

Jan Matthes

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,109
citations

471509

17
h-index

434195

31
g-index

66
all docs

66
docs citations

66
times ranked

1659
citing authors

#	ARTICLE	IF	CITATIONS
1	Inhibitory effects on L- and N-type calcium channels by a novel CaV β 1 variant identified in a patient with autism spectrum disorder. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2022, 395, 459.	3.0	2
2	A New Homozygous CACNB2 Mutation has Functional Relevance and Supports a Role for Calcium Channels in Autism Spectrum Disorder. <i>Journal of Autism and Developmental Disorders</i> , 2021, 51, 377-381.	2.7	5
3	Aspects of Medication and Patient participation – an Easy guideLine (AMPEL). A conversation guide increases patients' and physicians' satisfaction with prescription talks. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 1757-1767.	3.0	4
4	Depolarization induces nociceptor sensitization by CaV1.2-mediated PKA-II activation. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	2
5	A simulation-based module in pharmacology education reveals and addresses medical students' deficits in leading prescription talks. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 2333-2341.	3.0	2
6	Ca ²⁺ Channel Inhibitors. , 2021, , .		0
7	Autism-associated mutations in the CaV β 2 calcium-channel subunit increase Ba ²⁺ -currents and lead to differential modulation by the RKG-protein Gem. <i>Neurobiology of Disease</i> , 2020, 136, 104721.	4.4	10
8	Direct, gabapentin-insensitive interaction of a soluble form of the calcium channel subunit β 1 with thrombospondin-4. <i>Scientific Reports</i> , 2019, 9, 16272.	3.3	13
9	Single-Channel Resolution of the Interaction between C-Terminal CaV1.3 Isoforms and Calmodulin. <i>Biophysical Journal</i> , 2019, 116, 836-846.	0.5	7
10	Development of perceived pharmacological deficits of medical students and alumni supports claim for continuous and more application-oriented education. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2019, 392, 29-36.	3.0	3
11	"Hopefully, I will never forget that again" - sensitizing medical students for drug safety by working on cases and simulating doctor-patient communication. <i>GMS Journal for Medical Education</i> , 2019, 36, Doc17.	0.1	4
12	Does teaching social and communicative competences influence dental students' attitudes towards learning communication skills? A comparison between two dental schools in Germany. <i>GMS Journal for Medical Education</i> , 2018, 35, Doc18.	0.1	8
13	Medical students' medication communication skills regarding drug prescription – a qualitative analysis of simulated physician-patient consultations. <i>European Journal of Clinical Pharmacology</i> , 2017, 73, 429-435.	1.9	14
14	Beta-adrenergic regulation of the heart expressing the Ser1700A/Thr1704A mutated Cav1.2 channel. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 111, 10-16.	1.9	11
15	Renal Metabolic Programming Is Linked to the Dynamic Regulation of a Leptin-Klf15 Axis and Akt/AMPK Signaling in Male Offspring of Obese Dams. <i>Endocrinology</i> , 2017, 158, 3399-3415.	2.8	14
16	The prescription talk - an approach to teach patient-physician conversation about drug prescription to medical students. <i>GMS Journal for Medical Education</i> , 2017, 34, Doc18.	0.1	7
17	Publication activity in medical education research: A descriptive analysis of submissions to the <i>GMS Zeitschrift für Medizinische Ausbildung</i> in 2007-2015. <i>GMS Journal for Medical Education</i> , 2017, 34, Doc32.	0.1	1
18	A multi-centre student survey on weighing disciplines in medical curricula - a pilot study. <i>GMS Journal for Medical Education</i> , 2017, 34, Doc24.	0.1	6

