

# Shilpa D Kadam

## List of Publications by Year in descending order

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52  
papers

1,427  
citations

361413

20  
h-index

345221

36  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1990  
citing authors

#	ARTICLE	IF	CITATIONS
1	Noninvasive Targeted Transcranial Neuromodulation via Focused Ultrasound Gated Drug Release from Nanoemulsions. <i>Nano Letters</i> , 2017, 17, 652-659.	9.1	140
2	Efficient unsupervised algorithms for the detection of seizures in continuous EEG recordings from rats after brain injury. <i>Journal of Neuroscience Methods</i> , 2006, 152, 255-266.	2.5	128
3	Continuous Electroencephalographic Monitoring with Radio-Telemetry in a Rat Model of Perinatal Hypoxia-Ischemia Reveals Progressive Post-Stroke Epilepsy. <i>Journal of Neuroscience</i> , 2010, 30, 404-415.	3.6	127
4	Off-Label Use of Bumetanide for Brain Disorders: An Overview. <i>Frontiers in Neuroscience</i> , 2019, 13, 310.	2.8	77
5	Methodological standards and interpretation of video-electroencephalography in adult control rodents. AA&lt;sc>TASK&/sc>1&lt;sc>WG&/sc>1 report of the &lt;sc>AES&/sc>/&lt;sc>ILAE&/sc> Translational Task&lt;sc>Force&/sc> of the ILAE. <i>Epilepsia</i> , 2017, 58, 10-27.	5.1	67
6	Neonatal Seizures: Impact on Neurodevelopmental Outcomes. <i>Frontiers in Pediatrics</i> , 2015, 3, 101.	1.9	54
7	Neuropathological features of a rat model for perinatal hypoxic-ischemic encephalopathy with associated epilepsy. <i>Journal of Comparative Neurology</i> , 2007, 505, 716-737.	1.6	50
8	The pharmacokinetics of commonly used antiepileptic drugs in immature CD1 mice. <i>NeuroReport</i> , 2010, 21, 452-456.	1.2	50
9	Neurogenesis and neuronal commitment following ischemia in a new mouse model for neonatal stroke. <i>Brain Research</i> , 2008, 1208, 35-45.	2.2	47
10	Age- and sex-dependent susceptibility to phenobarbital-resistant neonatal seizures: role of chloride co-transporters. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 173.	3.7	47
11	Twenty-four hour quantitative-EEG and in-vivo glutamate biosensor detects activity and circadian rhythm dependent biomarkers of pathogenesis in <i>Mecp2</i> null mice. <i>Frontiers in Systems Neuroscience</i> , 2014, 8, 118.	2.5	45
12	Chronic brain injury and behavioral impairments in a mouse model of term neonatal strokes. <i>Behavioural Brain Research</i> , 2009, 197, 77-83.	2.2	41
13	Gabapentin Neuroprotection and Seizure Suppression in Immature Mouse Brain Ischemia. <i>Pediatric Research</i> , 2008, 64, 81-85.	2.3	40
14	Transcranial Recording of Electrophysiological Neural Activity in the Rodent Brain in vivo Using Functional Photoacoustic Imaging of Near-Infrared Voltage-Sensitive Dye. <i>Frontiers in Neuroscience</i> , 2019, 13, 579.	2.8	40
15	Low-Dose Perampanel Rescues Cortical Gamma Dysregulation Associated With Parvalbumin Interneuron GluA2 Upregulation in Epileptic <i>Syngap1</i> <sup>+/-</sup> Mice. <i>Biological Psychiatry</i> , 2020, 87, 829-842.	1.3	34
16	Rett Syndrome and CDKL5 Deficiency Disorder: From Bench to Clinic. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5098.	4.1	30
17	Heightened Delta Power during Slow-Wave-Sleep in Patients with Rett Syndrome Associated with Poor Sleep Efficiency. <i>PLoS ONE</i> , 2015, 10, e0138113.	2.5	29
18	Dose-dependent reversal of KCC2 hypofunction and phenobarbital-resistant neonatal seizures by ANA12. <i>Scientific Reports</i> , 2018, 8, 11987.	3.3	28

