

# Vincent Jaquet

## 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.

48  
papers

2,927  
citations

29  
h-index

53  
g-index

53  
ext. papers

3,417  
ext. citations

7.3  
avg, IF

5.14  
L-index

#	Paper	IF	Citations
48	Small-molecule NOX inhibitors: ROS-generating NADPH oxidases as therapeutic targets. <i>Antioxidants and Redox Signaling</i> , <b>2009</b> , 11, 2535-52	8.4	214
47	New insights on NOX enzymes in the central nervous system. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 2815-37	8.4	191
46	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , <b>2017</b> , 13, 94-162	11.3	185
45	Severe life stress and oxidative stress in the brain: from animal models to human pathology. <i>Antioxidants and Redox Signaling</i> , <b>2013</b> , 18, 1475-90	8.4	179
44	Involvement of NOX2 in the development of behavioral and pathologic alterations in isolated rats. <i>Biological Psychiatry</i> , <b>2009</b> , 66, 384-92	7.9	158
43	Hyperinflammation in chronic granulomatous disease and anti-inflammatory role of the phagocyte NADPH oxidase. <i>Seminars in Immunopathology</i> , <b>2008</b> , 30, 255-71	12	130
42	Reactive oxygen species in myocardial reperfusion injury: from physiopathology to therapeutic approaches. <i>Current Pharmaceutical Biotechnology</i> , <b>2012</b> , 13, 97-114	2.6	125
41	NOX5 is expressed at the plasma membrane and generates superoxide in response to protein kinase C activation. <i>Biochimie</i> , <b>2007</b> , 89, 1159-67	4.6	121
40	Role of NADPH oxidase isoforms NOX1, NOX2 and NOX4 in myocardial ischemia/reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2013</b> , 64, 99-107	5.8	107
39	Detection of reactive oxygen species derived from the family of NOX NADPH oxidases. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 53, 1903-18	7.8	106
38	NOX5: from basic biology to signaling and disease. <i>Free Radical Biology and Medicine</i> , <b>2012</b> , 52, 725-34	7.8	92
37	Reactive Oxygen-Related Diseases: Therapeutic Targets and Emerging Clinical Indications. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 23, 1171-85	8.4	89
36	NADPH oxidase (NOX) isoforms are inhibited by celastrol with a dual mode of action. <i>British Journal of Pharmacology</i> , <b>2011</b> , 164, 507-20	8.6	89
35	Discovery of GSK2795039, a Novel Small Molecule NADPH Oxidase 2 Inhibitor. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 23, 358-74	8.4	86
34	The oxidative stress theory of disease: levels of evidence and epistemological aspects. <i>British Journal of Pharmacology</i> , <b>2017</b> , 174, 1784-1796	8.6	86
33	Pharmacological characterization of the seven human NOX isoforms and their inhibitors. <i>Redox Biology</i> , <b>2019</b> , 26, 101272	11.3	82
32	The NADPH oxidase NOX2 controls glutamate release: a novel mechanism involved in psychosis-like ketamine responses. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 11317-25	6.6	74

