

# Samia Regiane Joca

## List of Publications by Year in descending order

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Version: 2024-02-01

102  
papers

3,887  
citations

117571

34  
h-index

143943

57  
g-index

126  
all docs

126  
docs citations

126  
times ranked

4056  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antidepressant-like effects of cannabidiol in mice: possible involvement of 5-HT <sub>1A</sub> receptors. <i>British Journal of Pharmacology</i> , 2010, 159, 122-128.	2.7	304
2	5-HT <sub>1A</sub> receptors are involved in the cannabidiol-induced attenuation of behavioural and cardiovascular responses to acute restraint stress in rats. <i>British Journal of Pharmacology</i> , 2009, 156, 181-188.	2.7	218
3	Inhibition of neuronal nitric oxide synthase in the rat hippocampus induces antidepressant-like effects. <i>Psychopharmacology</i> , 2006, 185, 298-305.	1.5	166
4	Effects of cannabidiol and diazepam on behavioral and cardiovascular responses induced by contextual conditioned fear in rats. <i>Behavioural Brain Research</i> , 2006, 172, 294-298.	1.2	148
5	Cannabidiol Induces Rapid and Sustained Antidepressant-Like Effects Through Increased BDNF Signaling and Synaptogenesis in the Prefrontal Cortex. <i>Molecular Neurobiology</i> , 2019, 56, 1070-1081.	1.9	124
6	Modulation of stress consequences by hippocampal monoaminergic, glutamatergic and nitrgic neurotransmitter systems. <i>Stress</i> , 2007, 10, 227-249.	0.8	121
7	Antidepressant-like effect of cannabidiol injection into the ventral medial prefrontal cortex—Possible involvement of 5-HT <sub>1A</sub> and CB <sub>1</sub> receptors. <i>Behavioural Brain Research</i> , 2016, 303, 218-227.	1.2	121
8	Antidepressant-like effect induced by systemic and intra-hippocampal administration of DNA methylation inhibitors. <i>British Journal of Pharmacology</i> , 2011, 164, 1711-1721.	2.7	119
9	Plastic and Neuroprotective Mechanisms Involved in the Therapeutic Effects of Cannabidiol in Psychiatric Disorders. <i>Frontiers in Pharmacology</i> , 2017, 8, 269.	1.6	116
10	Further evidence that anxiety and memory are regionally dissociated within the hippocampus. <i>Behavioural Brain Research</i> , 2006, 175, 183-188.	1.2	104
11	Involvement of medial prefrontal cortex neurons in behavioral and cardiovascular responses to contextual fear conditioning. <i>Neuroscience</i> , 2006, 143, 377-385.	1.1	96
12	Activation of post-synaptic 5-HT <sub>1A</sub> receptors in the dorsal hippocampus prevents learned helplessness development. <i>Brain Research</i> , 2003, 978, 177-184.	1.1	94
13	P2X <sub>7</sub> Receptor Signaling in Stress and Depression. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2778.	1.8	84
14	Antidepressant-like effect induced by Cannabidiol is dependent on brain serotonin levels. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 86, 255-261.	2.5	75
15	Inhibition of iNOS induces antidepressant-like effects in mice: Pharmacological and genetic evidence. <i>Neuropharmacology</i> , 2012, 62, 485-491.	2.0	74
16	Isoflurane produces antidepressant effects and induces TrkB signaling in rodents. <i>Scientific Reports</i> , 2017, 7, 7811.	1.6	70
17	Evaluation of the face validity of reserpine administration as an animal model of depression—Parkinson's disease association. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2002, 26, 879-883.	2.5	60
18	Emerging evidence for the antidepressant effect of cannabidiol and the underlying molecular mechanisms. <i>Journal of Chemical Neuroanatomy</i> , 2019, 98, 104-116.	1.0	57