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19	An expert protocol for immunofluorescent detection of calcium channels in tsA-201 cells. <i>Journal of Pharmacological and Toxicological Methods</i> , 2016, 82, 20-25.	0.7	2
20	A study on effects of and stance over tuition fees. <i>GMS Journal for Medical Education</i> , 2016, 33, Doc6.	0.1	6
21	Peyton's 4-Steps-Approach in comparison: Medium-term effects on learning external chest compression - a pilot study. <i>GMS Journal for Medical Education</i> , 2016, 33, Doc60.	0.1	36
22	In Reply. <i>Deutsches A&#x0308;rzteblatt International</i> , 2016, 113, 299-300.	0.9	0
23	Ventricular L-Type Ca ²⁺ Channels and Expression of RGK Proteins in Mouse Models Associated with Diabetes. <i>Biophysical Journal</i> , 2015, 108, 578a.	0.5	0
24	Robust Generation of Cardiomyocytes from Human iPS Cells Requires Precise Modulation of BMP and WNT Signaling. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 560-569.	5.6	57
25	Lucky guess or knowledge: a cross-sectional study using the Bland and Altman analysis to compare confidence-based testing of pharmacological knowledge in 3rd and 5th year medical students. <i>Advances in Health Sciences Education</i> , 2015, 20, 431-440.	3.3	18
26	Lack of Ca^{2+} leads to dilative cardiomyopathy and increased mortality in Î^2 -adrenoceptor overexpressing mice. <i>Cardiovascular Research</i> , 2015, 108, 348-356.	3.8	9
27	Voltage-gated Calcium Channels and Autism Spectrum Disorders. <i>Current Molecular Pharmacology</i> , 2015, 8, 123-132.	1.5	26
28	Outcome-Relevant Effects of Shared Decision Making. <i>Deutsches A&#x0308;rzteblatt International</i> , 2015, 112, 665-71.	0.9	54
29	"May I help you?" - Evaluation of the new student service at the reception desk during the clinical courses at the Department of Operative Dentistry and Periodontology as a part of a longitudinal curriculum of social and communicative competences for dental students. <i>GMS Zeitschrift F&#x00fcr Medizinische Ausbildung</i> , 2015, 32, Doc31.	1.2	2
30	Rare Mutations of CACNB2 Found in Autism Spectrum Disease-Affected Families Alter Calcium Channel Function. <i>PLoS ONE</i> , 2014, 9, e95579.	2.5	39
31	Spectrum of Cav1.4 dysfunction in congenital stationary night blindness type 2. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2053-2065.	2.6	26
32	Functional Interaction between the N-Termini of Murine L-Type Calcium Channel CaV1.2- and Î^2 -Subunit Splice Variants. <i>Biophysical Journal</i> , 2014, 106, 134a.	0.5	0
33	Auxiliary Î^2 -Subunits of L-Type Ca ²⁺ Channels in Heart Failure. , 2014, , 255-275.		2
34	Improving Adherence With Medication. <i>Deutsches A&#x0308;rzteblatt International</i> , 2014, 111, 41-7.	0.9	42
35	Pharmacoresistant Ca ^v 2.3 (EÄtype/RÄtype) voltage-gated calcium channels influence heart rate dynamics and may contribute to cardiac impulse conduction. <i>Cell Biochemistry and Function</i> , 2013, 31, 434-449.	2.9	17
36	Single-Channel Mechanism of Modulation of Calcium-Dependent Inactivation of the Voltage-Gated Calcium Channel Cav1.3 by its C-Terminus. <i>Biophysical Journal</i> , 2013, 104, 459a.	0.5	0

