Gerhard Rammes

List of Publications by Year
in descending order

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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	Neuroinflammation and psychiatric disorders: Relevance of C1q, translocator protein (18â€‰kDa) (TSPO), and neurosteroids. World Journal of Biological Psychiatry, 2022, 23, 257-263.	2.6	9
2	Partial-Brain Radiation-Induced Microvascular Cognitive Impairment in Juvenile Murine Unilateral Hippocampal Synaptic Plasticity. International Journal of Radiation Oncology Biology Physics, 2022, 112, 747-758.	0.8	2
3	Midazolam at Low Nanomolar Concentrations Affects Long-term Potentiation and Synaptic Transmission Predominantly via the Î±1â€“Î³-Aminobutyric Acid Type A Receptor Subunit in Mice. Anesthesiology, 2022, 136, 954-969.	2.5	5
4	Morphological Representation of C1q in the Aging Central Nervous System. Pharmacopsychiatry, 2022, 55, 203-210.	3.3	2
5	Long-term diazepam treatment enhances microglial spine engulfment and impairs cognitive performance via the mitochondrial 18â€‰kDa translocator protein (TSPO). Nature Neuroscience, 2022, 25, 317-329.	14.8	29
6	The Small Molecule GAL-201 Efficiently Detoxifies Soluble Amyloid Î² Oligomers: New Approach towards Oral Disease-Modifying Treatment of Alzheimerâ€™s Disease. International Journal of Molecular Sciences, 2022, 23, 5794.	4.1	2
7	Beta-Site Amyloid Precursor Protein-Cleaving Enzyme Inhibition Partly Restores Sevoflurane-Induced Deficits on Synaptic Plasticity and Spine Loss. International Journal of Molecular Sciences, 2022, 23, 6637.	4.1	0
8	C1q, a small molecule with high impact on brain development: putative role for aging processes and the occurrence of Alzheimerâ€™s disease. European Archives of Psychiatry and Clinical Neuroscience, 2021, 271, 809-812.	3.2	13
9	A tribute to Chris Parsons. Neuropharmacology, 2021, 195, 108633.	4.1	2
10	Inhalational Anesthetics Do Not Deteriorate Amyloid-Î²-Derived Pathophysiology in Alzheimerâ€™s Disease: Investigations on the Molecular, Neuronal, and Behavioral Level. Journal of Alzheimer's Disease, 2021, 84, 1193-1218.	2.6	1
11	The AÎ² aggregation modulator MRZ-99030 prevents and even reverses synaptotoxic effects of AÎ²1-42 on LTP even following serial dilution to a 500:1 stoichiometric excess of AÎ²1-42, suggesting a beneficial prion-like seeding mechanism. Neuropharmacology, 2020, 179, 108267.	4.1	5
12	Seizure protein 6 controls glycosylation and trafficking of kainate receptor subunits GluK2 andÂGluK3. EMBO Journal, 2020, 39, e103457.	7.8	20
13	Neurotoxicity of different amyloid beta subspecies in mice and their interaction with isoflurane anaesthesia. PLoS ONE, 2020, 15, e0242989.	2.5	5
14	Title is missing!. , 2020, 15, e0242989.		0
15	Title is missing!. , 2020, 15, e0242989.		0
16	Title is missing!. , 2020, 15, e0242989.		0
17	Title is missing!. , 2020, 15, e0242989.		0
18	The anaesthetic xenon partially restores an amyloid beta-induced impairment in murine hippocampal synaptic plasticity. Neuropharmacology, 2019, 151, 21-32.	4.1	7