31	NADPH oxidases as drug targets and biomarkers in neurodegenerative diseases: What is the evidence?. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 112, 387-396	7.8	60
30	Pharmacology and Clinical Drug Candidates in Redox Medicine. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 23, 1113-29	8.4	59
29	Targeting NOX enzymes in the central nervous system: therapeutic opportunities. <i>Cellular and Molecular Life Sciences</i> , <b>2012</b> , 69, 2387-407	10.3	59
28	MALAT-1, a non protein-coding RNA is upregulated in the cerebellum, hippocampus and brain stem of human alcoholics. <i>Alcohol</i> , <b>2012</b> , 46, 629-34	2.7	56
27	NADPH oxidase elevations in pyramidal neurons drive psychosocial stress-induced neuropathology. <i>Translational Psychiatry</i> , <b>2012</b> , 2, e111	8.6	54
26	Mammalian NADPH Oxidases. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1982, 17-36	1.4	48
25	Three common polymorphisms in the CYBA gene form a haplotype associated with decreased ROS generation. <i>Human Mutation</i> , <b>2009</b> , 30, 1123-33	4.7	45
24	Evaluation of NADPH oxidases as drug targets in a mouse model of familial amyotrophic lateral sclerosis. <i>Free Radical Biology and Medicine</i> , <b>2016</b> , 97, 95-108	7.8	39
23	Transcription factor NRF2 controls the fate of neural stem cells in the subgranular zone of the hippocampus. <i>Redox Biology</i> , <b>2017</b> , 13, 393-401	11.3	35
22	Molecular imaging reveals rapid reduction of endothelial activation in early atherosclerosis with apocynin independent of antioxidative properties. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2013</b> , 33, 2187-92	9.4	33
21	Molecular cloning and characterization of hNP22: a gene up-regulated in human alcoholic brain. <i>Journal of Neurochemistry</i> , <b>2001</b> , 76, 1275-81	6	31
20	NADPH oxidase 1 deficiency alters caveolin phosphorylation and angiotensin II-receptor localization in vascular smooth muscle. <i>Antioxidants and Redox Signaling</i> , <b>2009</b> , 11, 2371-84	8.4	30
19	A subset of N-substituted phenothiazines inhibits NADPH oxidases. <i>Free Radical Biology and Medicine</i> , <b>2015</b> , 86, 239-49	7.8	29
18	Lentivector Knockdown of CCR5 in Hematopoietic Stem and Progenitor Cells Confers Functional and Persistent HIV-1 Resistance in Humanized Mice. <i>Journal of Virology</i> , <b>2015</b> , 89, 6761-72	6.6	28
17	Potential benefits and harms of NADPH oxidase type 4 in the kidneys and cardiovascular system. <i>Nephrology Dialysis Transplantation</i> , <b>2019</b> , 34, 567-576	4.3	24
16	Dectin-1 Binding to Annexins on Apoptotic Cells Induces Peripheral Immune Tolerance via NADPH Oxidase-2. <i>Cell Reports</i> , <b>2019</b> , 29, 4435-4446.e9	10.6	24
15	On the Clinical Pharmacology of Reactive Oxygen Species. <i>Pharmacological Reviews</i> , <b>2020</b> , 72, 801-828	22.5	21
14	Decreased neural precursor cell pool in NADPH oxidase 2-deficiency: From mouse brain to neural differentiation of patient derived iPSC. <i>Redox Biology</i> , <b>2017</b> , 13, 82-93	11.3	18

13	Decreased NOX2 expression in the brain of patients with bipolar disorder: association with valproic acid prescription and substance abuse. <i>Translational Psychiatry</i> , <b>2017</b> , 7, e1206	8.6	16
12	Tubular NOX4 expression decreases in chronic kidney disease but does not modify fibrosis evolution. <i>Redox Biology</i> , <b>2019</b> , 26, 101234	11.3	15
11	Redox activation of excitatory pathways in auditory neurons as mechanism of age-related hearing loss. <i>Redox Biology</i> , <b>2020</b> , 30, 101434	11.3	14
10	Neuronal protein 22 colocalises with both the microtubule and microfilament cytoskeleton in neurite-like processes. <i>Brain Research</i> , <b>2007</b> , 1128, 12-20	3.7	11
9	Dual NADPH oxidases DUOX1 and DUOX2 synthesize NAADP and are necessary for Ca signaling during T cell activation. <i>Science Signaling</i> , <b>2021</b> , 14, eabe3800	8.8	10
8	Methods for Detection of NOX-Derived Superoxide Radical Anion and Hydrogen Peroxide in Cells. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1982, 233-241	1.4	7
7	Response to Pick. <i>Antioxidants and Redox Signaling</i> , <b>2015</b> , 23, 1251-3	8.4	4
6	Cell-free screening for NOX inhibitors. <i>Chemistry and Biology</i> , <b>2012</b> , 19, 664-5		3
5	Ethanol-related adaptive changes and physical dependence in rats after exposure to ethanol. <i>Alcohol</i> , <b>2001</b> , 24, 137-9	2.7	3
4	Navigating in vitro bioactivity data by investigating available resources using model compounds. <i>Scientific Data</i> , <b>2019</b> , 6, 45	8.2	1
3	Di-Tyrosine Crosslinking and Expression as Oxidative Pathological Markers in the Lungs of Patients with Idiopathic Pulmonary Fibrosis. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	1
2	NOX5 Cell-Free Assay for the High-Throughput Screening of Small Molecules. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1982, 103-111	1.4	1
1	Hydrogen Peroxide Affects Growth of Through Downregulation of Genes Involved in Pyrimidine Biosynthesis. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 673985	8.4	1