

# Samba Reddy

## List of Publications by Citations

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90  
papers

4,739  
citations

42  
h-index

67  
g-index

93  
ext. papers

5,278  
ext. citations

4.8  
avg, IF

6.59  
L-index

#	Paper	IF	Citations
90	Neurosteroids: endogenous role in the human brain and therapeutic potentials. <i>Progress in Brain Research</i> , <b>2010</b> , 186, 113-37	2.9	367
89	Possible role of nitric oxide in the nootropic and anti-amnesic effects of neurosteroids on aging- and dizocilpine-induced learning impairment. <i>Brain Research</i> , <b>1998</b> , 799, 215-29	3.7	171
88	Neurosteroid interactions with synaptic and extrasynaptic GABA(A) receptors: regulation of subunit plasticity, phasic and tonic inhibition, and neuronal network excitability. <i>Psychopharmacology</i> , <b>2013</b> , 230, 151-88	4.7	155
87	Experimental models of status epilepticus and neuronal injury for evaluation of therapeutic interventions. <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 18284-318	6.3	149
86	Differential anxiolytic effects of neurosteroids in the mirrored chamber behavior test in mice. <i>Brain Research</i> , <b>1997</b> , 752, 61-71	3.7	141
85	Anticonvulsant activity of progesterone and neurosteroids in progesterone receptor knockout mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2004</b> , 310, 230-9	4.7	137
84	Sigma (sigma 1) receptor mediated anti-depressant-like effects of neurosteroids in the Porsolt forced swim test. <i>NeuroReport</i> , <b>1998</b> , 9, 3069-73	1.7	129
83	The testosterone-derived neurosteroid androstenediol is a positive allosteric modulator of GABA(A) receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2010</b> , 334, 1031-41	4.7	125
82	Anxiolytic activity of progesterone in progesterone receptor knockout mice. <i>Neuropharmacology</i> , <b>2005</b> , 48, 14-24	5.5	122
81	The role of neurosteroids in the pathophysiology and treatment of catamenial epilepsy. <i>Epilepsy Research</i> , <b>2009</b> , 85, 1-30	3	121
80	Neurosteroid withdrawal model of perimenstrual catamenial epilepsy. <i>Epilepsia</i> , <b>2001</b> , 42, 328-36	6.4	115
79	Hippocampal neurodegeneration, spontaneous seizures, and mossy fiber sprouting in the F344 rat model of temporal lobe epilepsy. <i>Journal of Neuroscience Research</i> , <b>2006</b> , 83, 1088-105	4.4	111
78	Role of neurosteroids in catamenial epilepsy. <i>Epilepsy Research</i> , <b>2004</b> , 62, 99-118	3	108
77	Testosterone modulation of seizure susceptibility is mediated by neurosteroids 3alpha-androstenediol and 17beta-estradiol. <i>Neuroscience</i> , <b>2004</b> , 129, 195-207	3.9	108
76	Neurosteroid replacement therapy for catamenial epilepsy. <i>Neurotherapeutics</i> , <b>2009</b> , 6, 392-401	6.4	107
75	Clinical Potential of Neurosteroids for CNS Disorders. <i>Trends in Pharmacological Sciences</i> , <b>2016</b> , 37, 543-561	10.2	105
74	Is there a physiological role for the neurosteroid THDOC in stress-sensitive conditions?. <i>Trends in Pharmacological Sciences</i> , <b>2003</b> , 24, 103-6	13.2	101