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19	Pridopidine stabilizes mushroom spines in mouse models of Alzheimer's disease by acting on the sigma-1 receptor. Neurobiology of Disease, 2019, 124, 489-504.	4.4	56
20	Cognitive decline in Tg2576 mice shows sex-specific differences and correlates with cerebral amyloid-beta. Behavioural Brain Research, 2019, 359, 408-417.	2.2	23
21	Beta-Site Amyloid Precursor Protein Cleaving Enzyme 1 Inhibition Impairs Synaptic Plasticity via Seizure Protein 6. Biological Psychiatry, 2018, 83, 428-437.	1.3	80
22	The NMDA receptor antagonist Radiprodil reverses the synaptotoxic effects of different amyloid-beta (AÎ²) species on long-term potentiation (LTP). Neuropharmacology, 2018, 140, 184-192.	4.1	22
23	Designed Macrocyclic Peptides as Nanomolar Amyloid Inhibitors Based on Minimal Recognition Elements. Angewandte Chemie - International Edition, 2018, 57, 14503-14508.	13.8	36
24	Involvement of GluN2B subunit containing N-methyl- d -aspartate (NMDA) receptors in mediating the acute and chronic synaptotoxic effects of oligomeric amyloid-beta (AÎ²) in murine models of Alzheimer's disease (AD). Neuropharmacology, 2017, 123, 100-115.	4.1	29
25	Intracerebroventricular injection of beta-amyloid in mice is associated with long-term cognitive impairment in the modified hole-board test. Behavioural Brain Research, 2017, 324, 15-20.	2.2	25
26	Preclinical to phase II amyloid beta (A_{Î²}) peptide modulators under investigation for Alzheimerâ€™s disease. Expert Opinion on Investigational Drugs, 2017, 26, 579-592.	4.1	23
27	Tranexamic acid impairs hippocampal synaptic transmission mediated by gamma aminobutyric acid receptor type A. European Journal of Pharmacology, 2017, 815, 49-55.	3.5	5
28	Propofol and Sevoflurane Differentially Modulate Cortical Depolarization following Electric Stimulation of the Ventrobasal Thalamus. Frontiers in Computational Neuroscience, 2017, 11, 109.	2.1	13
29	DNA Damage, Neurodegeneration, and Synaptic Plasticity. Neural Plasticity, 2016, 2016, 1-2.	2.2	9
30	Remote and reversible inhibition of neurons and circuits by small molecule induced potassium channel stabilization. Scientific Reports, 2016, 6, 19293.	3.3	9
31	Desipramine targets astrocytes to attenuate synaptic plasticity via modulation of the ephrinA3/EphA4 signalling. Neuropharmacology, 2016, 105, 154-163.	4.1	11
32	A Hotâ€Segmentâ€Based Approach for the Design of Crossâ€Amyloid Interaction Surface Mimics as Inhibitors of Amyloid Selfâ€Assembly. Angewandte Chemie - International Edition, 2015, 54, 13095-13100.	13.8	53
33	MRZ-99030 â€“ A novel modulator of AÎ² aggregation: II â€“ Reversal ofÂAÎ² oligomer-induced deficits in long-term potentiation (LTP) andÂcognitive performance in rats and mice. Neuropharmacology, 2015, 92, 170-182.	4.1	23
34	MRZ-99030 â€“ A novel modulator of AÎ² aggregation: I â€“ Mechanism of action (MoA) underlying the potential neuroprotective treatment of Alzheimer's disease, glaucoma and age-related macular degeneration (AMD). Neuropharmacology, 2015, 92, 158-169.	4.1	27
35	Therapeutic significance of NR2B-containing NMDA receptors and mGluR5 metabotropic glutamate receptors in mediating the synaptotoxic effects of Î²-amyloid oligomers on long-term potentiation (LTP) in murine hippocampal slices. Neuropharmacology, 2011, 60, 982-990.	4.1	141
36	Memantine Improves Cognition and Reduces Alzheimerâ€™s-Like Neuropathology in Transgenic Mice. American Journal of Pathology, 2010, 176, 870-880.	3.8	188

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37	Identification of a Domain which Affects Kinetics and Antagonistic Potency of Clozapine at 5-HT3 Receptors. PLoS ONE, 2009, 4, e6715.	2.5	12
38	Neramexane: a moderate-affinity NMDA receptor channel blocker: new prospects and indications. Expert Review of Clinical Pharmacology, 2009, 2, 231-238.	3.1	17
39	Isoflurane anaesthesia reversibly improves cognitive function and long-term potentiation (LTP) via an up-regulation in NMDA receptor 2B subunit expression. Neuropharmacology, 2009, 56, 626-636.	4.1	94
40	Pitfalls in isolating lipid rafts. Nature Reviews Neuroscience, 2007, 8, 567-567.	10.2	6
41	Modulation of Ligand-gated Ion Channels by Antidepressants and Antipsychotics. Molecular Neurobiology, 2007, 35, 160-174.	4.0	25
42	Neramexane (merz pharmaceuticals/forest laboratories). IDrugs: the Investigational Drugs Journal, 2006, 9, 128-35.	0.7	5
43	Activation of mGlu receptors induces LTD without affecting postsynaptic sensitivity of CA1 neurons in rat hippocampal slices. Journal of Physiology, 2003, 546, 455-460.	2.9	46
44	Isoflurane Blocks Synaptic Plasticity in the Mouse Hippocampus. Anesthesiology, 2001, 94, 1058-1065.	2.5	119