Yvonne M W Janssen-Heininger

List of Publications by Year
in descending order

87 papers	6,483 citations	71102 41 h-index	64796 79 g-index
87 all docs	87 docs citations	87 times ranked	7936 citing authors

#	Article	IF	Citations
1	Redox-based regulation of signal transduction: Principles, pitfalls, and promises. Free Radical Biology and Medicine, 2008, 45, 1-17.	2.9	681
2	Dynamic redox control of NF-ÂB through glutaredoxin-regulated S-glutathionylation of inhibitory ÂB kinase beta. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13086-13091.	7.1	397
3	Inflammatory cytokines inhibit myogenic differentiation through activation of nuclear factorâ€Î°Î'. FASEB Journal, 2001, 15, 1169-1180.	0.5	380
4	Guidelines for measuring reactive oxygen species and oxidative damage in cells and in vivo. Nature Metabolism, 2022, 4, 651-662.	11.9	356
5	Nitric oxide represses inhibitory Î°B kinase through S-nitrosylation. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8945-8950.	7.1	352
6	Redox-Sensitive Kinases of the Nuclear Factor-Î°B Signaling Pathway. Antioxidants and Redox Signaling, 2006, 8, 1791-1806.	5.4	298
7	Cooperativity between Oxidants and Tumor Necrosis Factor in the Activation of Nuclear Factor (NF)- Î° B. American Journal of Respiratory Cell and Molecular Biology, 1999, 20, 942-952.	2.9	195
8	A Prominent Role for Airway Epithelial NF-Î°B Activation in Lipopolysaccharide-Induced Airway Inflammation. Journal of Immunology, 2003, 170, 6257-6265.	0.8	171
9	Hydrogen Peroxide as a Damage Signal in Tissue Injury and Inflammation: Murderer, Mediator, or Messenger?. Journal of Cellular Biochemistry, 2014, 115, 427-435.	2.6	171
10	NF-Î°B Activation in Airways Modulates Allergic Inflammation but Not Hyperresponsiveness. Journal of Immunology, 2004, 173, 7003-7009.	0.8	149
11	Rapid Activation of Nuclear Factor-Î°B in Airway Epithelium in a Murine Model of Allergic Airway Inflammation. American Journal of Pathology, 2002, 160, 1325-1334.	3.8	146
12	Airway epithelial dual oxidase 1 mediates allergen-induced IL-33 secretion and activation of type 2 immune responses. Journal of Allergy and Clinical Immunology, 2016, 137, 1545-1556.e11.	2.9	117
13	Nuclear Factor-Î°B Activation in Airway Epithelium Induces Inflammation and Hyperresponsiveness. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 959-969.	5.6	113
14	Jun N-terminal kinase 1 regulates epithelial-to-mesenchymal transition induced by TGF-Î²1. Journal of Cell Science, 2008, 121, 1036-1045.	2.0	113
15	Redox amplification of apoptosis by caspase-dependent cleavage of glutaredoxin 1 and S-glutathionylation of Fas. Journal of Cell Biology, 2009, 184, 241-252.	5.2	113
16	Apoptosis in lung pathophysiology. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L423-L427.	2.9	112
17	Nuclear Factor ÂB, Airway Epithelium, and Asthma: Avenues for Redox Control. Proceedings of the American Thoracic Society, 2009, 6, 249-255.	3.5	109
18	Oxidative stress in chronic lung disease: From mitochondrial dysfunction to dysregulated redox signaling. Molecular Aspects of Medicine, 2018, 63, 59-69.	6.4	109

