7	7
42	TPL2 signalling: from Toll-like receptors-mediated ERK1/ERK2 activation to Cystic Fibrosis lung disease. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2014</b> , 52, 146-51	5.6	9
41	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> , <b>2014</b> , 226, 107-16	4.4	43
40	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> , <b>2014</b> , 111, E2110-9	11.5	70
39	CXCL1 inhibits airway smooth muscle cell migration through the decoy receptor Duffy antigen receptor for chemokines. <i>Journal of Immunology</i> , <b>2014</b> , 193, 1416-26	5.3	11
38	Candidate markers associated with the probability of future pulmonary exacerbations in cystic fibrosis patients. <i>PLoS ONE</i> , <b>2014</b> , 9, e88567	3.7	38
37	The protein kinases TPL2 and EGFR contribute to ERK1/ERK2 hyper-activation in CFTR $\Delta$ 508-expressing airway epithelial cells exposed to Pseudomonas aeruginosa. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 441, 689-692	3.4	7
36	Lipopolysaccharide-induced toll-like receptor 4 signaling enhances the migratory ability of human esophageal cancer cells in a selectin-dependent manner. <i>Surgery</i> , <b>2013</b> , 154, 69-77	3.6	26
35	IL-33 is expressed in epithelia from patients with cystic fibrosis and potentiates neutrophil recruitment. <i>Journal of Allergy and Clinical Immunology</i> , <b>2013</b> , 131, 913-6	11.5	22
34	The level of p38 $\beta$ 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> , <b>2013</b> , 207, 1544-55	7	23
33	Differential roles of CXCL2 and CXCL3 and their receptors in regulating normal and asthmatic airway smooth muscle cell migration. <i>Journal of Immunology</i> , <b>2013</b> , 191, 2731-41	5.3	70
32	Aryl hydrocarbon receptor-dependent retention of nuclear HuR suppresses cigarette smoke-induced cyclooxygenase-2 expression independent of DNA-binding. <i>PLoS ONE</i> , <b>2013</b> , 8, e74953	3.7	28
31	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> , <b>2013</b> , 8, e59116	3.7	22
30	Mucoid Pseudomonas aeruginosa caused by mucA mutations result in activation of TLR2 in addition to TLR5 in airway epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 428, 150-4	3.4	16
29	TH17 cytokines induce human airway smooth muscle cell migration. <i>Journal of Allergy and Clinical Immunology</i> , <b>2011</b> , 127, 1046-53.e1-2	11.5	67

28	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> , <b>2011</b> , 127, 1632-4	11.5	8
27	<i>P. aeruginosa</i> drives CXCL8 synthesis via redundant toll-like receptors and NADPH oxidase in CFTR $\Delta$ 508 airway epithelial cells. <i>Journal of Cystic Fibrosis</i> , <b>2011</b> , 10, 107-13	4.1	16
26	Steroid-insensitive ERK1/2 activity drives CXCL8 synthesis and neutrophilia by airway smooth muscle. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2011</b> , 45, 984-90	5.7	19
25	LPS-induced TLR4 signaling in human colorectal cancer cells increases beta1 integrin-mediated cell adhesion and liver metastasis. <i>Cancer Research</i> , <b>2011</b> , 71, 1989-98	10.1	192
24	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> , <b>2010</b> , 285, 22299-307	5.4	62
23	p38 $\gamma$ regulates interaction of nuclear PSF and RNA with the tumour-suppressor hDlg in response to osmotic shock. <i>Journal of Cell Science</i> , <b>2010</b> , 123, 2596-604	5.3	14
22	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> , <b>2010</b> , 285, 8013-21	5.4	35
21	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> , <b>2010</b> , 391, 505-9	3.4	19
20	IL-17 promotes p38 MAPK-dependent endothelial activation enhancing neutrophil recruitment to sites of inflammation. <i>Journal of Immunology</i> , <b>2010</b> , 184, 4531-7	5.3	190
19	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> , <b>2009</b> , 21, 448-56	4.9	74
18	DAZAP1 interacts via its RNA-recognition motifs with the C-termini of other RNA-binding proteins. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 380, 705-9	3.4	17
17	IL-1 $\beta$ -stimulated activation of ERK1/2 and p38 $\alpha$ MAPK mediates the transcriptional up-regulation of IL-6, IL-8 and GRO- $\alpha$ in HeLa cells. <i>Cellular Signalling</i> , <b>2008</b> , 20, 375-80	4.9	44
16	TPL2-mediated activation of ERK1 and ERK2 regulates the processing of pre-TNF $\alpha$ in LPS-stimulated macrophages. <i>Journal of Cell Science</i> , <b>2008</b> , 121, 149-54	5.3	107
15	p38 MAP-kinases pathway regulation, function and role in human diseases. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2007</b> , 1773, 1358-75	4.9	904
14	CXCL12 and C5a trigger cell migration via a PAK1/2-p38 $\alpha$ MAPK-MAPKAP-K2-HSP27 pathway. <i>Cellular Signalling</i> , <b>2006</b> , 18, 1897-905	4.9	107
13	Phosphorylation of the ARE-binding protein DAZAP1 by ERK2 induces its dissociation from DAZ. <i>Biochemical Journal</i> , <b>2006</b> , 399, 265-73	3.8	26
12	The Mnks are novel components in the control of TNF $\alpha$ biosynthesis and phosphorylate and regulate hnRNP A1. <i>Immunity</i> , <b>2005</b> , 23, 177-89	32.3	159
11	Nogo-B is a new physiological substrate for MAPKAP-K2. <i>Biochemical Journal</i> , <b>2005</b> , 391, 433-40	3.8	26

10	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> , <b>2003</b> , 14, 1418-32	3.5	101
9	Inhibition of SAPK2a/p38 prevents hnRNP A0 phosphorylation by MAPKAP-K2 and its interaction with cytokine mRNAs. <i>EMBO Journal</i> , <b>2002</b> , 21, 6505-14	13	159
8	Integrating the VEGF signals leading to actin-based motility in vascular endothelial cells. <i>Trends in Cardiovascular Medicine</i> , <b>2000</b> , 10, 321-7	6.9	106
7	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> , <b>2000</b> , 275, 10661-72	5.4	241
6	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> , <b>1999</b> , 9, 369-72	6.3	290
5	SAPK2/p38-dependent F-actin reorganization regulates early membrane blebbing during stress-induced apoptosis. <i>Journal of Cell Biology</i> , <b>1998</b> , 143, 1361-73	7.3	257
4	p38 MAP kinase activation by vascular endothelial growth factor mediates actin reorganization and cell migration in human endothelial cells. <i>Oncogene</i> , <b>1997</b> , 15, 2169-77	9.2	711
3	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
2	p38 alpha MAP kinase. <i>The AFCS-nature Molecule Pages</i> ,		12
1	Identification of COVID-19-relevant transcriptional regulatory networks and associated kinases as potential therapeutic targets		1