

Karl F Herold

List of Publications by Year in descending order

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papers

709
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840776

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15
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15
times ranked

1000
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytochemicals Perturb Membranes and Promiscuously Alter Protein Function. ACS Chemical Biology, 2014, 9, 1788-1798.	3.4	241
2	Sodium Channels as Targets for Volatile Anesthetics. Frontiers in Pharmacology, 2012, 3, 50.	3.5	62
3	Comparative Effects of Halogenated Inhaled Anesthetics on Voltage-gated Na ⁺ Channel Function. Anesthesiology, 2009, 110, 582-590.	2.5	61
4	HCN1 Channels as Targets for Anesthetic and Nonanesthetic Propofol Analogs in the Amelioration of Mechanical and Thermal Hyperalgesia in a Mouse Model of Neuropathic Pain. Journal of Pharmacology and Experimental Therapeutics, 2013, 345, 363-373.	2.5	59
5	Thiazolidinedione insulin sensitizers alter lipid bilayer properties and voltage-dependent sodium channel function: implications for drug discovery. Journal of General Physiology, 2011, 138, 249-270.	1.9	48
6	Clinical concentrations of chemically diverse general anesthetics minimally affect lipid bilayer properties. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 3109-3114.	7.1	45
7	Isoflurane Inhibits the Tetrodotoxin-resistant Voltage-gated Sodium Channel Nav1.8. Anesthesiology, 2009, 111, 591-599.	2.5	43
8	Isoflurane modulates activation and inactivation gating of the prokaryotic Na ⁺ channel NaChBac. Journal of General Physiology, 2017, 149, 623-638.	1.9	32
9	Divergent effects of anesthetics on lipid bilayer properties and sodium channel function. European Biophysics Journal, 2017, 46, 617-626.	2.2	30
10	Isoflurane Reversibly Destabilizes Hippocampal Dendritic Spines by an Actin-Dependent Mechanism. PLoS ONE, 2014, 9, e102978.	2.5	28
11	Volatile anesthetics inhibit sodium channels without altering bulk lipid bilayer properties. Journal of General Physiology, 2014, 144, 545-560.	1.9	25
12	Sodium channel subtypes are differentially localized to pre- and postsynaptic sites in rat hippocampus. Journal of Comparative Neurology, 2017, 525, 3563-3578.	1.6	15
13	Differential Inhibition of Neuronal Sodium Channel Subtypes by the General Anesthetic Isoflurane. Journal of Pharmacology and Experimental Therapeutics, 2019, 369, 200-211.	2.5	15
14	Pharmacology of Inhaled Anesthetics. , 2019, , 217-240.		5
15	Mechanisms of Intravenous Anesthetic Action. , 2017, , 79-95.		0