

Jacky Y Suen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2542552/publications.pdf>

Version: 2024-02-01

94
papers

2,708
citations

257450

24
h-index

243625

44
g-index

100
all docs

100
docs citations

100
times ranked

3076
citing authors

#	ARTICLE	IF	CITATIONS
1	Mid and long-term neurological and neuropsychiatric manifestations of post-COVID-19 syndrome: A meta-analysis. <i>Journal of the Neurological Sciences</i> , 2022, 434, 120162.	0.6	335
2	Structure, function and pathophysiology of protease activated receptors. , 2011, 130, 248-282.		315
3	Biased signalling and proteinase-activated receptors (<sc>PAR</sc>s): targeting inflammatory disease. <i>British Journal of Pharmacology</i> , 2014, 171, 1180-1194.	5.4	153
4	C5aR and C3aR antagonists each inhibit diet-induced obesity, metabolic dysfunction, and adipocyte and macrophage signaling. <i>FASEB Journal</i> , 2013, 27, 822-831.	0.5	112
5	Modulating human proteinase activated receptor 2 with a novel antagonist (GB88) and agonist (GB110). <i>British Journal of Pharmacology</i> , 2012, 165, 1413-1423.	5.4	96
6	Diet-induced obesity, adipose inflammation, and metabolic dysfunction correlating with PAR2 expression are attenuated by PAR2 antagonism. <i>FASEB Journal</i> , 2013, 27, 4757-4767.	0.5	93
7	Novel Agonists and Antagonists for Human Protease Activated Receptor 2. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7428-7440.	6.4	91
8	An antagonist of human protease activated receptor-2 attenuates PAR2 signaling, macrophage activation, mast cell degranulation, and collagen-induced arthritis in rats. <i>FASEB Journal</i> , 2012, 26, 2877-2887.	0.5	91
9	Antagonism of Protease-Activated Receptor 2 Protects against Experimental Colitis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012, 340, 256-265.	2.5	83
10	Inflammatory Responses Induced by Lipopolysaccharide Are Amplified in Primary Human Monocytes but Suppressed in Macrophages by Complement Protein C5a. <i>Journal of Immunology</i> , 2013, 191, 4308-4316.	0.8	70
11	Venovenous extracorporeal membrane oxygenation in patients with acute covid-19 associated respiratory failure: comparative effectiveness study. <i>BMJ, The</i> , 2022, 377, e068723.	6.0	63
12	ECMO use in COVID-19: lessons from past respiratory virus outbreaks—a narrative review. <i>Critical Care</i> , 2020, 24, 301.	5.8	56
13	Pathway-selective antagonism of proteinase activated receptor 2. <i>British Journal of Pharmacology</i> , 2014, 171, 4112-4124.	5.4	54
14	A Potent Antagonist of Protease-Activated Receptor 2 That Inhibits Multiple Signaling Functions in Human Cancer Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2018, 364, 246-257.	2.5	50
15	An Inhibitor of Phospholipase A2 Group IIA Modulates Adipocyte Signaling and Protects Against Diet-Induced Metabolic Syndrome in Rats. <i>Diabetes</i> , 2012, 61, 2320-2329.	0.6	47
16	Low flow rate alters haemostatic parameters in an ex-vivo extracorporeal membrane oxygenation circuit. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 51.	1.9	45
17	Profiling Gene Expression Induced by Protease-Activated Receptor 2 (PAR2) Activation in Human Kidney Cells. <i>PLoS ONE</i> , 2010, 5, e13809.	2.5	43
18	PAR2-induced inflammatory responses in human kidney tubular epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 304, F737-F750.	2.7	40