73	Enhanced anticonvulsant activity of neuroactive steroids in a rat model of catamenial epilepsy. <i>Epilepsia</i> , <b>2001</b> , 42, 337-44	6.4	92
72	Sex and estrous cycle-dependent changes in neurosteroid and benzodiazepine effects on food consumption and plus-maze learning behaviors in rats. <i>Pharmacology Biochemistry and Behavior</i> , <b>1999</b> , 62, 53-60	3.9	82
71	The effects of neurosteroids on acquisition and retention of a modified passive-avoidance learning task in mice. <i>Brain Research</i> , <b>1998</b> , 791, 108-16	3.7	80
70	The Pharmacological Basis of Cannabis Therapy for Epilepsy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2016</b> , 357, 45-55	4.7	75
69	The role of GABA-A and mitochondrial diazepam-binding inhibitor receptors on the effects of neurosteroids on food intake in mice. <i>Psychopharmacology</i> , <b>1998</b> , 137, 391-400	4.7	73
68	Clinical pharmacokinetic interactions between antiepileptic drugs and hormonal contraceptives. <i>Expert Review of Clinical Pharmacology</i> , <b>2010</b> , 3, 183-192	3.8	71
67	Role of GABA-A and mitochondrial diazepam binding inhibitor receptors in the anti-stress activity of neurosteroids in mice. <i>Psychopharmacology</i> , <b>1996</b> , 128, 280-92	4.7	71
66	Ganaxolone suppression of behavioral and electrographic seizures in the mouse amygdala kindling model. <i>Epilepsy Research</i> , <b>2010</b> , 89, 254-60	3	67
65	Estrous cycle regulation of extrasynaptic $\beta$ -containing GABA(A) receptor-mediated tonic inhibition and limbic epileptogenesis. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2013</b> , 346, 146-60	4.7	64
64	Neurosteroid withdrawal regulates GABA-A receptor $\beta$ -subunit expression and seizure susceptibility by activation of progesterone receptor-independent early growth response factor-3 pathway. <i>Neuroscience</i> , <b>2010</b> , 170, 865-80	3.9	63
63	Anticonvulsant activity of the testosterone-derived neurosteroid 3alpha-androstanediol. <i>NeuroReport</i> , <b>2004</b> , 15, 515-8	1.7	59
62	Midazolam as an anticonvulsant antidote for organophosphate intoxication--A pharmacotherapeutic appraisal. <i>Epilepsia</i> , <b>2015</b> , 56, 813-21	6.4	57
61	Genetic and Molecular Regulation of Extrasynaptic GABA-A Receptors in the Brain: Therapeutic Insights for Epilepsy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2018</b> , 364, 180-197	4.7	57
60	Role of anticonvulsant and antiepileptogenic neurosteroids in the pathophysiology and treatment of epilepsy. <i>Frontiers in Endocrinology</i> , <b>2011</b> , 2, 38	5.7	56
59	Development and persistence of limbic epileptogenesis are impaired in mice lacking progesterone receptors. <i>Journal of Neuroscience</i> , <b>2011</b> , 31, 650-8	6.6	56
58	Neuroendocrine aspects of catamenial epilepsy. <i>Hormones and Behavior</i> , <b>2013</b> , 63, 254-66	3.7	52
57	Novel therapeutic approaches for disease-modification of epileptogenesis for curing epilepsy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2017</b> , 1863, 1519-1538	6.9	51
56	Neurosteroid Structure-Activity Relationships for Functional Activation of Extrasynaptic $\beta$ GABA(A) Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2016</b> , 357, 188-204	4.7	51

55	The Utility of Cannabidiol in the Treatment of Refractory Epilepsy. <i>Clinical Pharmacology and Therapeutics</i> , <b>2017</b> , 101, 182-184	6.1	50
54	Neuroendocrinological aspects of epilepsy: important issues and trends in future research. <i>Epilepsy and Behavior</i> , <b>2011</b> , 22, 94-102	3.2	50
53	Physiological role of adrenal deoxycorticosterone-derived neuroactive steroids in stress-sensitive conditions. <i>Neuroscience</i> , <b>2006</b> , 138, 911-20	3.9	48
52	Perimenstrual-like hormonal regulation of extrasynaptic $\alpha$ -containing GABAA receptors mediating tonic inhibition and neurosteroid sensitivity. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 14181-97	6.6	47
51	Role of hormones and neurosteroids in epileptogenesis. <i>Frontiers in Cellular Neuroscience</i> , <b>2013</b> , 7, 115	6.1	46
50	Disease-modifying activity of progesterone in the hippocampus kindling model of epileptogenesis. <i>Neuropharmacology</i> , <b>2010</b> , 59, 573-81	5.5	45
49	Ganaxolone: A prospective overview. <i>Drugs of the Future</i> , <b>2004</b> , 29, 227	2.3	43
48	Neurosteroids and their role in sex-specific epilepsies. <i>Neurobiology of Disease</i> , <b>2014</b> , 72 Pt B, 198-209	7.5	42
47	Neurostereology protocol for unbiased quantification of neuronal injury and neurodegeneration. <i>Frontiers in Aging Neuroscience</i> , <b>2015</b> , 7, 196	5.3	40
46	Midazolam-Resistant Seizures and Brain Injury after Acute Intoxication of Diisopropylfluorophosphate, an Organophosphate Pesticide and Surrogate for Nerve Agents. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2018</b> , 367, 302-321	4.7	39
45	Development of neurosteroid-based novel psychotropic drugs. <i>Progress in Medicinal Chemistry</i> , <b>2000</b> , 37, 135-75	7.3	37
44	A resurging boom in new drugs for epilepsy and brain disorders. <i>Expert Review of Clinical Pharmacology</i> , <b>2018</b> , 11, 27-45	3.8	36
43	A mouse kindling model of perimenstrual catamenial epilepsy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2012</b> , 341, 784-93	4.7	36
42	Role of cardiac renin-angiotensin system in the development of pressure-overload left ventricular hypertrophy in rats with abdominal aortic constriction. <i>Molecular and Cellular Biochemistry</i> , <b>1996</b> , 155, 1-11	4.2	34
41	Current pharmacotherapy of attention deficit hyperactivity disorder. <i>Drugs of Today</i> , <b>2013</b> , 49, 647-65	2.5	32
40	Epigenetic Histone Deacetylation Inhibition Prevents the Development and Persistence of Temporal Lobe Epilepsy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2018</b> , 364, 97-109	4.7	31
39	The optimization of TaqMan real-time RT-PCR assay for transcriptional profiling of GABA-A receptor subunit plasticity. <i>Journal of Neuroscience Methods</i> , <b>2009</b> , 181, 58-66	3	30
38	Mass spectrometric assay and physiological-pharmacological activity of androgenic neurosteroids. <i>Neurochemistry International</i> , <b>2008</b> , 52, 541-53	4.4	28