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19	Epigenetic regulation of adult neural stem cells: implications for Alzheimer's disease. <i>Molecular Neurodegeneration</i> , 2014, 9, 25.	4.4	55
20	Antidepressant-like effects of N-acetyl-L-cysteine in rats. <i>Behavioural Pharmacology</i> , 2008, 19, 747-750.	0.8	53
21	Acute reversible inactivation of the ventral medial prefrontal cortex induces antidepressant-like effects in rats. <i>Behavioural Brain Research</i> , 2010, 214, 437-442.	1.2	52
22	Antidepressant- and anticomulsive-like effects of purinergic receptor blockade: Involvement of nitric oxide. <i>European Neuropsychopharmacology</i> , 2013, 23, 1769-1778.	0.3	50
23	Beyond good and evil: A putative continuum-sorting hypothesis for the functional role of proBDNF/BDNF-propeptide/mBDNF in antidepressant treatment. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 90, 70-83.	2.9	46
24	Interplay Between Nitric Oxide and Brain-Derived Neurotrophic Factor in Neuronal Plasticity. <i>CNS and Neurological Disorders - Drug Targets</i> , 2015, 14, 979-987.	0.8	44
25	Anxiogenic effect of median raphe nucleus lesion in stressed rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2002, 26, 1135-1141.	2.5	43
26	Nitric oxide signalling and antidepressant action revisited. <i>Cell and Tissue Research</i> , 2019, 377, 45-58.	1.5	43
27	Nitric oxide involvement in the antidepressant-like effect of ketamine in the Flinders sensitive line rat model of depression. <i>Acta Neuropsychiatrica</i> , 2015, 27, 90-96.	1.0	42
28	Acute reversible inactivation of the bed nucleus of stria terminalis induces antidepressant-like effect in the rat forced swimming test. <i>Behavioral and Brain Functions</i> , 2010, 6, 30.	1.4	40
29	Neuronal NOS Inhibitor and Conventional Antidepressant Drugs Attenuate Stress-induced Fos Expression in Overlapping Brain Regions. <i>Cellular and Molecular Neurobiology</i> , 2012, 32, 443-453.	1.7	40
30	Effects of DNA methylation inhibitors and conventional antidepressants on mice behaviour and brain DNA methylation levels. <i>Acta Neuropsychiatrica</i> , 2016, 28, 11-22.	1.0	39
31	Antidepressant-like effect of losartan involves TRKB transactivation from angiotensin receptor type 2 (AGTR2) and recruitment of FYN. <i>Neuropharmacology</i> , 2018, 135, 163-171.	2.0	39
32	Effects of reversible inactivation of the dorsal hippocampus on the behavioral and cardiovascular responses to an aversive conditioned context. <i>Behavioural Pharmacology</i> , 2008, 19, 137-144.	0.8	38
33	The antidepressive-like effect of oxcarbazepine: possible role of dopaminergic neurotransmission. <i>European Neuropsychopharmacology</i> , 2000, 10, 223-228.	0.3	36
34	CBD modulates DNA methylation in the prefrontal cortex and hippocampus of mice exposed to forced swim. <i>Behavioural Brain Research</i> , 2020, 388, 112627.	1.2	36
35	Chronic fluoxetine treatment alters cardiovascular functions in unanesthetized rats. <i>European Journal of Pharmacology</i> , 2011, 670, 527-533.	1.7	35
36	Increased Contextual Fear Conditioning in iNOS Knockout Mice: Additional Evidence for the Involvement of Nitric Oxide in Stress-Related Disorders and Contribution of the Endocannabinoid System. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyv005-pyv005.	1.0	35