#	ARTICLE	IF	CITATIONS
19	Therapeutic Inhibition of Acid-Sensing Ion Channel 1a Recovers Heart Function After Ischemia–Reperfusion Injury. <i>Circulation</i> , 2021, 144, 947-960.	1.6	40
20	Anti-thrombogenic Surface Coatings for Extracorporeal Membrane Oxygenation: A Narrative Review. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 4402-4419.	5.2	39
21	Short Hydrophobic Peptides with Cyclic Constraints Are Potent Glucagon-like Peptide-1 Receptor (GLP-1R) Agonists. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4080-4085.	6.4	38
22	Receptor residence time trumps drug-likeness and oral bioavailability in determining efficacy of complement C5a antagonists. <i>Scientific Reports</i> , 2016, 6, 24575.	3.3	38
23	Biased Signaling by Agonists of Protease Activated Receptor 2. <i>ACS Chemical Biology</i> , 2017, 12, 1217-1226.	3.4	34
24	Exploiting a novel conformational switch to control innate immunity mediated by complement protein C3a. <i>Nature Communications</i> , 2017, 8, 351.	12.8	30
25	Transfusion of packed red blood cells at the end of shelf life is associated with increased risk of mortality – a pooled patient data analysis of 16 observational trials. <i>Haematologica</i> , 2018, 103, 1542-1548.	3.5	29
26	Downsizing a human inflammatory protein to a small molecule with equal potency and functionality. <i>Nature Communications</i> , 2013, 4, 2802.	12.8	28
27	Beneficial Effect of Prone Positioning During Venovenous Extracorporeal Membrane Oxygenation for Coronavirus Disease 2019*. <i>Critical Care Medicine</i> , 2022, 50, 275-285.	0.9	28
28	Administration of mesenchymal stem cells during ECMO results in a rapid decline in oxygenator performance. <i>Thorax</i> , 2019, 74, 194-196.	5.6	27
29	Combined Mesenchymal Stromal Cell Therapy and Extracorporeal Membrane Oxygenation in Acute Respiratory Distress Syndrome. A Randomized Controlled Trial in Sheep. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 383-392.	5.6	27
30	Inflammation and lung injury in an ovine model of fluid resuscitated endotoxemic shock. <i>Respiratory Research</i> , 2018, 19, 231.	3.6	23
31	Ethical factors determining ECMO allocation during the COVID-19 pandemic. <i>BMC Medical Ethics</i> , 2021, 22, 70.	2.4	22
32	PAR2 induces ovarian cancer cell motility by merging three signalling pathways to transactivate EGFR. <i>British Journal of Pharmacology</i> , 2021, 178, 913-932.	5.4	21
33	An appraisal of respiratory system compliance in mechanically ventilated covid-19 patients. <i>Critical Care</i> , 2021, 25, 199.	5.8	21
34	A refined agonist pharmacophore for protease activated receptor 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5552-5557.	2.2	20
35	Studying the Endothelial Glycocalyx in vitro: What Is Missing?. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 647086.	2.4	20
36	Ischemic and Hemorrhagic Stroke Among Critically Ill Patients With Coronavirus Disease 2019: An International Multicenter Coronavirus Disease 2019 Critical Care Consortium Study*. <i>Critical Care Medicine</i> , 2021, 49, e1223-e1233.	0.9	20

#	ARTICLE	IF	CITATIONS
37	Neurological Manifestations of Coronavirus Disease 2019: A Comprehensive Review and Meta-Analysis of the First 6 Months of Pandemic Reporting. <i>Frontiers in Neurology</i> , 2021, 12, 664599.	2.4	19
38	Extracorporeal membrane oxygenation (ECMO) and the acute respiratory distress syndrome (ARDS): a systematic review of pre-clinical models. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 18.	1.9	17
39	Design and rationale of the COVID-19 Critical Care Consortium international, multicentre, observational study. <i>BMJ Open</i> , 2020, 10, e041417.	1.9	17
40	Potent Small Agonists of Protease Activated Receptor 2. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 105-110.	2.8	16
41	Mesenchymal stem cells may ameliorate inflammation in an ex vivo model of extracorporeal membrane oxygenation. <i>Perfusion (United Kingdom)</i> , 2019, 34, 15-21.	1.0	16
42	Effect of ex vivo extracorporeal membrane oxygenation flow dynamics on immune response. <i>Perfusion (United Kingdom)</i> , 2019, 34, 5-14.	1.0	16
43	A Comparative Study of Impedance versus Optical Label-Free Systems Relative to Labelled Assays in a Predominantly Gi Coupled GPCR (C5aR) Signalling. <i>Biosensors</i> , 2012, 2, 273-290.	4.7	14
44	Current Understanding of Leukocyte Phenotypic and Functional Modulation During Extracorporeal Membrane Oxygenation: A Narrative Review. <i>Frontiers in Immunology</i> , 2020, 11, 600684.	4.8	14
45	The discovery of biological subphenotypes in ARDS: a novel approach to targeted medicine?. <i>Journal of Intensive Care</i> , 2021, 9, 14.	2.9	13
46	Characterizing preclinical subphenotypic models of acute respiratory distress syndrome: An experimental ovine study. <i>Physiological Reports</i> , 2021, 9, e15048.	1.7	13
47	PAR2 Modulators Derived from GB88. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 1179-1184.	2.8	12
48	Extracorporeal Membrane Oxygenation-Induced Hemolysis: An In Vitro Study to Appraise Causative Factors. <i>Membranes</i> , 2021, 11, 313.	3.0	12
49	Coagulation Dysfunction in Acute Respiratory Distress Syndrome and Its Potential Impact in Inflammatory Subphenotypes. <i>Frontiers in Medicine</i> , 2021, 8, 723217.	2.6	11
50	Repurposing Registered Drugs as Antagonists for Protease-Activated Receptor 2. <i>Journal of Chemical Information and Modeling</i> , 2015, 55, 2079-2084.	5.4	10
51	The use of extracorporeal membrane oxygenation in children with acute fulminant myocarditis. <i>Clinical and Experimental Pediatrics</i> , 2021, 64, 188-195.	2.2	10
52	Acute Immune Response in Venoarterial and Venovenous Extracorporeal Membrane Oxygenation Models of Rats. <i>ASAIO Journal</i> , 2021, 67, 546-553.	1.6	10
53	The effect of hyperoxia on inflammation and platelet responses in an ex vivo extracorporeal membrane oxygenation circuit. <i>Artificial Organs</i> , 2020, 44, 1276-1285.	1.9	9
54	Early short course of neuromuscular blocking agents in patients with COVID-19 ARDS: a propensity score analysis. <i>Critical Care</i> , 2022, 26, 141.	5.8	9

