Rafal M Kaminski

List of Publications by Year
in descending order

41 papers	2,543 citations	201575 27 h-index	276775 41 g-index
42 all docs	42 docs citations	42 times ranked	3611 citing authors

#	Article	IF	Citations
1	Allopregnanolone Analogs That Positively Modulate GABAA Receptors Protect against Partial Seizures Induced by 6-Hz Electrical Stimulation in Mice. Epilepsia, 2004, 45, 864-867.	2.6	167
2	Systems genetics identifies Sestrin 3 as a regulator of a proconvulsant gene network in human epileptic hippocampus. Nature Communications, 2015, 6, 6031.	5.8	158
3	SV2A protein is a broad-spectrum anticonvulsant target: Functional correlation between protein binding and seizure protection in models of both partial and generalized epilepsy. Neuropharmacology, 2008, 54, 715-720.	2.0	151
4	Brivaracetam: Rationale for discovery and preclinical profile of a selective <scp>SV</scp>2A ligand for epilepsy treatment. Epilepsia, 2016, 57, 538-548.	2.6	137
5	Systems genetics identifies a convergent gene network for cognition and neurodevelopmental disease. Nature Neuroscience, 2016, 19, 223-232.	7.1	131
6	Neuroinflammatory targets and treatments for epilepsy validated in experimental models. Epilepsia, 2017, 58, 27-38.	2.6	131
7	Synaptic Vesicle Glycoprotein 2A Ligands in the Treatment of Epilepsy and Beyond. CNS Drugs, 2016, 30, 1055-1077.	2.7	119
8	Nrf2 defense pathway: Experimental evidence for its protective role in epilepsy. Annals of Neurology, 2013, 74, 560-568.	2.8	105
9	Rapid epileptogenesis in the mouse pilocarpine model: Video-EEG, pharmacokinetic and histopathological characterization. Experimental Neurology, 2012, 238, 156-167.	2.0	100
10	Proepileptic phenotype of SV2Aâ€deficient mice is associated with reduced anticonvulsant efficacy of levetiracetam. Epilepsia, 2009, 50, 1729-1740.	2.6	97
11	Anticonvulsant Activity of Androsterone and Etiocholanolone. Epilepsia, 2005, 46, 819-827.	2.6	93
12	Opportunities for improving animal welfare in rodent models of epilepsy and seizures. Journal of Neuroscience Methods, 2016, 260, 2-25.	1.3	93
13	The Potential of Antiseizure Drugs and Agents that Act on Novel Molecular Targets as Antiepileptogenic Treatments. Neurotherapeutics, 2014, 11, 385-400.	2.1	76
14	Rare and common epilepsies converge on a shared gene regulatory network providing opportunities for novel antiepileptic drug discovery. Genome Biology, 2016, 17, 245.	3.8	75
15	A systems-level framework for drug discovery identifies Csf1R as an anti-epileptic drug target. Nature Communications, 2018, 9, 3561.	5.8	75
16	Genome-wide analysis of differential RNA editing in epilepsy. Genome Research, 2017, 27, 440-450.	2.4	73
17	Finding a better drug for epilepsy: Preclinical screening strategies and experimental trial design. Epilepsia, 2012, 53, 1860-1867.	2.6	69
18	Different MicroRNA Profiles in Chronic Epilepsy Versus Acute Seizure Mouse Models. Journal of Molecular Neuroscience, 2015, 55, 466-479.	1.1	63

