Xavier De Deken

List of Publications by Year
in descending order

33 papers	2,707 citations	257450 24 h-index	395702 33 g-index
33 all docs	33 docs citations	33 times ranked	2909 citing authors

#	Article	IF	Citations
1	Cloning of Two Human Thyroid cDNAs Encoding New Members of the NADPH Oxidase Family. Journal of Biological Chemistry, 2000, 275, 23227-23233.	3.4	536
2	Candida albicans Zinc Cluster Protein Upc2p Confers Resistance to Antifungal Drugs and Is an Activator of Ergosterol Biosynthetic Genes. Antimicrobial Agents and Chemotherapy, 2005, 49, 1745-1752.	3.2	202
3	Activation of Dual Oxidases Duox1 and Duox2. Journal of Biological Chemistry, 2009, 284, 6725-6734.	3.4	181
4	Characterization of ThOX Proteins as Components of the Thyroid H2O2-Generating System. Experimental Cell Research, 2002, 273, 187-196.	2.6	164
5	Hydrogen peroxide induces DNA single- and double-strand breaks in thyroid cells and is therefore a potential mutagen for this organ. Endocrine-Related Cancer, 2009, 16, 845-856.	3.1	163
6	The Nonphagocytic NADPH Oxidase Duox1 Mediates a Positive Feedback Loop During T Cell Receptor Signaling. Science Signaling, 2010, 3, ra59.	3.6	111
7	NADPH oxidase DUOX1 promotes long-term persistence of oxidative stress after an exposure to irradiation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5051-5056.	7.1	108
8	Genomewide Location Analysis of <i>Candida albicans</i> Upc2p, a Regulator of Sterol Metabolism and Azole Drug Resistance. Eukaryotic Cell, 2008, 7, 836-847.	3.4	107
9	Roles of DUOX-Mediated Hydrogen Peroxide in Metabolism, Host Defense, and Signaling. Antioxidants and Redox Signaling, 2014, 20, 2776-2793.	5.4	102
10	Missense Mutations of Dual Oxidase 2 (DUOX2) Implicated in Congenital Hypothyroidism Have Impaired Trafficking in Cells Reconstituted with DUOX2 Maturation Factor. Molecular Endocrinology, 2007, 21, 1408-1421.	3.7	86
11	Mice Deficient in Dual Oxidase Maturation Factors Are Severely Hypothyroid. Molecular Endocrinology, 2012, 26, 481-492.	3.7	83
12	The zinc cluster transcription factor Tac1p regulates PDR16 expression in Candida albicans. Molecular Microbiology, 2007, 66, 440-452.	2.5	81
13	IFNÎ²/TNFÎ± synergism induces a non-canonical STAT2/IRF9-dependent pathway triggering a novel DUOX2 NADPH Oxidase-mediated airway antiviral response. Cell Research, 2013, 23, 673-690.	12.0	80
14	Urothelial cells produce hydrogen peroxide through the activation of Duox1. Free Radical Biology and Medicine, 2010, 49, 2040-2048.	2.9	78
15	Duox expression and related H2O2 measurement in mouse thyroid: onset in embryonic development and regulation by TSH in adult. Journal of Endocrinology, 2007, 192, 615-626.	2.6	73
16	Identification of a Novel Partner of Duox. Journal of Biological Chemistry, 2005, 280, 3096-3103.	3.4	72
17	Compound heterozygosity for a novel hemizygous missense mutation and a partial deletion affecting the catalytic core of the H2O2-generating enzyme DUOX2 associated with transient congenital hypothyroidism. Human Mutation, 2010, 31, E1304-E1319.	2.5	66
18	Association of Duoxes with Thyroid Peroxidase and Its Regulation in Thyrocytes. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 375-382.	3.6	65

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19	PDR16-mediated azole resistance in Candida albicans. Molecular Microbiology, 2006, 60, 1546-1562.	2.5	62
20	Dual oxidases and hydrogen peroxide in a complex dialogue between host mucosae and bacteria. Trends in Molecular Medicine, 2009, 15, 571-579.	6.7	46
21	Autophagy regulates DUOX1 localization and superoxide production in airway epithelial cells during chronic IL-13 stimulation. Redox Biology, 2018, 14, 272-284.	9.0	41
22	The type of DUOX-dependent ROS production is dictated by defined sequences in DUOXA. Experimental Cell Research, 2012, 318, 2353-2364.	2.6	29
23	Thyroid hydrogen peroxide production is enhanced by the Th2 cytokines, IL-4 and IL-13, through increased expression of the dual oxidase 2and its maturation factorDUOXA2. Free Radical Biology and Medicine, 2013, 56, 216-225.	2.9	25
24	Constitutive Activation of the PDR16 Promoter in a Candida albicans Azole-Resistant Clinical Isolate Overexpressing CDR1 and CDR2. Antimicrobial Agents and Chemotherapy, 2004, 48, 2700-2703.	3.2	24
25	Duox1 is the main source of hydrogen peroxide in the rat thyroid cell line PCCl3. Experimental Cell Research, 2007, 313, 3892-3901.	2.6	24
26	DUOX Defects and Their Roles in Congenital Hypothyroidism. Methods in Molecular Biology, 2019, 1982, 667-693.	0.9	22
27	Wide Spectrum of <i>DUOX2</i> Deficiency: From Life-Threatening Compressive Goiter in Infancy to Lifelong Euthyroidism. Thyroid, 2019, 29, 1018-1022.	4.5	16
28	Overexpression of Interleukin-4 in the Thyroid of Transgenic Mice Upregulates the Expression of<i>Duox1</i>and the Anion Transporter Pendrin. Thyroid, 2016, 26, 1499-1512.	4.5	15
29	Guidelines for the Detection of NADPH Oxidases by Immunoblot and RT-qPCR. Methods in Molecular Biology, 2019, 1982, 191-229.	0.9	14
30	Factors contributing to the resistance of the thyrocyte to hydrogen peroxide. Molecular and Cellular Endocrinology, 2019, 481, 62-70.	3.2	14
31	The Dual Oxidase Duox2 stabilized with DuoxA2 in an enzymatic complex at the surface of the cell produces extracellular H2O2 able to induce DNA damage in an inducible cellular model. Experimental Cell Research, 2019, 384, 111620.	2.6	6
32	Inhibition of the thyroid hormonogenic H2O2 production by Duox/DuoxA in zebrafish reveals VAS2870 as a new goitrogenic compound. Molecular and Cellular Endocrinology, 2020, 500, 110635.	3.2	6
33	Dissecting the Role of Thyrotropin in the DNA Damage Response in Human Thyrocytes after 131I, Î³ Radiation and H2O2. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 839-853.	3.6	5