Raymond Dingledine

List of Publications by Year
in descending order

58 papers	3,223 citations	218677 26 h-index	155660 55 g-index
67 all docs	67 docs citations	67 times ranked	4057 citing authors

#	Article	IF	Citations
1	Transcriptional repression by REST: recruitment of Sin3A and histone deacetylase to neuronal genes. Nature Neuroscience, 1999, 2, 867-872.	14.8	360
2	Neuronal and glial pathological changes during epileptogenesis in the mouse pilocarpine model. Experimental Neurology, 2003, 182, 21-34.	4.1	352
3	Infiltrating monocytes promote brain inflammation and exacerbate neuronal damage after status epilepticus. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E5665-74.	7.1	266
4	Commonalities in epileptogenic processes from different acute brain insults: Do they translate?. Epilepsia, 2018, 59, 37-66.	5.1	206
5	Phenylethanolamines inhibit NMDA receptors by enhancing proton inhibition. Nature Neuroscience, 1998, 1, 659-667.	14.8	193
6	When and How Do Seizures Kill Neurons, and Is Cell Death Relevant to Epileptogenesis?. Advances in Experimental Medicine and Biology, 2014, 813, 109-122.	1.6	160
7	Long-Term Depression in Hippocampal Interneurons: Joint Requirement for Pre- and Postsynaptic Events. Science, 1999, 285, 1411-1414.	12.6	144
8	Inhibition of the prostaglandin receptor EP2 following status epilepticus reduces delayed mortality and brain inflammation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3591-3596.	7.1	139
9	Neuroinflammatory targets and treatments for epilepsy validated in experimental models. Epilepsia, 2017, 58, 27-38.	5.1	131
10	GENETIC REGULATION OF GLUTAMATE RECEPTOR ION CHANNELS. Annual Review of Pharmacology and Toxicology, 1999, 39, 221-241.	9.4	98
11	EP2 Receptor Signaling Pathways Regulate Classical Activation of Microglia. Journal of Biological Chemistry, 2013, 288, 9293-9302.	3.4	87
12	Therapeutic window for cyclooxygenase-2 related anti-inflammatory therapy after status epilepticus. Neurobiology of Disease, 2015, 76, 126-136.	4.4	84
13	Immunity and inflammation in status epilepticus and its sequelae: possibilities for therapeutic application. Expert Review of Neurotherapeutics, 2015, 15, 1081-1092.	2.8	84
14	Inhibition of the prostaglandin EP2 receptor is neuroprotective and accelerates functional recovery in a rat model of organophosphorus induced status epilepticus. Neuropharmacology, 2015, 93, 15-27.	4.1	74
15	Candidate Drug Targets for Prevention or Modification of Epilepsy. Annual Review of Pharmacology and Toxicology, 2015, 55, 229-247.	9.4	71
16	Inhibition of the prostaglandin E2 receptor EP2 prevents status epilepticus-induced deficits in the novel object recognition task in rats. Neuropharmacology, 2016, 110, 419-430.	4.1	65
17	Transcriptional profile of hippocampal dentate granule cells in four rat epilepsy models. Scientific Data, 2017, 4, 170061.	5.3	47
18	A mouse model of seizures in antiâ€“<i>N</i>â€methylâ€<scp>d</scp>â€aspartate receptor encephalitis. Epilepsia, 2019, 60, 452-463.	5.1	46

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19	The COX-2/prostanoid signaling cascades in seizure disorders. Expert Opinion on Therapeutic Targets, 2019, 23, 1-13.	3.4	46
20	Suppressing pro-inflammatory prostaglandin signaling attenuates excitotoxicity-associated neuronal inflammation and injury. Neuropharmacology, 2019, 149, 149-160.	4.1	42
21	EP2 Receptor Signaling Regulates Microglia Death. Molecular Pharmacology, 2015, 88, 161-170.	2.3	38
22	A rat model of organophosphate-induced status epilepticus and the beneficial effects of EP2 receptor inhibition. Neurobiology of Disease, 2020, 133, 104399.	4.4	36
23	Peripheral Glutamate Receptors: Molecular Biology and Role in Taste Sensation. Journal of Nutrition, 2000, 130, 1039S-1042S.	2.9	31
24	The prostaglandin EP1 receptor potentiates kainate receptor activation via a protein kinase C pathway and exacerbates status epilepticus. Neurobiology of Disease, 2014, 70, 74-89.	4.4	31
25	5xFAD Mice Display Sex-Dependent Inflammatory Gene Induction During the Prodromal Stage of Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2019, 70, 1259-1274.	2.6	30
26	Reduction in delayed mortality and subtle improvement in retrograde memory performance in pilocarpineâ€treated mice with conditional neuronal deletion of cyclooxygenaseâ€2 gene. Epilepsia, 2012, 53, 1411-1420.	5.1	29
27	Development of second generation EP2 antagonists with high selectivity. European Journal of Medicinal Chemistry, 2014, 82, 521-535.	5.5	29
28	Beneficial Outcome of Urethane Treatment Following Status Epilepticus in a Rat Organophosphorus Toxicity Model. ENeuro, 2018, 5, ENEURO.0070-18.2018.	1.9	25
29	Potent, Selective, Water Soluble, Brain-Permeable EP2 Receptor Antagonist for Use in Central Nervous System Disease Models. Journal of Medicinal Chemistry, 2020, 63, 1032-1050.	6.4	21
30	Peripheral Myeloid Cell EP2 Activation Contributes to the Deleterious Consequences of Status Epilepticus. Journal of Neuroscience, 2021, 41, 1105-1117.	3.6	20
31	Peripherally Restricted, Highly Potent, Selective, Aqueous-Soluble EP2 Antagonist with Anti-Inflammatory Properties. Molecular Pharmaceutics, 2018, 15, 5809-5817.	4.6	19
32	Discovery of 2-Piperidinyl Phenyl Benzamides and Trisubstituted Pyrimidines as Positive Allosteric Modulators of the Prostaglandin Receptor EP2. ACS Chemical Neuroscience, 2018, 9, 699-707.	3.5	18
33	2014 Epilepsy Benchmarks Area IV: Limit or Prevent Adverse Consequence of Seizures and Their Treatment across the Lifespan. Epilepsy Currents, 2016, 16, 198-205.	0.8	17
34	2014 Epilepsy Benchmarks: Progress and Opportunities. Epilepsy Currents, 2016, 16, 179-181.	0.8	16
35	Seizures and memory impairment induced by patientâ€derived antiâ€Nâ€methylâ€Dâ€aspartate receptor antibodies in mice are attenuated by anakinra, an interleukinâ€1 receptor antagonist. Epilepsia, 2021, 62, 671-682.	5.1	15
36	A Novel Second-Generation EP2 Receptor Antagonist Reduces Neuroinflammation and Gliosis After Status Epilepticus in Rats. Neurotherapeutics, 2021, 18, 1207-1225.	4.4	14