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37	Effect of omega-3 polyunsaturated fatty acid treatment over mechanical allodynia and depressive-like behavior associated with experimental diabetes. <i>Behavioural Brain Research</i> , 2016, 298, 57-64.	1.2	35
38	Atypical Neurotransmitters and the Neurobiology of Depression. <i>CNS and Neurological Disorders - Drug Targets</i> , 2015, 14, 1001-1011.	0.8	33
39	Post-stress facilitation of serotonergic, but not noradrenergic, neurotransmission in the dorsal hippocampus prevents learned helplessness development in rats. <i>Brain Research</i> , 2006, 1087, 67-74.	1.1	32
40	Antidepressant administration modulates stress-induced DNA methylation and DNA methyltransferase expression in rat prefrontal cortex and hippocampus. <i>Behavioural Brain Research</i> , 2018, 343, 8-15.	1.2	32
41	Epigenetic Basis of Neuronal and Synaptic Plasticity. <i>Current Topics in Medicinal Chemistry</i> , 2017, 17, 771-793.	1.0	30
42	Antidepressant-like effects induced by NMDA receptor blockade and NO synthesis inhibition in the ventral medial prefrontal cortex of rats exposed to the forced swim test. <i>Psychopharmacology</i> , 2015, 232, 2263-2273.	1.5	26
43	Antidepressant-like effect induced by P2X7 receptor blockade in FSL rats is associated with BDNF signalling activation. <i>Journal of Psychopharmacology</i> , 2019, 33, 1436-1446.	2.0	26
44	Hippocampal nNOS inhibition induces an antidepressant-like effect. <i>Behavioural Pharmacology</i> , 2014, 25, 187-196.	0.8	25
45	Involvement of CB 1 and TRPV1 receptors located in the ventral medial prefrontal cortex in the modulation of stress coping behavior. <i>Neuroscience</i> , 2017, 340, 126-134.	1.1	25
46	Dorsal and Ventral Hippocampus Modulate Autonomic Responses but Not Behavioral Consequences Associated to Acute Restraint Stress in Rats. <i>PLoS ONE</i> , 2013, 8, e77750.	1.1	24
47	Pro-Inflammatory Cytokines: Potential Links between the Endocannabinoid System and the Kynurenine Pathway in Depression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5903.	1.8	23
48	Changes in hippocampal gene expression by 7-aminotriazole in rats submitted to forced swimming stress. <i>Genes, Brain and Behavior</i> , 2012, 11, 303-313.	1.1	22
49	Early-life stress effects on BDNF DNA methylation in first-episode psychosis and in rats reared in isolation. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 108, 110188.	2.5	22
50	Inhibition of nitric oxide synthase increases synaptophysin mRNA expression in the hippocampal formation of rats. <i>Neuroscience Letters</i> , 2007, 421, 72-76.	1.0	21
51	The effect of oxcarbazepine on behavioural despair and learned helplessness. <i>European Journal of Pharmacology</i> , 1998, 347, 23-27.	1.7	20
52	S-ketamine reduces marble burying behaviour: Involvement of ventromedial orbitofrontal cortex and AMPA receptors. <i>Neuropharmacology</i> , 2019, 144, 233-243.	2.0	20
53	A dual inhibitor of FAAH and TRPV1 channels shows dose-dependent effect on depression-like behaviour in rats. <i>Acta Neuropsychiatrica</i> , 2017, 29, 324-329.	1.0	19
54	Monoamine involvement in the antidepressant-like effect induced by P2 blockade. <i>Brain Research</i> , 2017, 1676, 19-27.	1.1	19

