

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	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
2	Cardioprotection specific for the G protein G_{i2} in chronic adrenergic signaling through β_2 -adrenoceptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14475-14480.	7.1	59
3	Increased Expression of the Auxiliary β_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
4	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
5	Outcome-Relevant Effects of Shared Decision Making. <i>Deutsches A&#x0308;rztblatt International</i> , 2015, 112, 665-71.	0.9	54
6	Disturbed atrio-ventricular conduction and normal contractile function in isolated hearts from $Ca_v1.3$ -knockout mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004, 369, 554-562.	3.0	44
7	Improving Adherence With Medication. <i>Deutsches A&#x0308;rztblatt International</i> , 2014, 111, 41-7.	0.9	42
8	Mechanism of $Ca_v1.2$ channel modulation by the amino terminus of cardiac β_2 α -subunits. <i>FASEB Journal</i> , 2007, 21, 1527-1538.	0.5	39
9	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
10	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
11	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
12	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
13	Single-Channel Pharmacology of Mibefradil in Human Native T-Type and Recombinant $Ca_v3.2$ Calcium Channels. <i>Molecular Pharmacology</i> , 2002, 61, 682-694.	2.3	28
14	Spectrum of $Ca_v1.4$ dysfunction in congenital stationary night blindness type 2. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 2053-2065.	2.6	26
15	Voltage-gated Calcium Channels and Autism Spectrum Disorders. <i>Current Molecular Pharmacology</i> , 2015, 8, 123-132.	1.5	26
16	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
17	Functional Adenylyl Cyclase Inhibition in Murine Cardiomyocytes by 2β - $(3\beta$ -O-(N-Methylanthraniloyl)-Guanosine 5β - $[^{13}C]$ thio]triphosphate. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 321, 608-615.	2.5	17
18	Inactivation of L-type calcium channels is determined by the length of the N terminus of mutant β_2 subunits. <i>Pflugers Archiv European Journal of Physiology</i> , 2010, 459, 399-411.	2.8	17

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19	Pharmacoresistant Ca^{2+} ($E_{Ca^{2+}}/R_{Ca^{2+}}$) 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
20	$G\beta 2$ - and $G\beta 3$ -Specific Regulation of Voltage-Dependent L-Type Calcium Channels in Cardiomyocytes. <i>PLoS ONE</i> , 2011, 6, e24979.	2.5	16
21	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
22	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
23	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
24	Renal Metabolic Programming Is Linked to the Dynamic Regulation of a Leptin-Klf15 Axis and Akt/AMPK β Signaling in Male Offspring of Obese Dams. <i>Endocrinology</i> , 2017, 158, 3399-3415.	2.8	14
25	Direct, gabapentin-insensitive interaction of a soluble form of the calcium channel subunit $\beta 1$ with thrombospondin-4. <i>Scientific Reports</i> , 2019, 9, 16272.	3.3	13
26	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
27	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
28	Structural and biophysical determinants of single Cav3.1 and Cav3.2 T-type calcium channel inhibition by N2O. <i>Cell Calcium</i> , 2009, 46, 293-302.	2.4	10
29	Autism-associated mutations in the Cav $\beta 2$ calcium-channel subunit increase Ba^{2+} -currents and lead to differential modulation by the RGK-protein Gem. <i>Neurobiology of Disease</i> , 2020, 136, 104721.	4.4	10
30	Lack of $G\beta 2$ leads to dilative cardiomyopathy and increased mortality in $\beta 1$ -adrenoceptor overexpressing mice. <i>Cardiovascular Research</i> , 2015, 108, 348-356.	3.8	9
31	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
32	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
33	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
34	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
35	Pharmacodynamic interaction between mibefradil and other calcium channel blockers. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2000, 361, 578-583.	3.0	6
36	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

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37	A study on effects of and stance over tuition fees. <i>GMS Journal for Medical Education</i> , 2016, 33, Doc6.	0.1	6
38	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
39	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
40	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
41	Calcium channel function and regulation in α_1 - and α_2 -adrenoceptor transgenic mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2004, 369, 490-495.	3.0	4
42	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
43	"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
44	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
45	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
46	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
47	Depolarization induces nociceptor sensitization by CaV1.2-mediated PKA-II activation. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	2
48	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
49	Auxiliary β -Subunits of L-Type Ca^{2+} Channels in Heart Failure. , 2014, , 255-275.		2
50	"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 für Medizinische Ausbildung</i> , 2015, 32, Doc31.	1.2	2
51	Inhibitory effects on L- and N-type calcium channels by a novel CaV1.1 variant identified in a patient with autism spectrum disorder. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2022, 395, 459.	3.0	2
52	Less is more, or enough is enough? Ca^{2+} -dependent inactivation revisited. <i>Journal of Physiology</i> , 2010, 588, 15-16.	2.9	1
53	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
54	Expression Pattern of L-Type Calcium Channel Subunits in Human and Murine Atherosclerosis. <i>Biophysical Journal</i> , 2011, 100, 568a.	0.5	0

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55	Single-Channel Mechanism of Modulation of Calcium-Dependent Inactivation of the Voltage-Gated Calcium Channel Cav1.3 by its C-Terminus. Biophysical Journal, 2013, 104, 459a.	0.5	0
56	Functional Interaction between the N-Termini of Murine L-Type Calcium Channel CaV1.2- and β_2 -Subunit Splice Variants. Biophysical Journal, 2014, 106, 134a.	0.5	0
57	Ventricular L-Type Ca ²⁺ Channels and Expression of R GK Proteins in Mouse Models Associated with Diabetes. Biophysical Journal, 2015, 108, 578a.	0.5	0
58	Ca ²⁺ Channel Inhibitors. , 2021, , .		0
59	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. Translational Sports Medicine, 0, , .	1.1	0
60	In Reply. Deutsches Ärzteblatt International, 2016, 113, 299-300.	0.9	0