#	ARTICLE	IF	CITATIONS
55	Mapping transmembrane residues of proteinase activated receptor 2 (PAR 2) that influence ligand-modulated calcium signaling. <i>Pharmacological Research</i> , 2017, 117, 328-342.	7.1	8
56	Pharmacological inhibition of protease-activated receptor-2 reduces crescent formation in rat nephrotoxic serum nephritis. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2019, 46, 456-464.	1.9	8
57	Potent complement C3a receptor agonists derived from oxazole amino acids: Structure-activity relationships. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 5604-5608.	2.2	7
58	Heart Transplantation From Brain Dead Donors: A Systematic Review of Animal Models. <i>Transplantation</i> , 2020, 104, 2272-2289.	1.0	7
59	Heart failure supported by veno-arterial extracorporeal membrane oxygenation (ECMO): a systematic review of pre-clinical models. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 16.	1.9	7
60	Hurdles to Cardioprotection in the Critically Ill. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3823.	4.1	6
61	Differential immunological profiles herald magnetic resonance imaging-defined perioperative cerebral infarction. <i>Therapeutic Advances in Neurological Disorders</i> , 2018, 11, 175628641875949.	3.5	5
62	Neuron-Specific Enolase and Matrix Metalloproteinase 9 Signal Perioperative Silent Brain Infarction During or After Transcatheter Aortic Valve Implantation. <i>American Journal of Cardiology</i> , 2019, 123, 434-439.	1.6	5
63	Ex vivo models for research in extracorporeal membrane oxygenation: a systematic review of the literature. <i>Perfusion (United Kingdom)</i> , 2020, 35, 38-49.	1.0	5
64	Viability of Mesenchymal Stem Cells in an Ex Vivo Circulation System. <i>ASAIO Journal</i> , 2020, 66, 433-440.	1.6	5
65	Benzylamide antagonists of protease activated receptor 2 with anti-inflammatory activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 986-991.	2.2	4
66	Recruitment manoeuvres dislodge mucus towards the distal airways in an experimental model of severe pneumonia. <i>British Journal of Anaesthesia</i> , 2019, 122, 269-276.	3.4	4
67	Assessing potential for aortoiliac vascular injury from venoarterial extracorporeal membrane oxygenation cannulae: An in vitro particle image velocimetry study. <i>Artificial Organs</i> , 2021, 45, E14-E25.	1.9	4
68	An Ovine Model of Hemorrhagic Shock and Resuscitation, to Assess Recovery of Tissue Oxygen Delivery and Oxygen Debt, and Inform Patient Blood Management. <i>Shock</i> , 2021, 56, 1080-1091.	2.1	4
69	An innovative ovine model of severe cardiopulmonary failure supported by veno-arterial extracorporeal membrane oxygenation. <i>Scientific Reports</i> , 2021, 11, 20458.	3.3	4
70	Assessment of 28-Day In-Hospital Mortality in Mechanically Ventilated Patients With Coronavirus Disease 2019: An International Cohort Study. , 2021, 3, e0567.		4
71	Impact of renin-angiotensin-aldosterone system inhibition on mortality in critically ill COVID-19 patients with pre-existing hypertension: a prospective cohort study. <i>BMC Cardiovascular Disorders</i> , 2022, 22, 123.	1.7	4
72	Non-Invasive Multimodal Neuromonitoring in Non-Critically Ill Hospitalized Adult Patients With COVID-19: A Systematic Review and Meta-Analysis. <i>Frontiers in Neurology</i> , 2022, 13, 814405.	2.4	4

