

Gerhard Rammes

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,202
citations

430874

18
h-index

377865

34
g-index

46
all docs

46
docs citations

46
times ranked

1969
citing authors

#	ARTICLE	IF	CITATIONS
1	Memantine Improves Cognition and Reduces Alzheimer's-Like Neuropathology in Transgenic Mice. <i>American Journal of Pathology</i> , 2010, 176, 870-880.	3.8	188
2	Therapeutic significance of NR2B-containing NMDA receptors and mGluR5 metabotropic glutamate receptors in mediating the synaptotoxic effects of A β -amyloid oligomers on long-term potentiation (LTP) in murine hippocampal slices. <i>Neuropharmacology</i> , 2011, 60, 982-990.	4.1	141
3	Isoflurane Blocks Synaptic Plasticity in the Mouse Hippocampus. <i>Anesthesiology</i> , 2001, 94, 1058-1065.	2.5	119
4	Isoflurane anaesthesia reversibly improves cognitive function and long-term potentiation (LTP) via an up-regulation in NMDA receptor 2B subunit expression. <i>Neuropharmacology</i> , 2009, 56, 626-636.	4.1	94
5	Beta-Site Amyloid Precursor Protein Cleaving Enzyme 1 Inhibition Impairs Synaptic Plasticity via Seizure Protein 6. <i>Biological Psychiatry</i> , 2018, 83, 428-437.	1.3	80
6	Pridopidine stabilizes mushroom spines in mouse models of Alzheimer's disease by acting on the sigma-1 receptor. <i>Neurobiology of Disease</i> , 2019, 124, 489-504.	4.4	56
7	A Hot-Segment-Based Approach for the Design of Cross-Amyloid Interaction Surface Mimics as Inhibitors of Amyloid Self-Assembly. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13095-13100.	13.8	53
8	Activation of mGlu receptors induces LTD without affecting postsynaptic sensitivity of CA1 neurons in rat hippocampal slices. <i>Journal of Physiology</i> , 2003, 546, 455-460.	2.9	46
9	Designed Macrocyclic Peptides as Nanomolar Amyloid Inhibitors Based on Minimal Recognition Elements. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14503-14508.	13.8	36
10	Involvement of GluN2B subunit containing N-methyl-D-aspartate (NMDA) receptors in mediating the acute and chronic synaptotoxic effects of oligomeric amyloid-beta (A β) in murine models of Alzheimer's disease (AD). <i>Neuropharmacology</i> , 2017, 123, 100-115.	4.1	29
11	Long-term diazepam treatment enhances microglial spine engulfment and impairs cognitive performance via the mitochondrial 18kDa translocator protein (TSPO). <i>Nature Neuroscience</i> , 2022, 25, 317-329.	14.8	29
12	MRZ-99030 – A novel modulator of A β aggregation: I – Mechanism of action (MoA) underlying the potential neuroprotective treatment of Alzheimer's disease, glaucoma and age-related macular degeneration (AMD). <i>Neuropharmacology</i> , 2015, 92, 158-169.	4.1	27
13	Modulation of Ligand-gated Ion Channels by Antidepressants and Antipsychotics. <i>Molecular Neurobiology</i> , 2007, 35, 160-174.	4.0	25
14	Intracerebroventricular injection of beta-amyloid in mice is associated with long-term cognitive impairment in the modified hole-board test. <i>Behavioural Brain Research</i> , 2017, 324, 15-20.	2.2	25
15	MRZ-99030 – A novel modulator of A β aggregation: II – Reversal of A β oligomer-induced deficits in long-term potentiation (LTP) and cognitive performance in rats and mice. <i>Neuropharmacology</i> , 2015, 92, 170-182.	4.1	23
16	Preclinical to phase II amyloid beta (A β) peptide modulators under investigation for Alzheimer's disease. <i>Expert Opinion on Investigational Drugs</i> , 2017, 26, 579-592.	4.1	23
17	Cognitive decline in Tg2576 mice shows sex-specific differences and correlates with cerebral amyloid-beta. <i>Behavioural Brain Research</i> , 2019, 359, 408-417.	2.2	23
18	The NMDA receptor antagonist Radiprodil reverses the synaptotoxic effects of different amyloid-beta (A β) species on long-term potentiation (LTP). <i>Neuropharmacology</i> , 2018, 140, 184-192.	4.1	22

