Mark Hannink

List of Publications by Year
in descending order

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64 papers	7,993 citations	101543 36 h-index	133252 59 g-index
65 all docs	65 docs citations	65 times ranked	10235 citing authors

#	Article	IF	Citations
1	Distinct Cysteine Residues in Keap1 Are Required for Keap1-Dependent Ubiquitination of Nrf2 and for Stabilization of Nrf2 by Chemopreventive Agents and Oxidative Stress. Molecular and Cellular Biology, 2003, 23, 8137-8151.	2.3	1,241
2	Keap1 Is a Redox-Regulated Substrate Adaptor Protein for a Cul3-Dependent Ubiquitin Ligase Complex. Molecular and Cellular Biology, 2004, 24, 10941-10953.	2.3	1,083
3	Nrf2 Is a Direct PERK Substrate and Effector of PERK-Dependent Cell Survival. Molecular and Cellular Biology, 2003, 23, 7198-7209.	2.3	1,074
4	Phosphorylation-dependent regulation of cyclin D1 nuclear export and cyclin D1â€“dependent cellular transformation. Genes and Development, 2000, 14, 3102-3114.	5.9	476
5	Structure of the Keap1:Nrf2 interface provides mechanistic insight into Nrf2 signaling. EMBO Journal, 2006, 25, 3605-3617.	7.8	430
6	The v-rel oncogene encodes a ÎºB enhancer binding protein that inhibits NF-ÎºB function. Cell, 1990, 63, 803-814.	28.9	358
7	PGAM5 tethers a ternary complex containing Keap1 and Nrf2 to mitochondria. Experimental Cell Research, 2008, 314, 1789-1803.	2.6	256
8	Ubiquitination of Keap1, a BTB-Kelch Substrate Adaptor Protein for Cul3, Targets Keap1 for Degradation by a Proteasome-independent Pathway. Journal of Biological Chemistry, 2005, 280, 30091-30099.	3.4	251
9	Crystal Structure of the Kelch Domain of Human Keap1. Journal of Biological Chemistry, 2004, 279, 54750-54758.	3.4	193
10	PGAM5, a Bcl-XL-interacting Protein, Is a Novel Substrate for the Redox-regulated Keap1-dependent Ubiquitin Ligase Complex. Journal of Biological Chemistry, 2006, 281, 37893-37903.	3.4	174
11	Docosahexaenoic acid (DHA): An essential nutrient and a nutraceutical for brain health and diseases. Prostaglandins Leukotrienes and Essential Fatty Acids, 2018, 136, 3-13.	2.2	172
12	Nuclear Localization of IÎºBÎ± Is Mediated by the Second Ankyrin Repeat: the IÎºBÎ± Ankyrin Repeats Define a Novel Class of cis-Acting Nuclear Import Sequences. Molecular and Cellular Biology, 1998, 18, 2524-2534.	2.3	142
13	Correlation of 2,3,7,8-Tetrachlorodibenzo-p-dioxin-Induced Apoptotic Cell Death in the Embryonic Vasculature with Embryotoxicity. Toxicology and Applied Pharmacology, 1998, 148, 24-34.	2.8	141
14	Modulation of Phototropic Responsiveness in Arabidopsis through Ubiquitination of Phototropin 1 by the CUL3-Ring E3 Ubiquitin Ligase CRL3NPH3 Â. Plant Cell, 2011, 23, 3627-3640.	6.6	131
15	Quercetin Attenuates Inflammatory Responses in BV-2 Microglial Cells: Role of MAPKs on the Nrf2 Pathway and Induction of Heme Oxygenase-1. PLoS ONE, 2015, 10, e0141509.	2.5	128
16	Concerted Participation of NF-ÎºB and C/EBP Heteromer in Lipopolysaccharide Induction of Serum Amyloid A Gene Expression in Liver. Journal of Biological Chemistry, 1995, 270, 7365-7374.	3.4	107
17	Nitric oxide stimulates heme oxygenase-1 gene transcription via the Nrf2/ARE complex to promote vascular smooth muscle cell survival. Cardiovascular Research, 2007, 75, 381-389.	3.8	106
18	Dihydro-CDDO-Trifluoroethyl Amide (dh404), a Novel Nrf2 Activator, Suppresses Oxidative Stress in Cardiomyocytes. PLoS ONE, 2009, 4, e8391.	2.5	94

