

Felix Neumaier

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Voltage-gated calcium channels: Determinants of channel function and modulation by inorganic cations. <i>Progress in Neurobiology</i> , 2015, 129, 1-36.	2.8	27
2	Surgical Approaches in Psychiatry: A Survey of the World Literature on Psychosurgery. <i>World Neurosurgery</i> , 2017, 97, 603-634.e8.	0.7	18
3	Drug Penetration into the Central Nervous System: Pharmacokinetic Concepts and In Vitro Model Systems. <i>Pharmaceutics</i> , 2021, 13, 1542.	2.0	18
4	Consequences of hyperphosphorylated tau on the morphology and excitability of hippocampal neurons in aged tau transgenic mice. <i>Neurobiology of Aging</i> , 2020, 93, 109-123.	1.5	17
5	Cardiac phenomena during kainic-acid induced epilepsy and lamotrigine antiepileptic therapy. <i>Epilepsy Research</i> , 2014, 108, 666-674.	0.8	15
6	Cav2.3 R-type calcium channels: from its discovery to pathogenic de novo CACNA1E variants: a historical perspective. <i>Pflügers Archiv European Journal of Physiology</i> , 2020, 472, 811-816.	1.3	13
7	Convenient PET-tracer production via SuFEx 18F-fluorination of nanomolar precursor amounts. <i>European Journal of Medicinal Chemistry</i> , 2022, 237, 114383.	2.6	12
8	Microgravity-induced stress mechanisms in human stem cell-derived cardiomyocytes. <i>IScience</i> , 2022, 25, 104577.	1.9	12
9	Electroretinographic Assessment of Inner Retinal Signaling in the Isolated and Superfused Murine Retina. <i>Current Eye Research</i> , 2017, 42, 1518-1526.	0.7	10
10	A practical guide to the preparation and use of metal ion-buffered systems for physiological research. <i>Acta Physiologica</i> , 2018, 222, e12988.	1.8	10
11	Nuclear Medicine in Times of COVID-19: How Radiopharmaceuticals Could Help to Fight the Current and Future Pandemics. <i>Pharmaceutics</i> , 2020, 12, 1247.	2.0	10
12	Reciprocal modulation of Ca ^v 2.3 voltage-gated calcium channels by copper(II) ions and kainic acid. <i>Journal of Neurochemistry</i> , 2018, 147, 310-322.	2.1	9
13	Modulation of Cav2.3 channels by unconjugated bilirubin (UCB) – Candidate mechanism for UCB-induced neuromodulation and neurotoxicity. <i>Molecular and Cellular Neurosciences</i> , 2019, 96, 35-46.	1.0	9
14	Design, synthesis and biological evaluation of Tozadenant analogues as adenosine A2A receptor ligands. <i>European Journal of Medicinal Chemistry</i> , 2021, 214, 113214.	2.6	9
15	Diethyldithiocarbamate-mediated zinc ion chelation reveals role of Cav2.3 channels in glucagon secretion. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 953-964.	1.9	8
16	In vitro and in vivo phosphorylation of the Cav2.3 voltage-gated R-type calcium channel. <i>Channels</i> , 2018, 12, 326-334.	1.5	8
17	Preparation of a First 18F-Labeled Agonist for M1 Muscarinic Acetylcholine Receptors. <i>Molecules</i> , 2020, 25, 2880.	1.7	8
18	[¹⁸ F]ALX5406: A Brain-Penetrating Prodrug for GlyT1-Specific PET Imaging. <i>ACS Chemical Neuroscience</i> , 2021, 12, 3335-3346.	1.7	8