#	Article	IF	Citations
19	Repurposed molecules for antiepileptogenesis: Missing an opportunity to prevent epilepsy?. Epilepsia, 2020, 61, 359-386.	2.6	57
20	n-3 Docosapentaenoic acid-derived protectin D1 promotes resolution of neuroinflammation and arrests epileptogenesis. Brain, 2018, 141, 3130-3143.	3.7	55
21	Genetic deletion of the norepinephrine transporter decreases vulnerability to seizures. Neuroscience Letters, 2005, 382, 51-55.	1.0	43
22	Low potency and limited efficacy of antiepileptic drugs in the mouse 6Hz corneal kindling model. Epilepsy Research, 2014, 108, 675-683.	0.8	43
23	Genetic background of mice strongly influences treatment resistance in the 6ÂHz seizure model. Epilepsia, 2015, 56, 310-318.	2.6	42
24	Cross-species pharmacological characterization of the allylglycine seizure model in mice and larval zebrafish. Epilepsy and Behavior, 2015, 45, 53-63.	0.9	41
25	Electrical, molecular and behavioral effects of interictal spiking in the rat. Neurobiology of Disease, 2012, 47, 92-101.	2.1	40
26	Effects of chronic treatment with levetiracetam on hippocampal field responses after pilocarpine-induced status epilepticus in rats. Brain Research Bulletin, 2008, 77, 282-285.	1.4	37
27	The Pheromone Androstenol (5Î±-Androst-16-en-3Î±-ol) Is a Neurosteroid Positive Modulator of GABAA Receptors. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 694-703.	1.3	31
28	Inhibition of glutamate decarboxylase (GAD) by ethyl ketopentenoate (EKP) induces treatment-resistant epileptic seizures in zebrafish. Scientific Reports, 2017, 7, 7195.	1.6	28
29	Intrinsic Inflammation Is a Potential Anti-Epileptogenic Target in the Organotypic Hippocampal Slice Model. Neurotherapeutics, 2018, 15, 470-488.	2.1	27
30	Pharmacological Profile of the Novel Antiepileptic Drug Candidate Padsevonil: Characterization in Rodent Seizure and Epilepsy Models. Journal of Pharmacology and Experimental Therapeutics, 2020, 372, 11-20.	1.3	27
31	Pharmacological Profile of the Novel Antiepileptic Drug Candidate Padsevonil: Interactions with Synaptic Vesicle 2 Proteins and the GABAA Receptor. Journal of Pharmacology and Experimental Therapeutics, 2020, 372, 1-10.	1.3	25
32	Brivaracetam does not alter spatial learning and memory in both normal and amygdala-kindled rats. Epilepsy Research, 2010, 91, 74-83.	0.8	22
33	Anticonvulsant and antiepileptogenic effects of system xcâ˜ inactivation in chronic epilepsy models. Epilepsia, 2019, 60, 1412-1423.	2.6	20
34	Pharmacological and genetic manipulation of kappa opioid receptors: Effects on cocaine- and pentylenetetrazol-induced convulsions and seizure kindling. Neuropharmacology, 2007, 52, 895-903.	2.0	18
35	Effects of Cocaine-Kindling on the Expression of NMDA Receptors and Glutamate Levels in Mouse Brain. Neurochemical Research, 2011, 36, 146-152.	1.6	17
36	A systems-level framework for anti-epilepsy drug discovery. Neuropharmacology, 2020, 170, 107868.	2.0	15

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37	Status epilepticus induction has prolonged effects on the efficacy of antiepileptic drugs in the 6-Hz seizure model. Epilepsy and Behavior, 2015, 49, 55-60.	0.9	13
38	Padsevonil randomized Phase IIa trial in treatment-resistant focal epilepsy: a translational approach. Brain Communications, 2020, 2, fcaa183.	1.5	11
39	11-Deoxycortisol impedes GABAergic neurotransmission and induces drug-resistant status epilepticus in mice. Neuropharmacology, 2011, 60, 1098-1108.	2.0	10
40	Targeting SV2A for discovery of antiepileptic drugs. Epilepsia, 2010, 51, 83-83.	2.6	6
41	Connectivity Mapping Using a Novel sv2a Loss-of-Function Zebrafish Epilepsy Model as a Powerful Strategy for Anti-epileptic Drug Discovery. Frontiers in Molecular Neuroscience, 2022, 15, .	1.4	2