Keith P Choe

List of Publications by Year
in descending order

33 papers	3,226 citations	430754 18 h-index	477173 29 g-index
36 all docs	36 docs citations	36 times ranked	3279 citing authors

#	ARTICLE	IF	CITATIONS
1	The Multifunctional Fish Gill: Dominant Site of Gas Exchange, Osmoregulation, Acid-Base Regulation, and Excretion of Nitrogenous Waste. Physiological Reviews, 2005, 85, 97-177.	13.1	2,180
2	The WD40 Repeat Protein WDR-23 Functions with the CUL4/DDB1 Ubiquitin Ligase To Regulate Nuclear Abundance and Activity of SKN-1 in<i>Caenorhabditis elegans</i>. Molecular and Cellular Biology, 2009, 29, 2704-2715.	1.1	161
3	Increased age reduces DAF-16 and SKN-1 signaling and the hormetic response of Caenorhabditis elegans to the xenobiotic juglone. Mechanisms of Ageing and Development, 2009, 130, 357-369.	2.2	98
4	A Damage Sensor Associated with the Cuticle Coordinates Three Core Environmental Stress Responses in<i>Caenorhabditis elegans</i>. Genetics, 2018, 208, 1467-1482.	1.2	84
5	Evolutionarily conserved WNK and Ste20 kinases are essential for acute volume recovery and survival after hypertonic shrinkage in Caenorhabditis elegans. American Journal of Physiology - Cell Physiology, 2007, 293, C915-C927.	2.1	78
6	Genome-wide RNAi screen and in vivo protein aggregation reporters identify degradation of damaged proteins as an essential hypertonic stress response. American Journal of Physiology - Cell Physiology, 2008, 295, C1488-C1498.	2.1	68
7	An Ultra High-Throughput, Whole-Animal Screen for Small Molecule Modulators of a Specific Genetic Pathway in Caenorhabditis elegans. PLoS ONE, 2013, 8, e62166.	1.1	58
8	The Skp1 Homologs SKR-1/2 Are Required for the Caenorhabditis elegans SKN-1 Antioxidant/Detoxification Response Independently of p38 MAPK. PLoS Genetics, 2016, 12, e1006361.	1.5	55
9	Characterization of skn-1/wdr-23 phenotypes in Caenorhabditis elegans; pleiotrophy, aging, glutathione, and interactions with other longevity pathways. Mechanisms of Ageing and Development, 2015, 149, 88-98.	2.2	49
10	Unique structure and regulation of the nematode detoxification gene regulator, SKN-1: implications to understanding and controlling drug resistance. Drug Metabolism Reviews, 2012, 44, 209-223.	1.5	39
11	COX2 in a euryhaline teleost, Fundulus heteroclitus: primary sequence, distribution, localization, and potential function in gills during salinity acclimation. Journal of Experimental Biology, 2006, 209, 1696-1708.	0.8	38
12	Characterization of the Proteostasis Roles of Glycerol Accumulation, Protein Degradation and Protein Synthesis during Osmotic Stress in C. elegans. PLoS ONE, 2012, 7, e34153.	1.1	36
13	High-throughput Screening and Biosensing with Fluorescent C. elegans Strains. Journal of Visualized Experiments, 2011, , .	0.2	35
14	Physiological and molecular mechanisms of salt and water homeostasis in the nematode Caenorhabditis elegans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R175-R186.	0.9	30
15	Gene Duplications and Losses within the Cyclooxygenase Family of Teleosts and Other Chordates. Molecular Biology and Evolution, 2008, 25, 2349-2359.	3.5	25
16	F-Box Protein XREP-4 Is a New Regulator of the Oxidative Stress Response in <i>Caenorhabditis elegans</i>. Genetics, 2017, 206, 859-871.	1.2	23
17	RNA processing errors triggered by cadmium and integrator complex disruption are signals for environmental stress. BMC Biology, 2019, 17, 56.	1.7	23
18	Molecular and genetic characterization of osmosensing and signal transduction in the nematode <i>Caenorhabditis elegans</i>. FEBS Journal, 2007, 274, 5782-5789.	2.2	20

#	ARTICLE	IF	CITATIONS
19	The transcription factor SKN-1 and detoxification gene ugt-22 alter albendazole efficacy in Caenorhabditis elegans. International Journal for Parasitology: Drugs and Drug Resistance, 2018, 8, 312-319.	1.4	19
20	<i>In Vitro</i> and <i>in Vivo</i> Characterization of a Tunable Dual-Reactivity Probe of the Nrf2-ARE Pathway. ACS Chemical Biology, 2013, 8, 1764-1774.	1.6	18
21	Inhibition of the oxidative stress response by heat stress in <i>Caenorhabditis elegans</i>. Journal of Experimental Biology, 2016, 219, 2201-11.	0.8	17
22	Depletion of a nucleolar protein activates xenobiotic detoxification genes in Caenorhabditis elegans via Nrf /SKN-1 and p53/CEP-1. Free Radical Biology and Medicine, 2012, 52, 937-950.	1.3	16
23	Isolation of a Hypomorphic <i>skn-1</i> Allele That Does Not Require a Balancer for Maintenance. G3: Genes, Genomes, Genetics, 2016, 6, 551-558.	0.8	13
24	Direct Interaction between the WD40 Repeat Protein WDR-23 and SKN-1/Nrf Inhibits Binding to Target DNA. Molecular and Cellular Biology, 2014, 34, 3156-3167.	1.1	12
25	Discovery of ML358, a Selective Small Molecule Inhibitor of the SKN-1 Pathway Involved in Drug Detoxification and Resistance in Nematodes. ACS Chemical Biology, 2015, 10, 1871-1879.	1.6	9
26	An extracellular matrix damage sensor signals through membrane-associated kinase DRL-1 to mediate cytoprotective responses in <i>Caenorhabditis elegans</i>. Genetics, 2022, 220, .	1.2	9
27	A Negative-Feedback Loop between the Detoxification/Antioxidant Response Factor SKN-1 and Its Repressor WDR-23 Matches Organism Needs with Environmental Conditions. Molecular and Cellular Biology, 2013, 33, 3524-3537.	1.1	7
28	SKN-1/Nrf, A New Unfolded Protein Response Factor?. PLoS Genetics, 2013, 9, e1003827.	1.5	5
29	Increased expression of , T23F2.4, and in mutants and by high salt. MicroPublication Biology, 2019, 2019, .	0.1	1
30	Synchronous and collaborative online concept mapping of membrane transport. Biochemistry and Molecular Biology Education, 2020, 48, 516-517.	0.5	0
31	Proteostasis in C. elegans is maintained during extreme osmotic stress by reduced translation with resultant increases in molecular chaperone capacity. FASEB Journal, 2012, 26, 881.6.	0.2	0
32	The extracellular matrix signals through protein kinase MEKKâ€3 and transcription factor ATFâ€7 to activate cytoprotective genes. FASEB Journal, 2019, 33, 719.16.	0.2	0
33	Gel-free genotyping of deletion alleles in with real-time PCR. MicroPublication Biology, 2020, 2020, .	0.1	0