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19	Seizure protein 6 controls glycosylation and trafficking of kainate receptor subunits GluK2 and GluK3. <i>EMBO Journal</i> , 2020, 39, e103457.	7.8	20
20	Neramexane: a moderate-affinity NMDA receptor channel blocker: new prospects and indications. <i>Expert Review of Clinical Pharmacology</i> , 2009, 2, 231-238.	3.1	17
21	Propofol and Sevoflurane Differentially Modulate Cortical Depolarization following Electric Stimulation of the Ventrobasal Thalamus. <i>Frontiers in Computational Neuroscience</i> , 2017, 11, 109.	2.1	13
22	C1q, a small molecule with high impact on brain development: putative role for aging processes and the occurrence of Alzheimer's disease. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2021, 271, 809-812.	3.2	13
23	Identification of a Domain which Affects Kinetics and Antagonistic Potency of Clozapine at 5-HT ₃ Receptors. <i>PLoS ONE</i> , 2009, 4, e6715.	2.5	12
24	Desipramine targets astrocytes to attenuate synaptic plasticity via modulation of the ephrinA3/EphA4 signalling. <i>Neuropharmacology</i> , 2016, 105, 154-163.	4.1	11
25	DNA Damage, Neurodegeneration, and Synaptic Plasticity. <i>Neural Plasticity</i> , 2016, 2016, 1-2.	2.2	9
26	Remote and reversible inhibition of neurons and circuits by small molecule induced potassium channel stabilization. <i>Scientific Reports</i> , 2016, 6, 19293.	3.3	9
27	Neuroinflammation and psychiatric disorders: Relevance of C1q, translocator protein (18 kDa) (TSPO), and neurosteroids. <i>World Journal of Biological Psychiatry</i> , 2022, 23, 257-263.	2.6	9
28	The anaesthetic xenon partially restores an amyloid beta-induced impairment in murine hippocampal synaptic plasticity. <i>Neuropharmacology</i> , 2019, 151, 21-32.	4.1	7
29	Pitfalls in isolating lipid rafts. <i>Nature Reviews Neuroscience</i> , 2007, 8, 567-567.	10.2	6
30	Tranexamic acid impairs hippocampal synaptic transmission mediated by gamma aminobutyric acid receptor type A. <i>European Journal of Pharmacology</i> , 2017, 815, 49-55.	3.5	5
31	The A β aggregation modulator MRZ-99030 prevents and even reverses synaptotoxic effects of A β ¹⁻⁴² on LTP even following serial dilution to a 500:1 stoichiometric excess of A β ¹⁻⁴² , suggesting a beneficial prion-like seeding mechanism. <i>Neuropharmacology</i> , 2020, 179, 108267.	4.1	5
32	Neurotoxicity of different amyloid beta subspecies in mice and their interaction with isoflurane anaesthesia. <i>PLoS ONE</i> , 2020, 15, e0242989.	2.5	5
33	Neramexane (merz pharmaceuticals/forest laboratories). <i>IDrugs: the Investigational Drugs Journal</i> , 2006, 9, 128-35.	0.7	5
34	Midazolam at Low Nanomolar Concentrations Affects Long-term Potentiation and Synaptic Transmission Predominantly via the α -Aminobutyric Acid Type A Receptor Subunit in Mice. <i>Anesthesiology</i> , 2022, 136, 954-969.	2.5	5
35	A tribute to Chris Parsons. <i>Neuropharmacology</i> , 2021, 195, 108633.	4.1	2
36	Partial-Brain Radiation-Induced Microvascular Cognitive Impairment in Juvenile Murine Unilateral Hippocampal Synaptic Plasticity. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 747-758.	0.8	2

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37	Morphological Representation of C1q in the Aging Central Nervous System. <i>Pharmacopsychiatry</i> , 2022, 55, 203-210.	3.3	2
38	The Small Molecule GAL-201 Efficiently Detoxifies Soluble Amyloid $\hat{1}^2$ Oligomers: New Approach towards Oral Disease-Modifying Treatment of Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5794.	4.1	2
39	Inhalational Anesthetics Do Not Deteriorate Amyloid- $\hat{1}^2$ -Derived Pathophysiology in Alzheimer's Disease: Investigations on the Molecular, Neuronal, and Behavioral Level. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 1193-1218.	2.6	1
40	Title is missing!. , 2020, 15, e0242989.		0
41	Title is missing!. , 2020, 15, e0242989.		0
42	Title is missing!. , 2020, 15, e0242989.		0
43	Title is missing!. , 2020, 15, e0242989.		0
44	Beta-Site Amyloid Precursor Protein-Cleaving Enzyme Inhibition Partly Restores Sevoflurane-Induced Deficits on Synaptic Plasticity and Spine Loss. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6637.	4.1	0