#	ARTICLE	IF	CITATIONS
73	Protease-activated receptor 2 does not contribute to renal inflammation or fibrosis in the obstructed kidney. <i>Nephrology</i> , 2019, 24, 983-991.	1.6	3
74	Peritransplant Cardiometabolic and Mitochondrial Function: The Missing Piece in Donor Heart Dysfunction and Graft Failure. <i>Transplantation</i> , 2021, 105, 496-508.	1.0	3
75	Expression of protease activated receptor-2 is reduced in renal cell carcinoma biopsies and cell lines. <i>PLoS ONE</i> , 2021, 16, e0248983.	2.5	3
76	Exploration of the Utility of Speckle-Tracking Echocardiography During Mechanical Ventilation and Mechanical Circulatory Support. , 2022, 4, e0666.		3
77	Endothelialized flow models for blood transfusion research. <i>Haematologica</i> , 2019, 104, 428-434.	3.5	2
78	Compromised right ventricular contractility in an ovine model of heart transplantation following 24h donor brain stem death. <i>Pharmacological Research</i> , 2021, 169, 105631.	7.1	2
79	Design and Rationale of a Prospective International Follow-Up Study on Intensive Care Survivors of COVID-19: The Long-Term Impact in Intensive Care Survivors of Coronavirus Disease-19 "AFTERCOR. <i>Frontiers in Medicine</i> , 2021, 8, 738086.	2.6	2
80	Prone position during venovenous extracorporeal membrane oxygenation: survival analysis needed for a time-dependent intervention. <i>Critical Care</i> , 2022, 26, 39.	5.8	2
81	Validation of Messenger Ribonucleic Acid Markers Differentiating Among Human Acute Respiratory Distress Syndrome Subgroups in an Ovine Model of Acute Respiratory Distress Syndrome Phenotypes. <i>Frontiers in Medicine</i> , 0, 9, .	2.6	2
82	Pre-clinical study protocol: Blood transfusion in endotoxaemic shock. <i>MethodsX</i> , 2019, 6, 1124-1132.	1.6	1
83	Extracorporeal Membrane Oxygenation Cannulae-related Infection. <i>ASAIO Journal</i> , 2021, Publish Ahead of Print, .	1.6	1
84	Recovery of organ-specific tissue oxygen delivery at restrictive transfusion thresholds after fluid treatment in ovine haemorrhagic shock. <i>Intensive Care Medicine Experimental</i> , 2022, 10, 12.	1.9	1
85	A clinically relevant sheep model of orthotopic heart transplantation 24h after donor brainstem death. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 60.	1.9	1
86	Differential Protein Expression among Two Different Ovine ARDS Phenotypes "A Preclinical Randomized Study. <i>Metabolites</i> , 2022, 12, 655.	2.9	1
87	Hypothermic Ex Vivo Perfusion: Protecting the Donor Heart and the Recipient. <i>ASAIO Journal</i> , 2020, 66, e99-e99.	1.6	0
88	Reply to Zhang and Hei: Mesenchymal Stem Cell-derived Exosomes: Are They Another Therapeutic Method for Extracorporeal Membrane Oxygenation-supported Acute Respiratory Distress Syndrome?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1603-1604.	5.6	0
89	Donor brain stem death and cardiac transplantation causes mitochondrial dyscoupling and oxidative stress. <i>Australian Critical Care</i> , 2020, 33, S31.	1.3	0
90	(-)-Noradrenaline sensitivity, contractility and mitochondrial function in an ovine model of brain stem death and transplantation. <i>Journal of Molecular and Cellular Cardiology</i> , 2020, 140, 48.	1.9	0

#	ARTICLE	IF	CITATIONS
91	001â€¦Neurological manifestations of coronavirus disease 2019: a comprehensive review. , 2021, , .		0
92	035â€¦Case-control study of risk factors for stroke among critically-ill patients with SARS-CoV-2: an analysis of the COVID-19 critical care consortium (CCCC) global registry. , 2021, , .		0
93	Abstract 10482: Renin-Angiotensin-Aldosterone System Inhibition is Associated with Reduced In-Hospital Mortality in Critically Ill Covid-19 Patients with Pre-Existing Hypertension. Circulation, 2021, 144, .	1.6	0
94	Hypothermic Ex Vivo Perfusion of Donor Hearts can Safely Preserve Postâ€¦transplant Cardiac Function in Sheep for 8 Hours. FASEB Journal, 2022, 36, .	0.5	0