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37	Comparison of neuropathology in rats following status epilepticus induced by diisopropylfluorophosphate and soman. NeuroToxicology, 2021, 83, 14-27.	3.0	14
38	A systems approach identifies Enhancer of Zeste Homolog 2 (EZH2) as a protective factor in epilepsy. PLoS ONE, 2019, 14, e0226733.	2.5	12
39	2014 Epilepsy Benchmarks Area II: Prevent Epilepsy and Its Progression. Epilepsy Currents, 2016, 16, 187-191.	0.8	11
40	Inhibition of the prostaglandin EP2 receptor prevents long-term cognitive impairment in a model of systemic inflammation. Brain, Behavior, & Immunity - Health, 2020, 8, 100132.	2.5	11
41	2014 Epilepsy Benchmarks Area III: Improve Treatment Options for Controlling Seizures and Epilepsy-Related Conditions without Side Effects. Epilepsy Currents, 2016, 16, 192-197.	0.8	10
42	An Agonist Dependent Allosteric Antagonist of Prostaglandin EP2 Receptors. ACS Chemical Neuroscience, 2020, 11, 1436-1446.	3.5	10
43	2014 Epilepsy Benchmarks Area I: Understanding the Causes of the Epilepsies and Epilepsy-Related Neurologic, Psychiatric, and Somatic Conditions. Epilepsy Currents, 2016, 16, 182-186.	0.8	9
44	Novel Microglia Cell Line Expressing the Human EP2 Receptor. ACS Chemical Neuroscience, 2019, 10, 4280-4292.	3.5	8
45	Urethane attenuates early neuropathology of diisopropylfluorophosphate-induced status epilepticus in rats. Neurobiology of Disease, 2020, 140, 104863.	4.4	8
46	Ethylatropine Bromide as a Peripherally Restricted Muscarinic Antagonist. ACS Chemical Neuroscience, 2017, 8, 712-717.	3.5	7
47	Why Is It so Hard to Do Good Science?. ENeuro, 2018, 5, ENEURO.0188-18.2018.	1.9	6
48	Monoclonal Antibodies From Anti-NMDA Receptor Encephalitis Patient as a Tool to Study Autoimmune Seizures. Frontiers in Neuroscience, 2021, 15, 710650.	2.8	6
49	Glutamatergic mechanisms related to epilepsy: Ionotropic receptors. Epilepsia, 2010, 51, 15-15.	5.1	5
50	Second-Generation Prostaglandin Receptor EP2 Antagonist, TG8-260, with High Potency, Selectivity, Oral Bioavailability, and Anti-Inflammatory Properties. ACS Pharmacology and Translational Science, 2022, 5, 118-133.	4.9	5
51	Pharmacological antagonism of EP2 receptor does not modify basal cardiovascular and respiratory function, blood cell counts, and bone morphology in animal models. Biomedicine and Pharmacotherapy, 2022, 147, 112646.	5.6	5
52	Time-dependent neuropathology in rats following organophosphate-induced status epilepticus. NeuroToxicology, 2022, 91, 45-59.	3.0	5
53	The First 50 Years of Molecular Pharmacology. Molecular Pharmacology, 2015, 88, 139-140.	2.3	4
54	Prostaglandin EP2 receptor antagonist ameliorates neuroinflammation in a two-hit mouse model of Alzheimerâ€™s disease. Journal of Neuroinflammation, 2021, 18, 273.	7.2	2

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55	Presynaptic Inhibitory Effects of Acetylcholine in the Hippocampus: A 40-Year Evolution of a Serendipitous Finding. Journal of Neuroscience, 2021, 41, 4550-4555.	3.6	1
56	A systems approach identifies Enhancer of Zeste Homolog 2 (EZH2) as a protective factor in epilepsy. , 2019, 14, e0226733.		0
57	A systems approach identifies Enhancer of Zeste Homolog 2 (EZH2) as a protective factor in epilepsy. , 2019, 14, e0226733.		0
58	A systems approach identifies Enhancer of Zeste Homolog 2 (EZH2) as a protective factor in epilepsy. , 2019, 14, e0226733.		0