Thomas L Leto

List of Publications by Year
in descending order

50 papers	5,560 citations	126907 33 h-index	206112 48 g-index
51 all docs	51 docs citations	51 times ranked	6906 citing authors

#	Article	IF	Citations
1	Genetic, Biochemical, and Clinical Features of Chronic Granulomatous Disease. Medicine (United) Tj ETQq1 1 0.784314 rgBT /Overlock	1.0	775
2	Dual oxidases represent novel hydrogen peroxide sources supporting mucosal surface host defense. FASEB Journal, 2003, 17, 1-14.	0.5	431
3	The Nox Family of NAD(P)H Oxidases: Host Defense and Beyond. Journal of Biological Chemistry, 2004, 279, 51715-51718.	3.4	394
4	Oxidative Innate Immune Defenses by Nox/Duox Family NADPH Oxidases. , 2008, 15, 164-187.		369
5	Targeting and Regulation of Reactive Oxygen Species Generation by Nox Family NADPH Oxidases. Antioxidants and Redox Signaling, 2009, 11, 2607-2619.	5.4	298
6	Proteins Homologous to p47 and p67 Support Superoxide Production by NAD(P)H Oxidase 1 in Colon Epithelial Cells. Journal of Biological Chemistry, 2003, 278, 20006-20012.	3.4	258
7	Pyocyanin effects on respiratory epithelium: relevance in Pseudomonas aeruginosa airway infections. Trends in Microbiology, 2013, 21, 73-81.	7.7	233
8	Role of Nox Family NADPH Oxidases in Host Defense. Antioxidants and Redox Signaling, 2006, 8, 1549-1561.	5.4	215
9	Involvement of Rac1 in Activation of Multicomponent Nox1- and Nox3-Based NADPH Oxidases. Molecular and Cellular Biology, 2006, 26, 2160-2174.	2.3	211
10	Essential Requirement of Cytosolic Phospholipase A2for Activation of the Phagocyte NADPH Oxidase. Journal of Biological Chemistry, 1998, 273, 441-445.	3.4	190
11	NAD(P)H Oxidase 1, a Product of Differentiated Colon Epithelial Cells, Can Partially Replace Glycoprotein 91<i>phox</i> in the Regulated Production of Superoxide by Phagocytes. Journal of Immunology, 2003, 171, 299-306.	0.8	189
12	Nox4 involvement in TGF-beta and SMAD3-driven induction of the epithelial-to-mesenchymal transition and migration of breast epithelial cells. Free Radical Biology and Medicine, 2012, 53, 1489-1499.	2.9	181
13	Duox maturation factors form cell surface complexes with Duox affecting the specificity of reactive oxygen species generation. FASEB Journal, 2009, 23, 1205-1218.	0.5	149
14	Genetic Demonstration of p47phox-Dependent Superoxide Anion Production in Murine Vascular Smooth Muscle Cells. Circulation, 2001, 104, 79-84.	1.6	142
15	Dual oxidases. Philosophical Transactions of the Royal Society B: Biological Sciences, 2005, 360, 2301-2308.	4.0	123
16	The Nonphagocytic NADPH Oxidase Duox1 Mediates a Positive Feedback Loop During T Cell Receptor Signaling. Science Signaling, 2010, 3, ra59.	3.6	111
17	The <i>Pseudomonas</i> Toxin Pyocyanin Inhibits the Dual Oxidase-Based Antimicrobial System as It Imposes Oxidative Stress on Airway Epithelial Cells. Journal of Immunology, 2008, 181, 4883-4893.	0.8	106
18	Pyocyanin-Enhanced Neutrophil Extracellular Trap Formation Requires the NADPH Oxidase. PLoS ONE, 2013, 8, e54205.	2.5	101