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37	Acceptance, use and effects of PDF e-books in a course on basic pharmacology. <i>Medical Teacher</i> , 2012, 34, 177-177.	1.8	3
38	Expression Pattern of L-Type Calcium Channel Subunits in Human and Murine Atherosclerosis. <i>Biophysical Journal</i> , 2011, 100, 568a.	0.5	0
39	Effect of MANT-nucleotides on L-type calcium currents in murine cardiomyocytes. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2011, 383, 573-583.	3.0	6
40	Ca ^v 1.2- and Ca ^v 1.3-Specific Regulation of Voltage-Dependent L-Type Calcium Channels in Cardiomyocytes. <i>PLoS ONE</i> , 2011, 6, e24979.	2.5	16
41	Inactivation of L-type calcium channels is determined by the length of the N terminus of mutant Ca ^v 1.2 subunits. <i>Pflügers Archiv European Journal of Physiology</i> , 2010, 459, 399-411.	2.8	17
42	Less is more, or enough is enough? Ca ²⁺ -dependent inactivation revisited. <i>Journal of Physiology</i> , 2010, 588, 15-16.	2.9	1
43	Recommendations for reviewing a manuscript for the <i>GMS Zeitschrift für Medizinische Ausbildung</i> . <i>GMS Zeitschrift für Medizinische Ausbildung</i> , 2010, 27, Doc75.	1.2	6
44	Transgenic simulation of human heart failure-like L-type Ca ²⁺ -channels: implications for fibrosis and heart rate in mice. <i>Cardiovascular Research</i> , 2009, 84, 396-406.	3.8	33
45	Structural and biophysical determinants of single Ca _v 3.1 and Ca _v 3.2 T-type calcium channel inhibition by N2O. <i>Cell Calcium</i> , 2009, 46, 293-302.	2.4	10
46	The semi-structured triple jump—a new assessment tool reflects qualifications of tutors in a PBL course on basic pharmacology. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008, 377, 55-63.	3.0	11
47	Mechanism of Ca ^v 1.2 channel modulation by the amino terminus of cardiac Ca ^v 2.2 subunits. <i>FASEB Journal</i> , 2007, 21, 1527-1538.	0.5	39
48	Functional Adenylyl Cyclase Inhibition in Murine Cardiomyocytes by 2-(3-O-(N-Methylanthraniloyl)-Guanosine 5'-[³ -Thio]triphosphate. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 608-615.	2.5	17
49	Increased Expression of the Auxiliary Ca ^v 2.2-subunit of Ventricular L-type Ca ²⁺ Channels Leads to Single-Channel Activity Characteristic of Heart Failure. <i>PLoS ONE</i> , 2007, 2, e292.	2.5	57
50	Mechanisms of [Ca ²⁺] _i Transient Decrease in Cardiomyopathy of db/db Type 2 Diabetic Mice. <i>Diabetes</i> , 2006, 55, 608-615.	0.6	224
51	Calcium channel function and regulation in Ca ^v 1.2 ^{-/-} and Ca ^v 1.3 ^{-/-} -adrenoceptor transgenic mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004, 369, 490-495.	3.0	4
52	Disturbed atrio-ventricular conduction and normal contractile function in isolated hearts from Ca ^v 1.3-knockout mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004, 369, 554-562.	3.0	44
53	An aqueous extract of the marine sponge <i>Ectyoplasia ferox</i> stimulates L-type Ca ²⁺ -current by direct interaction with the Cav1.2 subunit. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004, 370, 474-483.	3.0	8
54	Ca ²⁺ -dependent modulation of single human cardiac L-type calcium channels by the calcineurin inhibitor cyclosporine. <i>Journal of Molecular and Cellular Cardiology</i> , 2004, 36, 241-255.	1.9	14

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55	Single-channel gating and regulation of human L-type calcium channels in cardiomyocytes of transgenic mice. <i>Biochemical and Biophysical Research Communications</i> , 2004, 314, 878-884.	2.1	14
56	Cardioprotection specific for the G protein Gi2 in chronic adrenergic signaling through Å2-adrenoceptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14475-14480.	7.1	59
57	Single-Channel Pharmacology of Mibefradil in Human Native T-Type and Recombinant Cav3.2 Calcium Channels. <i>Molecular Pharmacology</i> , 2002, 61, 682-694.	2.3	28
58	The influence of tutor qualification on the process and outcome of learning in a problem-based course of basic medical pharmacology. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2002, 366, 58-63.	3.0	29
59	Pharmacodynamic interaction between mibefradil and other calcium channel blockers. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2000, 361, 578-583.	3.0	6
60	The effect of structured aerobic exercise on adherence, body mass index, hemoglobin A1c, and quality of life in type 1 and type 2 diabetes mellitus. <i>Translational Sports Medicine</i> , 0, , .	1.1	0