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55	Distinct behavioral consequences of stress models of depression in the elevated T-maze. <i>Behavioural Brain Research</i> , 2011, 225, 590-595.	1.2	17
56	NMDA-NO signaling in the dorsal and ventral hippocampus time-dependently modulates the behavioral responses to forced swimming stress. <i>Behavioural Brain Research</i> , 2016, 307, 126-136.	1.2	17
57	Hippocampal mammalian target of rapamycin is implicated in stress-coping behavior induced by cannabidiol in the forced swim test. <i>Journal of Psychopharmacology</i> , 2018, 32, 922-931.	2.0	17
58	Effects of isolation-rearing on serotonin-1A and M1-muscarinic receptor messenger RNA expression in the hippocampal formation of rats. <i>Neuroscience Letters</i> , 2002, 332, 123-126.	1.0	16
59	The antidepressant-like effect of galanin in the dorsal raphe nucleus of rats involves GAL 2 receptors. <i>Neuroscience Letters</i> , 2018, 681, 26-30.	1.0	16
60	Ketamine effects on anxiety and fear-related behaviors: Current literature evidence and new findings. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2020, 100, 109878.	2.5	16
61	Dual mechanism of TRKB activation by anandamide through CB1 and TRPV1 receptors. <i>PeerJ</i> , 2019, 7, e6493.	0.9	16
62	BDNF-TRKB signaling system of the dorsal periaqueductal gray matter is implicated in the panicolytic-like effect of antidepressant drugs. <i>European Neuropsychopharmacology</i> , 2015, 25, 913-922.	0.3	15
63	Participation of hippocampal nitric oxide synthase and soluble guanylate cyclase in the modulation of behavioral responses elicited by the rat forced swimming test. <i>Behavioural Pharmacology</i> , 2017, 28, 19-29.	0.8	14
64	Multimodal early-life stress induces biological changes associated to psychopathologies. <i>Hormones and Behavior</i> , 2018, 100, 69-80.	1.0	14
65	Esketamine and rapastinel, but not imipramine, have antidepressant-like effect in a treatment-resistant animal model of depression. <i>Acta Neuropsychiatrica</i> , 2019, 31, 258-265.	1.0	14
66	Strain-, Sex-, and Time-Dependent Antidepressant-like Effects of Cannabidiol. <i>Pharmaceuticals</i> , 2021, 14, 1269.	1.7	14
67	The antimanic-like effect of phenytoin and carbamazepine on methylphenidate-induced hyperlocomotion: role of voltage-gated sodium channels. <i>Fundamental and Clinical Pharmacology</i> , 2013, 27, 650-655.	1.0	13
68	Repeated treatment with nitric oxide synthase inhibitor attenuates learned helplessness development in rats and increases hippocampal BDNF expression. <i>Acta Neuropsychiatrica</i> , 2018, 30, 127-136.	1.0	13
69	Prolonged Periods of Social Isolation From Weaning Reduce the Anti-inflammatory Cytokine IL-10 in Blood and Brain. <i>Frontiers in Neuroscience</i> , 2018, 12, 1011.	1.4	13
70	Modulation of DNA Methylation and Gene Expression in Rodent Cortical Neuroplasticity Pathways Exerts Rapid Antidepressant-Like Effects. <i>Molecular Neurobiology</i> , 2021, 58, 777-794.	1.9	13
71	Tolerance to the cataleptic effect that follows repeated nitric oxide synthase inhibition may be related to functional enzymatic recovery. <i>Journal of Psychopharmacology</i> , 2010, 24, 397-405.	2.0	12
72	The prelimbic cortex muscarinic M <sub>3</sub> receptor-nitric oxide-guanylyl cyclase pathway modulates cardiovascular responses in rats. <i>Journal of Neuroscience Research</i> , 2015, 93, 830-838.	1.3	12

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73	Cannabidiol prevents disruptions in sensorimotor gating induced by psychotomimetic drugs that last for 24-h with probable involvement of epigenetic changes in the ventral striatum. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021, 111, 110352.	2.5	12
74	<i>Eag 1</i> , <i>Eag 2</i> and <i>Kcnn3</i> gene brain expression of isolated reared rats. <i>Genes, Brain and Behavior</i> , 2010, 9, 918-924.	1.1	11
75	Ketamine and aminoguanidine differentially affect Bdnf and Mtor gene expression in the prefrontal cortex of adult male rats. <i>European Journal of Pharmacology</i> , 2017, 815, 304-311.	1.7	11
76	Mice lacking interleukin-18 gene display behavioral changes in animal models of psychiatric disorders: Possible involvement of immunological mechanisms. <i>Journal of Neuroimmunology</i> , 2018, 314, 58-66.	1.1	11
77	Targeting 2- $\omega$ -arachidonoylglycerol signalling in the neurobiology and treatment of depression. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2021, 129, 3-14.	1.2	11
78	DNA methylation in stress and depression: from biomarker to therapeutics. <i>Acta Neuropsychiatrica</i> , 2021, 33, 217-241.	1.0	11
79	Reduced P2X receptor levels are associated with antidepressant effect in the learned helplessness model. <i>PeerJ</i> , 2019, 7, e7834.	0.9	11
80	<i>Eag1</i> , <i>Eag2</i> , and <i>SK3</i> potassium channel expression in the rat hippocampus after global transient brain ischemia. <i>Journal of Neuroscience Research</i> , 2012, 90, 632-640.	1.3	10
81	Activation of the TRKB receptor mediates the panicolytic-like effect of the NOS inhibitor aminoguanidine. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019, 93, 232-239.	2.5	10
82	Melanin-concentrating hormone in the Locus Coeruleus aggravates helpless behavior in stressed rats. <i>Behavioural Brain Research</i> , 2019, 374, 112120.	1.2	9
83	Attenuation of glutamatergic and nitrenergic system contributes to the antidepressant-like effect induced by capsaizine in the forced swimming test. <i>Behavioural Pharmacology</i> , 2019, 30, 59-66.	0.8	9
84	Co-administration of cannabidiol and ketamine induces antidepressant-like effects devoid of hyperlocomotor side-effects. <i>Neuropharmacology</i> , 2021, 195, 108679.	2.0	9
85	Tiny in size, big in impact: Extracellular vesicles as modulators of mood, anxiety and neurodevelopmental disorders. <i>Neuroscience and Biobehavioral Reviews</i> , 2022, 135, 104582.	2.9	9
86	Prelimbic neuronal nitric oxide synthase inhibition exerts antidepressant-like effects independently of BDNF signalling cascades. <i>Acta Neuropsychiatrica</i> , 2019, 31, 143-150.	1.0	8
87	Epigenetic-mediated <i>N</i> -methyl-D-aspartate receptor changes in the brain of isolated reared rats. <i>Epigenomics</i> , 2020, 12, 1983-1997.	1.0	8
88	Noradrenergic neurotransmission within the bed nucleus of the stria terminalis modulates the retention of immobility in the rat forced swimming test. <i>Behavioural Pharmacology</i> , 2013, 24, 214-221.	0.8	7
89	Fluoxetine acts concomitantly on dorsal and ventral hippocampus to Trk-dependently modulate the extinction of fear memory. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2022, 113, 110451.	2.5	6
90	Effects of DNA methyltransferase inhibition on pattern separation performance in mice. <i>Neurobiology of Learning and Memory</i> , 2019, 159, 6-15.	1.0	5

