

# Samia Regiane Joca

## List of Publications by Citations

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102  
papers

2,815  
citations

30  
h-index

50  
g-index

126  
ext. papers

3,408  
ext. citations

4.3  
avg, IF

5.38  
L-index

| #   | Paper   | IF  | Citations |
|-----|---|-----|-----------|
| 102 | Antidepressant-like effects of cannabidiol in mice: possible involvement of 5-HT1A receptors. <i>British Journal of Pharmacology</i> , <b>2010</b> , 159, 122-8   | 8.6 | 220       |
| 101 | 5-HT1A 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> , <b>2009</b> , 156, 181-8 | 8.6 | 171       |
| 100 | Inhibition of neuronal nitric oxide synthase in the rat hippocampus induces antidepressant-like effects. <i>Psychopharmacology</i> , <b>2006</b> , 185, 298-305   | 4.7 | 151       |
| 99  | Effects of cannabidiol and diazepam on behavioral and cardiovascular responses induced by contextual conditioned fear in rats. <i>Behavioural Brain Research</i> , <b>2006</b> , 172, 294-8                           | 3.4 | 116       |
| 98  | Modulation of stress consequences by hippocampal monoaminergic, glutamatergic and nitroergic neurotransmitter systems. <i>Stress</i> , <b>2007</b> , 10, 227-49   | 3   | 108       |
| 97  | Antidepressant-like effect induced by systemic and intra-hippocampal administration of DNA methylation inhibitors. <i>British Journal of Pharmacology</i> , <b>2011</b> , 164, 1711-21                                | 8.6 | 99        |
| 96  | Further evidence that anxiety and memory are regionally dissociated within the hippocampus. <i>Behavioural Brain Research</i> , <b>2006</b> , 175, 183-8  | 3.4 | 93        |
| 95  | Antidepressant-like effect of cannabidiol injection into the ventral medial prefrontal cortex-Possible involvement of 5-HT1A and CB1 receptors. <i>Behavioural Brain Research</i> , <b>2016</b> , 303, 218-27         | 3.4 | 89        |
| 94  | Involvement of medial prefrontal cortex neurons in behavioral and cardiovascular responses to contextual fear conditioning. <i>Neuroscience</i> , <b>2006</b> , 143, 377-85   | 3.9 | 82        |
| 93  | Plastic and Neuroprotective Mechanisms Involved in the Therapeutic Effects of Cannabidiol in Psychiatric Disorders. <i>Frontiers in Pharmacology</i> , <b>2017</b> , 8, 269   | 5.6 | 78        |
| 92  | Activation of post-synaptic 5-HT(1A) receptors in the dorsal hippocampus prevents learned helplessness development. <i>Brain Research</i> , <b>2003</b> , 978, 177-84   | 3.7 | 78        |
| 91  | Cannabidiol Induces Rapid and Sustained Antidepressant-Like Effects Through Increased BDNF Signaling and Synaptogenesis in the Prefrontal Cortex. <i>Molecular Neurobiology</i> , <b>2019</b> , 56, 1070-1081         | 6.2 | 67        |
| 90  | Inhibition of iNOS induces antidepressant-like effects in mice: pharmacological and genetic evidence. <i>Neuropharmacology</i> , <b>2012</b> , 62, 485-91   | 5.5 | 62        |
| 89  | Antidepressant-like effect induced by Cannabidiol is dependent on brain serotonin levels. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2018</b> , 86, 255-261                           | 5.5 | 49        |
| 88  | Antidepressant-like effects of N-acetyl-L-cysteine in rats. <i>Behavioural Pharmacology</i> , <b>2008</b> , 19, 747-50  | 2.4 | 48        |
| 87  | Epigenetic regulation of adult neural stem cells: implications for Alzheimer's disease. <i>Molecular Neurodegeneration</i> , <b>2014</b> , 9, 25  | 19  | 46        |
| 86  | Isoflurane produces antidepressant effects and induces TrkB signaling in rodents. <i>Scientific Reports</i> , <b>2017</b> , 7, 7811   | 4.9 | 45        |