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19	Release of Cystic Fibrosis Airway Inflammatory Markers from <i>Pseudomonas aeruginosa</i>â€"Stimulated Human Neutrophils Involves NADPH Oxidase-Dependent Extracellular DNA Trap Formation. Journal of Immunology, 2014, 192, 4728-4738.	0.8	85
20	Novel sources of reactive oxygen species in the human body. Nephrology Dialysis Transplantation, 2007, 22, 1281-1288.	0.7	75
21	A Regulated Adaptor Function of p40phox: Distinct p67phoxMembrane Targeting by p40phoxand by p47phox. Molecular Biology of the Cell, 2007, 18, 441-454.	2.1	75
22	Dominant activating RAC2 mutation with lymphopenia, immunodeficiency, and cytoskeletal defects. Blood, 2019, 133, 1977-1988.	1.4	61
23	Genetic requirement of p47phoxfor superoxide production by murine microglia. FASEB Journal, 2001, 15, 285-287.	0.5	59
24	Mechanism of Angiotensin II-induced Superoxide Production in Cells Reconstituted with Angiotensin Type 1 Receptor and the Components of NADPH Oxidase. Journal of Biological Chemistry, 2008, 283, 255-267.	3.4	54
25	Peroxiredoxin 6 translocates to the plasma membrane during neutrophil activation and is required for optimal NADPH oxidase activity. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 306-315.	4.1	53
26	Sequential Binding of Cytosolic Phox Complex to Phagosomes through Regulated Adaptor Proteins: Evaluation Using the Novel Monomeric Kusabira-Green System and Live Imaging of Phagocytosis. Journal of Immunology, 2008, 181, 629-640.	0.8	50
27	NLRP3 inflammasome activation and interleukin-1Î² release in macrophages require calcium but are independent of calcium-activated NADPH oxidases. Inflammation Research, 2014, 63, 821-830.	4.0	43
28	Subcellular localization and function of alternatively spliced Noxo1 isoforms. Free Radical Biology and Medicine, 2007, 42, 180-190.	2.9	42
29	Double-Stranded RNA Induces Shedding of the 34-kDa Soluble TNFR1 from Human Airway Epithelial Cells via TLR3â€"TRIFâ€"RIP1-Dependent Signaling: Roles for Dual Oxidase 2- and Caspase-Dependent Pathways. Journal of Immunology, 2011, 186, 1180-1188.	0.8	41
30	Characterization of hydrogen peroxide production by Duox in bronchial epithelial cells exposed to <i>Pseudomonas aeruginosa</i>. FEBS Letters, 2010, 584, 917-922.	2.8	40
31	Peroxiredoxin 6 (Prdx6) supports NADPH oxidase1 (Nox1)-based superoxide generation and cell migration. Free Radical Biology and Medicine, 2016, 96, 99-115.	2.9	39
32	Redox warfare between airway epithelial cells and Pseudomonas: dual oxidase versus pyocyanin. Immunologic Research, 2009, 43, 198-209.	2.9	38
33	Cooperation of p40 with p47 for Nox2-based NADPH Oxidase Activation during FcÎ³ Receptor (FcÎ³R)-mediated Phagocytosis. Journal of Biological Chemistry, 2011, 286, 40693-40705.	3.4	37
34	Histamine Stimulates Hydrogen Peroxide Production by Bronchial Epithelial Cells via Histamine H1 Receptor and Duox. American Journal of Respiratory Cell and Molecular Biology, 2013, 50, 130820084605001.	2.9	34
35	The Extracellular A-loop of Dual Oxidases Affects the Specificity of Reactive Oxygen Species Release. Journal of Biological Chemistry, 2015, 290, 6495-6506.	3.4	34
36	Deficiency in Duox2 activity alleviates ileitis in GPx1- and GPx2-knockout mice without affecting apoptosis incidence in the crypt epithelium. Redox Biology, 2017, 11, 144-156.	9.0	34

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37	When an Intramolecular Disulfide Bridge Governs the Interaction of DUOX2 with Its Partner DUOXA2. Antioxidants and Redox Signaling, 2015, 23, 724-733.	5.4	29
38	Interaction between p22phox and Nox4 in the endoplasmic reticulum suggests a unique mechanism of NADPH oxidase complex formation. Free Radical Biology and Medicine, 2018, 116, 41-49.	2.9	28
39	Heterozygous activating mutation in RAC2 causes infantile-onset combined immunodeficiency with susceptibility to viral infections. Clinical Immunology, 2019, 205, 1-5.	3.2	27
40	Hypothyroidism-associated missense mutation impairs NADPH oxidase activity and intracellular trafficking of Duox2. Free Radical Biology and Medicine, 2014, 73, 190-200.	2.9	19
41	Radical Generation and Alterations of Erythrocyte Integrity as Bioindicators of Diagnostic or Prognostic Value in COPD?. Antioxidants and Redox Signaling, 2008, 10, 829-836.	5.4	16
42	Histone modifications affect differential regulation of TGFÎ²- induced NADPH oxidase 4 (NOX4) by wild-type and mutant p53. Oncotarget, 2017, 8, 44379-44397.	1.8	15
43	Analysis of Candidate Colitis Genes in the Gdac1 Locus of Mice Deficient in Glutathione Peroxidase-1 and -2. PLoS ONE, 2012, 7, e44262.	2.5	13
44	The Gdac1 locus modifies spontaneous and Salmonella-induced colitis in mice deficient in either Gpx2 or Gpx1 gene. Free Radical Biology and Medicine, 2013, 65, 1273-1283.	2.9	10
45	A Novel RAC2 Variant Presenting as Severe Combined Immunodeficiency. Journal of Clinical Immunology, 2021, 41, 473-476.	3.8	9
46	Pan-Cancer Analysis Shows TP53 Mutations Modulate the Association of NOX4 with Genetic Programs of Cancer Progression and Clinical Outcome. Antioxidants, 2021, 10, 235.	5.1	9
47	Duox1 Regulates Primary B Cell Function under the Influence of IL-4 through BCR-Mediated Generation of Hydrogen Peroxide. Journal of Immunology, 2019, 202, 428-440.	0.8	8
48	Functional Characterization of DUOX Enzymes in Reconstituted Cell Models. Methods in Molecular Biology, 2019, 1982, 173-190.	0.9	3
49	Model Systems to Investigate NOX-Dependent Cell Migration and Invasiveness. Methods in Molecular Biology, 2019, 1982, 473-485.	0.9	2
50	Interpretation of Dihydrorhodamine-1,2,3 Flow Cytometry in Chronic Granulomatous Disease: an Atypical Exemplar. Journal of Clinical Immunology, 2022, , 1.	3.8	0