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91	Nitric Oxide Synthase inhibition counteracts the stress-induced DNA methyltransferase 3b expression in the hippocampus of rats. <i>European Journal of Neuroscience</i> , 2022, 55, 2421-2434.	1.2	5
92	Inducible nitric oxide synthase (NOS2) knockout mice as a model of trichotillomania. <i>PeerJ</i> , 2018, 6, e4635.	0.9	5
93	Prelimbic cortex 5-HT1A and 5-HT2C receptors are involved in the hypophagic effects caused by fluoxetine in fasted rats. <i>Pharmacology Biochemistry and Behavior</i> , 2015, 136, 31-38.	1.3	4
94	Elastase-2 Knockout Mice Display Anxiogenic- and Antidepressant-Like Phenotype: Putative Role for BDNF Metabolism in Prefrontal Cortex. <i>Molecular Neurobiology</i> , 2018, 55, 7062-7071.	1.9	3
95	The intersection of astrocytes and the endocannabinoid system in the lateral habenula: on the fast-track to novel rapid-acting antidepressants. <i>Molecular Psychiatry</i> , 2022, , .	4.1	3
96	Dual effects of S-adenosyl-methionine on PC12 cells exposed to the dopaminergic neurotoxin MPP+. <i>Journal of Pharmacy and Pharmacology</i> , 2020, 72, 1427-1435.	1.2	2
97	Putative effects of cannabidiol in depression and synaptic plasticity. , 2021, , 459-467.		2
98	Nitric Oxide Signaling in Depression and Antidepressant Action. , 2016, , 765-792.		2
99	Anticompulsive-like effect of nitric oxide synthase inhibitors in marble-burying test. <i>Journal for Reproducibility in Neuroscience</i> , 0, 1, 1381.	0.0	2
100	Editorial (Thematic Issue: Translational Neuroscience: Narrowing Distances for Future Discoveries). <i>CNS and Neurological Disorders - Drug Targets</i> , 2015, 14, 962-962.	0.8	1
101	A valepotriate-enriched fraction from <i>Valeriana glechomifolia</i> decreases DNA methylation and up-regulate TrkB receptors in the hippocampus of mice. <i>Behavioural Pharmacology</i> , 2020, 31, 333-342.	0.8	1
102	Treatment with nitric oxide synthesis inhibitors decreases global DNA methylation in the ventral hippocampus of rats submitted to learned helplessness. <i>European Neuropsychopharmacology</i> , 2016, 26, S245.	0.3	0