Sheryl E Koch

List of Publications by Year
in descending order

30 papers	702 citations	623734 14 h-index	552781 26 g-index
30 all docs	30 docs citations	30 times ranked	1046 citing authors

#	Article	IF	Citations
1	The History and Future of Probenecid. Cardiovascular Toxicology, 2012, 12, 1-9.	2.7	108
2	Splice Variants Reveal the Region Involved in Oxygen Sensing by Recombinant Human L-Type Ca 2+ Channels. Circulation Research, 2000, 87, 537-539.	4.5	76
3	Probenecid: Novel use as a non-injurious positive inotrope acting via cardiac TRPV2 stimulation. Journal of Molecular and Cellular Cardiology, 2012, 53, 134-144.	1.9	75
4	Novel role of transient receptor potential vanilloid 2 in the regulation of cardiac performance. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H574-H584.	3.2	55
5	Molecular Elements of Ion Permeation and Selectivity within Calcium Channels. Critical Reviews in Biochemistry and Molecular Biology, 1999, 34, 181-214.	5.2	49
6	Disruption of Ah Receptor Signaling during Mouse Development Leads to Abnormal Cardiac Structure and Function in the Adult. PLoS ONE, 2015, 10, e0142440.	2.5	42
7	Ah Receptor Signaling Controls the Expression of Cardiac Development and Homeostasis Genes. Toxicological Sciences, 2015, 147, 425-435.	3.1	38
8	Acute consumption of a high-fat diet prior to ischemia-reperfusion results in cardioprotection through NF-Î°B-dependent regulation of autophagic pathways. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1705-H1713.	3.2	29
9	Age- and Gender-Related Changes in Ventricular Performance in Wild-Type FVB/N Mice as Evaluated by Conventional and Vector Velocity Echocardiography Imaging: A Retrospective Study. Ultrasound in Medicine and Biology, 2013, 39, 2034-2043.	1.5	23
10	Transient receptor potential vanilloid 2 function regulates cardiac hypertrophy via stretch-induced activation. Journal of Hypertension, 2017, 35, 602-611.	0.5	23
11	Probenecid Improves Cardiac Function in Patients With Heart Failure With Reduced Ejection Fraction In Vivo and Cardiomyocyte Calcium Sensitivity In Vitro. Journal of the American Heart Association, 2018, 7, .	3.7	23
12	Increased fibrosis and progression to heart failure in MRL mice following ischemia/reperfusion injury. Cardiovascular Pathology, 2014, 23, 327-334.	1.6	22
13	Probenecid as a Noninjurious Positive Inotrope in an Ischemic Heart Disease Murine Model. Journal of Cardiovascular Pharmacology and Therapeutics, 2013, 18, 280-289.	2.0	15
14	Transient Receptor Potential Vanilloid 2 Regulates Myocardial Response to Exercise. PLoS ONE, 2015, 10, e0136901.	2.5	15
15	Cardioprotection via the skin: nociceptor-induced conditioning against cardiac MI in the NIC of time. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H543-H553.	3.2	14
16	The role of transient receptor potential vanilloid 2 channel in cardiac aging. Aging Clinical and Experimental Research, 2017, 29, 863-873.	2.9	12
17	Dilated cardiomyopathy-mediated heart failure induces a unique skeletal muscle myopathy with inflammation. Skeletal Muscle, 2019, 9, 4.	4.2	12
18	Impaired Right Ventricular Calcium Cycling Is an Early Risk Factor in R14del-Phospholamban Arrhythmias. Journal of Personalized Medicine, 2021, 11, 502.	2.5	12

#	Article	IF	Citations
19	Tranilast Blunts the Hypertrophic and Fibrotic Response to Increased Afterload Independent of Cardiomyocyte Transient Receptor Potential Vanilloid 2 Channels. Journal of Cardiovascular Pharmacology, 2018, 72, 40-48.	1.9	9
20	Ah receptor expression in cardiomyocytes protects adult female mice from heart dysfunction induced by TCDD exposure. Toxicology, 2016, 355-356, 9-20.	4.2	8
21	TRPV2 channel-based therapies in the cardiovascular field. Molecular underpinnings of clinically relevant therapies. Progress in Biophysics and Molecular Biology, 2021, 159, 118-125.	2.9	8
22	Dioxin Disrupts Dynamic DNA Methylation Patterns in Genes That Govern Cardiomyocyte Maturation. Toxicological Sciences, 2020, 178, 325-337.	3.1	7
23	Probenecid treatment improves outcomes in a novel mouse model of peripartum cardiomyopathy. PLoS ONE, 2020, 15, e0230386.	2.5	7
24	Role of Known Transient Receptor Potential Vanilloid Channels in Modulating Cardiac Mechanobiology. Frontiers in Physiology, 2021, 12, 734113.	2.8	7
25	Aryl Hydrocarbon Receptor Ablation in Cardiomyocytes Protects Male Mice From Heart Dysfunction Induced by NKX2.5 Haploinsufficiency. Toxicological Sciences, 2017, 160, 74-82.	3.1	5
26	Prenatal exposure to PCBs in Cyp1a2 knockâ€out mice interferes with F 1 fertility, impairs longâ€term potentiation, reduces acoustic startle and impairs conditioned freezing contextual memory with minimal transgenerational effects. Journal of Applied Toxicology, 2019, 39, 603-621.	2.8	4
27	Pharmacologic Inhibition of Pain Response to Incomplete Vascular Occlusion Blunts Cardiovascular Preconditioning Response. Cardiovascular Toxicology, 2021, 21, 889-900.	2.7	3
28	Shear wave elastography in ex vivo and in vivo skin using high-frequency ultrasound imaging. , 2020, , .		1
29	Developmental and lifelong dioxin exposure induces measurable changes in cardiac structure and function in adulthood. Scientific Reports, 2021, 11, 10378.	3.3	0
30	Acute high fat feeding influences cardiac function and confers cardioprotection against ischemic injury. FASEB Journal, 2011, 25, 1085.1.	0.5	0