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19	Circadian cycle-dependent EEG biomarkers of pathogenicity in adult mice following prenatal exposure to in utero inflammation. <i>Neuroscience</i> , 2014, 275, 305-313.	2.3	25
20	Acute TrkB inhibition rescues phenobarbital-resistant seizures in a mouse model of neonatal ischemia. <i>European Journal of Neuroscience</i> , 2015, 42, 2792-2804.	2.6	25
21	Neonatal Stroke in Mice Causes Long-Term Changes in Neuronal Notch-2 Expression That May Contribute to Prolonged Injury. <i>Stroke</i> , 2010, 41, S64-71.	2.0	23
22	Different effects of high- and low-dose phenobarbital on post-stroke seizure suppression and recovery in immature CD1 mice. <i>Epilepsy Research</i> , 2011, 94, 138-148.	1.6	23
23	Transcranial photoacoustic imaging of NMDA-evoked focal circuit dynamics in the rat hippocampus. <i>Journal of Neural Engineering</i> , 2020, 17, 025001.	3.5	21
24	Functional integration of new neurons into hippocampal networks and poststroke comorbidities following neonatal stroke in mice. <i>Epilepsy and Behavior</i> , 2010, 18, 344-357.	1.7	20
25	Impact of trichostatin A and sodium valproate treatment on post-stroke neurogenesis and behavioral outcomes in immature mice. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 123.	3.7	19
26	Sleep dysfunction following neonatal ischemic seizures are differential by neonatal age of insult as determined by qEEG in a mouse model. <i>Neurobiology of Disease</i> , 2018, 116, 1-12.	4.4	16
27	TrkB agonists prevent postischemic emergence of refractory neonatal seizures in mice. <i>JCI Insight</i> , 2020, 5, .	5.0	16
28	Sex-Dependent Signaling Pathways Underlying Seizure Susceptibility and the Role of Chloride Cotransporters. <i>Cells</i> , 2019, 8, 448.	4.1	15
29	Pharmacoresistant Neonatal Seizures: Critical Mechanistic Insights from a Chemoconvulsant Model. <i>Developmental Neurobiology</i> , 2018, 78, 1117-1130.	3.0	14
30	<sc>WONOE</sc> appraisal: New genetic approaches to study epilepsy. <i>Epilepsia</i> , 2014, 55, 1170-1186.	5.1	13
31	Pre-Clinical Models of Acquired Neonatal Seizures: Differential Effects of Injury on Function of Chloride Co-Transporters. <i>Austin Journal of Cerebrovascular Disease &amp; Stroke</i> , 2014, 1, .	0.2	13
32	Systemic Injection of CD34+ Enriched Human Cord Blood Cells Modulates Poststroke Neural and Glial Response in a Sex-Dependent Manner in CD1 Mice. <i>Stem Cells and Development</i> , 2015, 24, 51-66.	2.1	12
33	Targeting ischemia-induced KCC2 hypofunction rescues refractory neonatal seizures and mitigates epileptogenesis in a mouse model. <i>Science Signaling</i> , 2021, 14, eabg2648.	3.6	12
34	Poststroke subgranular and rostral subventricular zone proliferation in a mouse model of neonatal stroke. <i>Journal of Neuroscience Research</i> , 2009, 87, 2653-2666.	2.9	11
35	Intellectual and Developmental Disabilities Research Centers: A Multidisciplinary Approach to Understand the Pathogenesis of Methyl-CpG Binding Protein 2-related Disorders. <i>Neuroscience</i> , 2020, 445, 190-206.	2.3	11
36	Temporal- and Location-Specific Alterations of the GABA Recycling System in Mecp2 KO Mouse Brains. <i>Journal of Central Nervous System Disease</i> , 2014, 6, JCNDS.S14012.	1.9	10

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37	Cell proliferation and oxidative stress pathways are modified in fibroblasts from Sturge-Weber syndrome patients. Archives of Dermatological Research, 2012, 304, 229-235.	1.9	8
38	Altered Postnatal Cell Proliferation in Brains of Mouse Pups Prenatally Exposed to IgG from Mothers of Children with Autistic Disorder. Journal of Experimental Neuroscience, 2013, 7, JEN.S12979.	2.3	8
39	Rescue of PB-resistant neonatal seizures with single-dose of small-molecule TrkB antagonist show long-term benefits. Epilepsy Research, 2020, 159, 106249.	1.6	8
40	Temporal progression of evoked field potentials in neocortical slices after unilateral hypoxia-ischemia in perinatal rats: Correlation with cortical epileptogenesis. Neuroscience, 2016, 316, 232-248.	2.3	7
41	Novel Concepts for the Role of Chloride Cotransporters in Refractory Seizures. , 2021, 12, 1056.		4
42	The involvement of neuronal chloride transporter deficiencies in epilepsy. , 2020, , 329-366.		3
43	Brain-Derived Neurotrophic Factor in Neonatal Seizures. Pediatric Neurology, 2021, 118, 35-39.	2.1	2
44	Perinatal Hypoxic-Ischemic Encephalopathy: A Model of Stroke-Induced Pediatric Epilepsy. , 2017, , 713-725.		1
45	You Snooze You Seize: GABAergic Potentiation of Genetic Generalized Seizures During NREM. Epilepsy Currents, 2021, 21, 153575972110124.	0.8	1
46	Targeting Epileptogenesis: A Conceptual Black Hole or Light at the End of the Tunnel?. Epilepsy Currents, 2021, 21, 372-375.	0.8	1
47	Neuronal Superhubs: Elite Networks that Rule Synchrony. Epilepsy Currents, 2022, 22, 66-68.	0.8	1
48	Notice of Removal: Real-time recording of neuronal voltage membrane variation during seizure using transcranial photoacoustic voltage-sensitive dye imaging. , 2017, , .		0
49	Protocol for Drug Screening with Quantitative Video-Electroencephalography in a Translational Model of Refractory Neonatal Seizures. Neuromethods, 2021, , 201-217.	0.3	0
50	Symphony Conductors Lose the Baton: Role of Fast-Spiking Interneurons in Orchestrating DS. Epilepsy Currents, 2021, 21, 192-193.	0.8	0
51	Abstract 2344: Video-EEG Reveals Subclinical Ischemic Seizures And Limited Efficacy Of Phenobarbital In Neonatal Mice. Stroke, 2012, 43, .	2.0	0
52	Interictal Discharges: All Roads Lead to Rome?. Epilepsy Currents, 0, , 153575972210988.	0.8	0