37	Extrasynaptic $\beta$ -aminobutyric acid type A receptor-mediated sex differences in the antiseizure activity of neurosteroids in status epilepticus and complex partial seizures. <i>Epilepsia</i> , <b>2019</b> , 60, 730-743	6.4	27
36	Neurocysticercosis as an infectious acquired epilepsy worldwide. <i>Seizure: the Journal of the British Epilepsy Association</i> , <b>2017</b> , 52, 176-181	3.2	26
35	Antiseizure Activity of Midazolam in Mice Lacking $\beta$ -Subunit Extrasynaptic GABA(A) Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2015</b> , 353, 517-28	4.7	26
34	Zinc Selectively Blocks Neurosteroid-Sensitive Extrasynaptic $\alpha$ -GABA Receptors in the Hippocampus. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 8070-7	6.6	25
33	Prospects of modeling poststroke epileptogenesis. <i>Journal of Neuroscience Research</i> , <b>2017</b> , 95, 1000-1014	4.4	24
32	The neuroendocrine basis of sex differences in epilepsy. <i>Pharmacology Biochemistry and Behavior</i> , <b>2017</b> , 152, 97-104	3.9	24
31	Finasteride inhibits the disease-modifying activity of progesterone in the hippocampus kindling model of epileptogenesis. <i>Epilepsy and Behavior</i> , <b>2012</b> , 25, 92-7	3.2	23
30	Anesthetic effects of progesterone are undiminished in progesterone receptor knockout mice. <i>Brain Research</i> , <b>2005</b> , 1033, 96-101	3.7	23
29	Seizure facilitating activity of the oral contraceptive ethinyl estradiol. <i>Epilepsy Research</i> , <b>2016</b> , 121, 29-33	3.3	22
28	GABA-A Receptors Mediate Tonic Inhibition and Neurosteroid Sensitivity in the Brain. <i>Vitamins and Hormones</i> , <b>2018</b> , 107, 177-191	2.5	20
27	Neurosteroids for the potential protection of humans against organophosphate toxicity. <i>Annals of the New York Academy of Sciences</i> , <b>2016</b> , 1378, 25-32	6.5	19
26	3-Methyl-Neurosteroid Analogs Are Preferential Positive Allosteric Modulators and Direct Activators of Extrasynaptic $\beta$ -Subunit $\alpha$ -Aminobutyric Acid Type A Receptors in the Hippocampus Dentate Gyrus Subfield. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2018</b> , 365, 583-601	4.7	18
25	Catamenial Epilepsy: Discovery of an Extrasynaptic Molecular Mechanism for Targeted Therapy. <i>Frontiers in Cellular Neuroscience</i> , <b>2016</b> , 10, 101	6.1	18
24	Isobolographic Analysis of Antiseizure Activity of the GABA Type A Receptor-Modulating Synthetic Neurosteroids Brexanolone and Ganaxolone with Tiagabine and Midazolam. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2020</b> , 372, 285-298	4.7	17
23	The pathophysiological and pharmacological basis of current drug treatment of migraine headache. <i>Expert Review of Clinical Pharmacology</i> , <b>2013</b> , 6, 271-88	3.8	14
22	Measuring Histone Deacetylase Inhibition in the Brain. <i>Current Protocols in Pharmacology</i> , <b>2018</b> , 81, e41	4.1	13
21	PR-independent neurosteroid regulation of $\alpha$ -GABA-A receptors in the hippocampus subfields. <i>Brain Research</i> , <b>2017</b> , 1659, 142-147	3.7	11
20	Do oral contraceptives increase epileptic seizures?. <i>Expert Review of Neurotherapeutics</i> , <b>2017</b> , 17, 129-134	4.3	11