#	Article	IF	Citations
19	JNK inhibition reduces lung remodeling and pulmonary fibrotic systemic markers. Clinical and Translational Medicine, 2016, 5, 36.	4.0	88
20	Reducing protein oxidation reverses lung fibrosis. Nature Medicine, 2018, 24, 1128-1135.	30.7	88
21	c-Jun N-Terminal Kinase 1 Is Required for the Development of Pulmonary Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2009, 40, 422-432.	2.9	85
22	Epithelial NF-Î°B Orchestrates House Dust Miteâ€"Induced Airway Inflammation, Hyperresponsiveness, and Fibrotic Remodeling. Journal of Immunology, 2013, 191, 5811-5821.	0.8	76
23	Redox-Based Regulation of Apoptosis: S-Glutathionylation As a Regulatory Mechanism to Control Cell Death. Antioxidants and Redox Signaling, 2012, 16, 496-505.	5.4	74
24	Hydrogen Peroxide Signaling through Tumor Necrosis Factor Receptor 1 Leads to Selective Activation of c-Jun N-terminal Kinase. Journal of Biological Chemistry, 2003, 278, 44091-44096.	3.4	72
25	Inhibition of Arginase Activity Enhances Inflammation in Mice with Allergic Airway Disease, in Association with Increases in Protein <i>S</i>-Nitrosylation and Tyrosine Nitration. Journal of Immunology, 2008, 181, 4255-4264.	0.8	71
26	Airway Epithelial NF-Î°B Activation Promotes Allergic Sensitization to an Innocuous Inhaled Antigen. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 631-638.	2.9	70
27	Arginase Modulates NF-Î°B Activity via a Nitric Oxideâ€"Dependent Mechanism. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 645-653.	2.9	67
28	Modulation of Glutaredoxin-1 Expression in a Mouse Model of Allergic Airway Disease. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 147-151.	2.9	67
29	c-Jun N-Terminal Kinase 1 Promotes Transforming Growth Factorâ€"Î²1â€"Induced Epithelial-to-Mesenchymal Transition via Control of Linker Phosphorylation and Transcriptional Activity of Smad3. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 571-581.	2.9	66
30	Glutathione S-transferase pi modulates NF-Î°B activation and pro-inflammatory responses in lung epithelial cells. Redox Biology, 2016, 8, 375-382.	9.0	64
31	Reactive Nitrogen Species and Cell Signaling. American Journal of Respiratory and Critical Care Medicine, 2002, 166, S9-S16.	5.6	63
32	Ablation of Glutaredoxin-1 Attenuates Lipopolysaccharide-Induced Lung Inflammation and Alveolar Macrophage Activation. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 491-499.	2.9	61
33	In situ detection of S-glutathionylated proteins following glutaredoxin-1 catalyzed cysteine derivatization. Biochimica Et Biophysica Acta - General Subjects, 2006, 1760, 380-387.	2.4	59
34	Reactive Nitrogen Species-Induced Cell Death Requires Fas-Dependent Activation of c-Jun N-Terminal Kinase. Molecular and Cellular Biology, 2004, 24, 6763-6772.	2.3	54
35	Nitrogen dioxide enhances allergic airway inflammation and hyperresponsiveness in the mouse. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 290, L144-L152.	2.9	52
36	The redox mechanism for vascular barrier dysfunction associated with metabolic disorders: Glutathionylation of Rac1 in endothelial cells. Redox Biology, 2016, 9, 306-319.	9.0	51