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19	Effects of interventions on oxidative stress and inflammation of cardiovascular diseases. World Journal of Cardiology, 2011, 3, 18.	1.5	93
20	CAND1-Mediated Substrate Adaptor Recycling Is Required for Efficient Repression of Nrf2 by Keap1. Molecular and Cellular Biology, 2006, 26, 1235-1244.	2.3	89
21	Fiber Type-Specific Nitric Oxide Protects Oxidative Myofibers against Cachectic Stimuli. PLoS ONE, 2008, 3, e2086.	2.5	70
22	Distinct signaling pathways for induction of type II NOS by IFNÎ³ and LPS in BV-2 microglial cells. Neurochemistry International, 2005, 47, 298-307.	3.8	67
23	Kelch-like homologue 9 mutation is associated with an early onset autosomal dominant distal myopathy. Brain, 2010, 133, 2123-2135.	7.6	67
24	Nuclear Import of IÎºBÎ± Is Accomplished by a Ran-Independent Transport Pathway. Molecular and Cellular Biology, 2000, 20, 1571-1582.	2.3	66
25	The reverse two-hybrid system: a genetic scheme for selection against specific protein/protein interactions. Nucleic Acids Research, 1996, 24, 3341-3347.	14.5	61
26	Withania somnifera and Its Withanolides Attenuate Oxidative and Inflammatory Responses and Up-Regulate Antioxidant Responses in BV-2 Microglial Cells. NeuroMolecular Medicine, 2016, 18, 241-252.	3.4	61
27	Tumor Necrosis Factor-Î±-dependent Activation of a RelA Homodimer in Astrocytes. Journal of Biological Chemistry, 1995, 270, 2703-2707.	3.4	52
28	Radiometal-Labeled Peptideâ^'PNA Conjugates for Targeting bcl-2 Expression:â€‰ Preparation, Characterization, and in Vitro mRNA Binding. Bioconjugate Chemistry, 2002, 13, 1176-1180.	3.6	52
29	Synthesis of Radiometal-Labeled and Fluorescent Cell-Permeating Peptideâ^'PNA Conjugates for Targeting thebcl-2Proto-oncogene. Bioconjugate Chemistry, 2003, 14, 1083-1095.	3.6	47
30	Characterization of the Nuclear Import and Export Functions of IÎºBÎµ. Journal of Biological Chemistry, 2002, 277, 23358-23366.	3.4	47
31	Loss of IÎºBÎ±-Mediated Control over Nuclear Import and DNA Binding Enables Oncogenic Activation of c-Rel. Molecular and Cellular Biology, 1998, 18, 5445-5456.	2.3	46
32	ERRÎ²: A potent inhibitor of Nrf2 transcriptional activity. Molecular and Cellular Endocrinology, 2007, 278, 52-62.	3.2	44
33	Induction of Heme Oxygenase I (HMOX1) by HPP-4382: A Novel Modulator of Bach1 Activity. PLoS ONE, 2014, 9, e101044.	2.5	43
34	Regulation of Subcellular Localization of the Aryl Hydrocarbon Receptor (AhR). Archives of Biochemistry and Biophysics, 2001, 389, 207-217.	3.0	39
35	Conserved solvent and side-chain interactions in the 1.35â€…Ã… structure of the Kelch domain of Keap1. Acta Crystallographica Section D: Biological Crystallography, 2005, 61, 1335-1342.	2.5	39
36	Stress-induced ER to Golgi translocation of ceramide synthase 1 is dependent on proteasomal processing. Experimental Cell Research, 2010, 316, 78-91.	2.6	39