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19	Unconjugated bilirubin modulates neuronal signaling only in wild-type mice, but not after ablation of the $\text{Ca}_v2.3$ voltage-gated calcium channel. <i>CNS Neuroscience and Therapeutics</i> , 2018, 24, 222-230.	1.9	6
20	$\text{Ca}_v2.3$ channel function and Zn^{2+} -induced modulation: potential mechanisms and (patho)physiological relevance. <i>Channels</i> , 2020, 14, 362-379.	1.5	6
21	Zn^{2+} -induced changes in $\text{Cav}2.3$ channel function: An electrophysiological and modeling study. <i>Journal of General Physiology</i> , 2020, 152, .	0.9	6
22	R-Type Voltage-Gated Ca^{2+} Channels in Cardiac and Neuronal Rhythmogenesis. <i>Current Molecular Pharmacology</i> , 2015, 8, 102-108.	0.7	5
23	Protein phosphorylation maintains the normal function of cloned human $\text{Cav}2.3$ channels. <i>Journal of General Physiology</i> , 2018, 150, 491-510.	0.9	5
24	Non-Mendelian inheritance during inbreeding of $\text{Cav}3.2$ and $\text{Cav}2.3$ deficient mice. <i>Scientific Reports</i> , 2020, 10, 15993.	1.6	4
25	Non-invasive Assessment of Neurovascular Coupling After Aneurysmal Subarachnoid Hemorrhage: A Prospective Observational Trial Using Retinal Vessel Analysis. <i>Frontiers in Neurology</i> , 2021, 12, 690183.	1.1	4
26	Evaluation of 3-l- and 3-d-[18F]Fluorophenylalanines as PET Tracers for Tumor Imaging. <i>Cancers</i> , 2021, 13, 6030.	1.7	4
27	In Reply to "Corpus Callosotomy for Drug-Resistant Schizophrenia; Novel Treatment Based on Pathophysiology". <i>World Neurosurgery</i> , 2018, 116, 485.	0.7	3
28	Retinal Vessel Responses to Flicker Stimulation Are Impaired in $\text{Cav}2.3$ -Deficient Mice" An in-vivo Evaluation Using Retinal Vessel Analysis (RVA). <i>Frontiers in Neurology</i> , 2021, 12, 659890.	1.1	3
29	Disturbances of Transretinal Signaling After Ablation of $\text{CaV}2.3$ / R-Type Calcium Channels. <i>Biophysical Journal</i> , 2018, 114, 39a-40a.	0.2	2
30	Changes in endogenous daytime melatonin levels after aneurysmal subarachnoid hemorrhage "Preliminary findings from an observational cohort study. <i>Clinical Neurology and Neurosurgery</i> , 2021, 208, 106870.	0.6	2
31	Experimentally Induced Convulsive Seizures Are Modulated in Part by Zinc Ions through the Pharmacoresistant $\text{Cav}2.3$ Calcium Channel. <i>Cellular Physiology and Biochemistry</i> , 2020, 54, 180-194.	1.1	2
32	Multiple nickel-sensitive targets elicit cardiac arrhythmia in isolated mouse hearts after pituitary adenylate cyclase-activating polypeptide-mediated chronotropy. <i>Pharmacological Research</i> , 2017, 117, 140-147.	3.1	1
33	Intracerebroventricular administration of histidine reduces kainic acid-induced convulsive seizures in mice. <i>Experimental Brain Research</i> , 2019, 237, 2481-2493.	0.7	1
34	Circulatory dipeptidyl peptidase 3 (cDPP3) is a potential biomarker for early detection of secondary brain injury after aneurysmal subarachnoid hemorrhage. <i>Journal of the Neurological Sciences</i> , 2021, 422, 117333.	0.3	1
35	Protein Interaction Partners of $\text{Cav}2.3$ R-Type Voltage-Gated Calcium Channels. , 2013, , 151-174.		1
36	Preparation of 5-[131I]iodotubercidin for the detection of adenosine kinase. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2020, 326, 1691-1697.	0.7	0

#	ARTICLE	IF	CITATIONS
37	Submicromolar copper (II) ions stimulate transretinal signaling in the isolated retina from wild type but not from Cav2.3-deficient mice. BMC Ophthalmology, 2020, 20, 182.	0.6	0