19	Atomic Force Microscopy Protocol for Measurement of Membrane Plasticity and Extracellular Interactions in Single Neurons in Epilepsy. <i>Frontiers in Aging Neuroscience</i> , <b>2016</b> , 8, 88	5.3	11
18	Neuroendocrine aspects of improving sleep in epilepsy. <i>Epilepsy Research</i> , <b>2018</b> , 147, 32-41	3	11
17	Catamenial-like seizure exacerbation in mice with targeted ablation of extrasynaptic $\alpha$ 1GABA-A receptors in the brain. <i>Journal of Neuroscience Research</i> , <b>2017</b> , 95, 1906-1916	4.4	10
16	Neurosteroids as endogenous regulators of seizure susceptibility and use in the treatment of epilepsy. <i>Epilepsia</i> , <b>2010</b> , 51, 84	6.4	10
15	Zinc reduces antiseizure activity of neurosteroids by selective blockade of extrasynaptic GABA-A receptor-mediated tonic inhibition in the hippocampus. <i>Neuropharmacology</i> , <b>2019</b> , 148, 244-256	5.5	10
14	Differential anesthetic activity of ketamine and the GABAergic neurosteroid allopregnanolone in mice lacking progesterone receptor A and B subtypes. <i>Methods and Findings in Experimental and Clinical Pharmacology</i> , <b>2007</b> , 29, 659-64		8
13	Phenobarbital as alternate anticonvulsant for organophosphate-induced benzodiazepine-refractory status epilepticus and neuronal injury. <i>Epilepsia Open</i> , <b>2020</b> , 5, 198-212	4	7
12	Atomic force microscopy investigations of fibronectin and $\beta$ 1-integrin signaling in neuroplasticity and seizure susceptibility in experimental epilepsy. <i>Epilepsy Research</i> , <b>2017</b> , 138, 71-80	3	7
11	Inhibition of neuronal nitric oxide synthase (n-cNOS) reverses the corticotrophin-induced behavioral effects in rats. <i>Molecular and Cellular Biochemistry</i> , <b>1998</b> , 183, 25-38	4.2	7
10	Magnetic resonance imaging analysis of long-term neuropathology after exposure to the nerve agent soman: correlation with histopathology and neurological dysfunction. <i>Annals of the New York Academy of Sciences</i> , <b>2020</b> , 1480, 116-135	6.5	7
9	Role of $\alpha$ 1-specific GABA-A receptor isoforms in the development of hippocampus kindling epileptogenesis. <i>Epilepsy and Behavior</i> , <b>2018</b> , 82, 57-63	3.2	6
8	Molecular mechanisms of sex differences in epilepsy and seizure susceptibility in chemical, genetic and acquired epileptogenesis. <i>Neuroscience Letters</i> , <b>2021</b> , 750, 135753	3.3	6
7	Comparative profile of refractory status epilepticus models following exposure of cholinergic agents pilocarpine, DFP, and soman. <i>Neuropharmacology</i> , <b>2021</b> , 191, 108571	5.5	5
6	An enigmatic role of tonic inhibition in gabapentin therapy. <i>EBioMedicine</i> , <b>2019</b> , 42, 14-15	8.8	2
5	Brain structural and neuroendocrine basis of sex differences in epilepsy. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , <b>2020</b> , 175, 223-233	3	2
4	Post-Traumatic Epilepsy and Comorbidities: Advanced Models, Molecular Mechanisms, Biomarkers, and Novel Therapeutic Interventions.. <i>Pharmacological Reviews</i> , <b>2022</b> , 74, 387-438	22.5	2
3	Neurosteroid replacement therapy for catamenial epilepsy, postpartum depression and neuroendocrine disorders in women. <i>Journal of Neuroendocrinology</i> , <b>2021</b> , e13028	3.8	1
2	Long-term changes in neuroimaging markers, cognitive function and psychiatric symptoms in an experimental model of Gulf War Illness. <i>Life Sciences</i> , <b>2021</b> , 285, 119971	6.8	1

- 1 Response to: Birth control in epilepsy: we need to know moreZ *Expert Review of Neurotherapeutics*,  
2017, 17, 523 43