#	ARTICLE	IF	CITATIONS
37	In situ detection and visualization of S-nitrosylated proteins following chemical derivatization: identification of Ran GTPase as a target for S-nitrosylation. Nitric Oxide - Biology and Chemistry, 2004, 11, 216-227.	2.7	48
38	Activation of the glutaredoxin-1 gene by nuclear factor Î°B enhances signaling. Free Radical Biology and Medicine, 2011, 51, 1249-1257.	2.9	48
39	Oxidative Processing of Latent Fas in the Endoplasmic Reticulum Controls the Strength of Apoptosis. Molecular and Cellular Biology, 2012, 32, 3464-3478.	2.3	48
40	Epigenetic and Transcriptomic Regulation of Lung Repair during Recovery from Influenza Infection. American Journal of Pathology, 2017, 187, 851-863.	3.8	47
41	Protein disulfide isomeraseâ€"endoplasmic reticulum resident protein 57 regulates allergen-induced airways inflammation, fibrosis, and hyperresponsiveness. Journal of Allergy and Clinical Immunology, 2016, 137, 822-832.e7.	2.9	46
42	The role of sulfenic acids in cellular redox signaling: Reconciling chemical kinetics and molecular detection strategies. Archives of Biochemistry and Biophysics, 2017, 616, 40-46.	3.0	43
43	IL-1/inhibitory Î°B kinase Îµâ€"induced glycolysis augment epithelial effector function and promote allergic airways disease. Journal of Allergy and Clinical Immunology, 2018, 142, 435-450.e10.	2.9	41
44	Nitrogen Dioxide Induces Death in Lung Epithelial Cells in a Density-Dependent Manner. American Journal of Respiratory Cell and Molecular Biology, 2001, 24, 583-590.	2.9	39
45	The Effect of Flavored E-cigarettes on Murine Allergic Airways Disease. Scientific Reports, 2019, 9, 13671.	3.3	38
46	Emerging mechanisms of glutathioneâ€dependent chemistry in biology and disease. Journal of Cellular Biochemistry, 2013, 114, 1962-1968.	2.6	36
47	Dysregulation of the glutaredoxin/<i>S-</i>glutathionylation redox axis in lung diseases. American Journal of Physiology - Cell Physiology, 2020, 318, C304-C327.	4.6	36
48	In Situ Analysis of Protein S-Glutathionylation in Lung Tissue Using Glutaredoxin-1-Catalyzed Cysteine Derivatization. American Journal of Pathology, 2009, 175, 36-45.	3.8	35
49	Protocols for the Detection of S-Glutathionylated and S-Nitrosylated Proteins In Situ. Methods in Enzymology, 2010, 474, 289-296.	1.0	34
50	Increased glutaredoxin-1 and decreased protein<i>S</i>-glutathionylation in sputum of asthmatics. European Respiratory Journal, 2013, 41, 469-472.	6.7	34
51	Nonphagocytic Oxidase 1 Causes Death in Lung Epithelial Cells via a TNF-RIâ€"JNK Signaling Axis. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 473-479.	2.9	33
52	Endoplasmic reticulum stress and glutathione therapeutics in chronic lung diseases. Redox Biology, 2020, 33, 101516.	9.0	33
53	Cooperation between Classical and Alternative NF-Î°B Pathways Regulates Proinflammatory Responses in Epithelial Cells. American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 497-508.	2.9	30
54	Induction of a Mesenchymal Expression Program in Lung Epithelial Cells by Wingless Protein (Wnt)/Î²-Catenin Requires the Presence of c-Jun N-Terminal Kinaseâ€"1 (JNK1). American Journal of Respiratory Cell and Molecular Biology, 2012, 47, 306-314.	2.9	30