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37	piggyBac Transposon plus Insulators Overcome Epigenetic Silencing to Provide for Stable Signaling Pathway Reporter Cell Lines. PLoS ONE, 2013, 8, e85494.	2.5	35
38	Phytochemicals and botanical extracts regulate NF-ÎºB and Nrf2/ARE reporter activities in DI TNC1 astrocytes. Neurochemistry International, 2016, 97, 49-56.	3.8	35
39	The N-terminal Nuclear Export Sequence of IÎºBÎ± Is Required for RanGTP-dependent Binding to CRM1. Journal of Biological Chemistry, 2001, 276, 23599-23606.	3.4	32
40	Molecular mechanisms that regulate transcription factor localization suggest new targets for drug development. Advanced Drug Delivery Reviews, 2003, 55, 717-731.	13.7	32
41	Gold Nanoparticleâ€“Mediated Detection of Circulating Cancer Cells. Clinics in Laboratory Medicine, 2012, 32, 89-101.	1.4	32
42	Molecular Imaging of bcl-2 Expression in Small Lymphocytic Lymphoma Using ¹¹¹In-Labeled PNAâ€“Peptide Conjugates. Journal of Nuclear Medicine, 2008, 49, 430-438.	5.0	27
43	A Conserved Motif Mediates both Multimer Formation and Allosteric Activation of Phosphoglycerate Mutase 5. Journal of Biological Chemistry, 2014, 289, 25137-25148.	3.4	27
44	HDAC5 catalytic activity suppresses cardiomyocyte oxidative stress and NRF2 target gene expression. Journal of Biological Chemistry, 2019, 294, 8640-8652.	3.4	27
45	Proteomic Analysis of the Effects of Aged Garlic Extract and Its FruArg Component on Lipopolysaccharide-Induced Neuroinflammatory Response in Microglial Cells. PLoS ONE, 2014, 9, e113531.	2.5	24
46	Involvement of lipid mediators on cytokine signaling and induction of secretory phospholipase A2 in immortalized astrocytes (DITNC). Journal of Molecular Neuroscience, 1999, 12, 89-99.	2.3	20
47	Coordinate Regulation of Basal and Cyclic 5â€²-Adenosine Monophosphate (cAMP)-Activated Expression of Human Chorionic Gonadotropin-Î± by Ets-2 and cAMP-Responsive Element Binding Protein. Molecular Endocrinology, 2005, 19, 1049-1066.	3.7	20
48	Disruption of the Keap1-Containing Ubiquitination Complex as an Antioxidant Therapy. Current Topics in Medicinal Chemistry, 2007, 7, 972-978.	2.1	17
49	A threshold nuclear level of the v-Rel oncoprotein is required for transformation of avian lymphocytes. Oncogene, 1997, 14, 2585-2594.	5.9	13
50	Elongation Factor 1 alpha1 and Genes Associated with Usher Syndromes Are Downstream Targets of GBX2. PLoS ONE, 2012, 7, e47366.	2.5	13
51	Crystallization and initial crystallographic analysis of the Kelch domain from human Keap1. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 2346-2348.	2.5	12
52	CRM1-Mediated Nuclear Export Is Present During Porcine Embryogenesis, but Is Not Required for Early Cleavage1. Biology of Reproduction, 2002, 67, 814-819.	2.7	11
53	Effects of Moloney Leukemia Virus 10 Protein on Hepatitis B Virus Infection and Viral Replication. Viruses, 2019, 11, 651.	3.3	10
54	Heme oxygenase promotes Bâ€Rafâ€dependent melanosphere formation. Pigment Cell and Melanoma Research, 2020, 33, 850-868.	3.3	8

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55	From Gigabyte to Kilobyte: A Bioinformatics Protocol for Mining Large RNA-Seq Transcriptomics Data. PLoS ONE, 2015, 10, e0125000.	2.5	7
56	Drug Repositioning and Subgroup Discovery for Precision Medicine Implementation in Triple Negative Breast Cancer. Cancers, 2021, 13, 6278.	3.7	6
57	Assembly of PGAM5 into Multimeric Complexes Provides a Mechanism for Allosteric Regulation of Phosphatase Activity. Methods in Enzymology, 2018, 607, 353-372.	1.0	3
58	N-acetyl cysteine provides partial protection against TCDD-induced lethality in fish embryos. Marine Environmental Research, 1996, 42, 113-118.	2.5	2
59	Regulation of (diâ€hydro) ceramide synthase 1. FASEB Journal, 2008, 22, 299-299.	0.5	1
60	Exploring the molecular genetic foundations of cancer biology and how biomedical advances are made in an advanced undergraduate course. Biochemistry and Molecular Biology Education, 2019, 47, 408-416.	1.2	0
61	Catalytically active HDAC5 suppresses oxidative stress and NRF2-dependent transcription in cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2020, 140, 29.	1.9	0
62	PGAM5, a Bclâ€XLâ€interacting protein, is a novel substrate for the redoxâ€regulated Keap1â€dependent ubiquitin ligase complex.. FASEB Journal, 2007, 21, A1022.	0.5	0
63	Nrf2-inducing and HMG-CoA reductase inhibitory activities of a polyphenol-rich fraction of Guazuma ulmifolia leaves. Asian Pacific Journal of Tropical Biomedicine, 2019, 9, 389.	1.2	0
64	Btm-3566, a Novel Activator of the Mitochondrial Stress Response Promotes Robust Therapeutic Responses in Vitro and In Vivo in Diffuse Large B-Cell Lymphoma. Blood, 2021, 138, 684-684.	1.4	0