#	Article	IF	Citations
55	Thiol Redox Chemistry: Role of Protein Cysteine Oxidation and Altered Redox Homeostasis in Allergic Inflammation and Asthma. Journal of Cellular Biochemistry, 2015, 116, 884-892.	2.6	29
56	S-Glutathionylation of estrogen receptor Î± affects dendritic cell function. Journal of Biological Chemistry, 2018, 293, 4366-4380.	3.4	29
57	Pyruvate Kinase M2 Promotes Expression of Proinflammatory Mediators in House Dust Miteâ€“Induced Allergic Airways Disease. Journal of Immunology, 2020, 204, 763-774.	0.8	29
58	Regulation of apoptosis through cysteine oxidation: implications for fibrotic lung disease. Annals of the New York Academy of Sciences, 2010, 1203, 23-28.	3.8	28
59	Identification of DUOX1-dependent redox signaling through protein S-glutathionylation in airway epithelial cells. Redox Biology, 2014, 2, 436-446.	9.0	26
60	Distinct Functions of Airway Epithelial Nuclear Factor-ÎºB Activity Regulate Nitrogen Dioxideâ€“Induced Acute Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2010, 43, 443-451.	2.9	25
61	Absence of c-Jun NH₂-terminal kinase 1 protects against house dust mite-induced pulmonary remodeling but not airway hyperresponsiveness and inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 306, L866-L875.	2.9	25
62	TGF-Î²1-induced deposition of provisional extracellular matrix by tracheal basal cells promotes epithelial-to-mesenchymal transition in a c-Jun NH₂-terminal kinase-1-dependent manner. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 314, L984-L997.	2.9	25
63	Glutathione S-transferases and their implications in the lung diseases asthma and chronic obstructive pulmonary disease: Early life susceptibility?. Redox Biology, 2021, 43, 101995.	9.0	25
64	Peroxiredoxins and Beyond; Redox Systems Regulating Lung Physiology and Disease. Antioxidants and Redox Signaling, 2019, 31, 1070-1091.	5.4	24
65	Glutaredoxin-1 AttenuatesS-Glutathionylation of the Death Receptor Fas and Decreases Resolution ofPseudomonas aeruginosaPneumonia. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 463-474.	5.6	22
66	The glutaredoxin/S-glutathionylation axis regulates interleukin-17A-induced proinflammatory responses in lung epithelial cells in association with S-glutathionylation of nuclear factor ÎºB family proteins. Free Radical Biology and Medicine, 2014, 73, 143-153.	2.9	21
67	Eosinophil peroxidase catalyzes JNK-mediated membrane blebbing in a Rho kinase-dependent manner. Journal of Leukocyte Biology, 2003, 74, 897-907.	3.3	18
68	Genetic ablation of glutaredoxin-1 causes enhanced resolution of airways hyperresponsiveness and mucus metaplasia in mice with allergic airways disease. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L528-L538.	2.9	18
69	Ablation of Glutaredoxin-1 Modulates House Dust Miteâ€“Induced Allergic Airways Disease in Mice. American Journal of Respiratory Cell and Molecular Biology, 2016, 55, 377-386.	2.9	18
70	Airway epithelial specific deletion of Jun-N-terminal kinase 1 attenuates pulmonary fibrosis in two independent mouse models. PLoS ONE, 2020, 15, e0226904.	2.5	17
71	Oxidation of peroxiredoxin-4 induces oligomerization and promotes interaction with proteins governing protein folding and endoplasmic reticulum stress. Journal of Biological Chemistry, 2021, 296, 100665.	3.4	15
72	SOD Inactivation in Asthma. American Journal of Pathology, 2005, 166, 649-652.	3.8	13

#	Article	IF	Citations
73	Age-dependent dysregulation of redox genes may contribute to fibrotic pulmonary disease susceptibility. Free Radical Biology and Medicine, 2019, 141, 438-446.	2.9	12
74	Development of Telintra as an Inhibitor of Glutathione S-Transferase P. Handbook of Experimental Pharmacology, 2020, 264, 71-91.	1.8	10
75	Endothelial cellâ€specific redox gene modulation inhibits angiogenesis but promotes B16F0 tumor growth in mice. FASEB Journal, 2019, 33, 14147-14158.	0.5	9
76	Glutathionylation chemistry promotes interleukinâ€1 betaâ€mediated glycolytic reprogramming and proâ€inflammatory signaling in lung epithelial cells. FASEB Journal, 2021, 35, e21525.	0.5	9
77	Dysregulation of Pyruvate Kinase M2 Promotes Inflammation in a Mouse Model of Obese Allergic Asthma. American Journal of Respiratory Cell and Molecular Biology, 2021, 64, 709-721.	2.9	9
78	Glutaredoxin deficiency promotes activation of the transforming growth factor beta pathway in airway epithelial cells, in association with fibrotic airway remodeling. Redox Biology, 2020, 37, 101720.	9.0	7
79	Macrophage-intrinsic DUOX1 contributes to type 2 inflammation and mucus metaplasia during allergic airway disease. Mucosal Immunology, 2022, 15, 977-989.	6.0	5
80	Downregulation of DUOX1 function contributes to aging-related impairment of innate airway injury responses and accelerated senile emphysema. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L144-L158.	2.9	4
81	Oxidants Are Not All Created Equal. American Journal of Respiratory and Critical Care Medicine, 2009, 179, 627-628.	5.6	1
82	Rust never sleeps: The continuing story of the Iron Bolt. Free Radical Biology and Medicine, 2018, 124, 353-357.	2.9	1
83	Redox mechanisms in pulmonary disease: Emphasis on pulmonary fibrosis. , 2020, , 735-758.		0
84	Title is missing!. , 2020, 15, e0226904.		0
85	Title is missing!. , 2020, 15, e0226904.		0
86	Title is missing!. , 2020, 15, e0226904.		0
87	Title is missing!. , 2020, 15, e0226904.		0