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|----|---|-----|----|
| 85 | P2X7 Receptor Signaling in Stress and Depression. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,  | 6.3 | 43 |
| 84 | Acute reversible inactivation of the ventral medial prefrontal cortex induces antidepressant-like effects in rats. <i>Behavioural Brain Research</i> , <b>2010</b> , 214, 437-42  | 3.4 | 42 |
| 83 | 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> , <b>2002</b> , 26, 879-83   | 5.5 | 42 |
| 82 | Nitric oxide involvement in the antidepressant-like effect of ketamine in the Flinders sensitive line rat model of depression. <i>Acta Neuropsychiatrica</i> , <b>2015</b> , 27, 90-6   | 3.9 | 36 |
| 81 | Neuronal NOS inhibitor and conventional antidepressant drugs attenuate stress-induced fos expression in overlapping brain regions. <i>Cellular and Molecular Neurobiology</i> , <b>2012</b> , 32, 443-53  | 4.6 | 36 |
| 80 | Anxiogenic effect of median raphe nucleus lesion in stressed rats. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2002</b> , 26, 1135-41  | 5.5 | 36 |
| 79 | Antidepressant- and anticomulsive-like effects of purinergic receptor blockade: involvement of nitric oxide. <i>European Neuropsychopharmacology</i> , <b>2013</b> , 23, 1769-78  | 1.2 | 35 |
| 78 | Effects of reversible inactivation of the dorsal hippocampus on the behavioral and cardiovascular responses to an aversive conditioned context. <i>Behavioural Pharmacology</i> , <b>2008</b> , 19, 137-44  | 2.4 | 33 |
| 77 | Emerging evidence for the antidepressant effect of cannabidiol and the underlying molecular mechanisms. <i>Journal of Chemical Neuroanatomy</i> , <b>2019</b> , 98, 104-116   | 3.2 | 32 |
| 76 | 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> , <b>2010</b> , 6, 30  | 4.1 | 32 |
| 75 | The antidepressant-like effect of oxcarbazepine: possible role of dopaminergic neurotransmission. <i>European Neuropsychopharmacology</i> , <b>2000</b> , 10, 223-8   | 1.2 | 32 |
| 74 | Antidepressant-like effect of losartan involves TRKB transactivation from angiotensin receptor type 2 (AGTR2) and recruitment of FYN. <i>Neuropharmacology</i> , <b>2018</b> , 135, 163-171   | 5.5 | 30 |
| 73 | Post-stress facilitation of serotonergic, but not noradrenergic, neurotransmission in the dorsal hippocampus prevents learned helplessness development in rats. <i>Brain Research</i> , <b>2006</b> , 1087, 67-74   | 3.7 | 30 |
| 72 | Interplay Between Nitric Oxide and Brain-Derived Neurotrophic Factor in Neuronal Plasticity. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2015</b> , 14, 979-87  | 2.6 | 30 |
| 71 | 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> , <b>2018</b> , 90, 70-83   | 9   | 29 |
| 70 | Effect of omega-3 polyunsaturated fatty acid treatment over mechanical allodynia and depressive-like behavior associated with experimental diabetes. <i>Behavioural Brain Research</i> , <b>2016</b> , 298, 57-64   | 3.4 | 29 |
| 69 | Chronic fluoxetine treatment alters cardiovascular functions in unanesthetized rats. <i>European Journal of Pharmacology</i> , <b>2011</b> , 670, 527-33  | 5.3 | 29 |
| 68 | 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> , <b>2015</b> , 18, | 5.8 | 27 |

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|----|---|-----|----|
| 67 | Effects of DNA methylation inhibitors and conventional antidepressants on mice behaviour and brain DNA methylation levels. <i>Acta Neuropsychiatrica</i> , <b>2016</b> , 28, 11-22  | 3.9 | 27 |
| 66 | Hippocampal nNOS inhibition induces an antidepressant-like effect: involvement of 5HT1A receptors. <i>Behavioural Pharmacology</i> , <b>2014</b> , 25, 187-96   | 2.4 | 24 |
| 65 | Antidepressant administration modulates stress-induced DNA methylation and DNA methyltransferase expression in rat prefrontal cortex and hippocampus. <i>Behavioural Brain Research</i> , <b>2018</b> , 343, 8-15                 | 3.4 | 22 |
| 64 | 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> , <b>2015</b> , 232, 2263-73 | 4.7 | 22 |
| 63 | Nitric oxide signalling and antidepressant action revisited. <i>Cell and Tissue Research</i> , <b>2019</b> , 377, 45-58   | 4.2 | 22 |
| 62 | Changes in hippocampal gene expression by 7-nitroindazole in rats submitted to forced swimming stress. <i>Genes, Brain and Behavior</i> , <b>2012</b> , 11, 303-13  | 3.6 | 21 |
| 61 | Dorsal and ventral hippocampus modulate autonomic responses but not behavioral consequences associated to acute restraint stress in rats. <i>PLoS ONE</i> , <b>2013</b> , 8, e77750   | 3.7 | 19 |
| 60 | Atypical Neurotransmitters and the Neurobiology of Depression. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2015</b> , 14, 1001-11   | 2.6 | 19 |
| 59 | Epigenetic Basis of Neuronal and Synaptic Plasticity. <i>Current Topics in Medicinal Chemistry</i> , <b>2017</b> , 17, 771-793  | 3.9 | 18 |
| 58 | Involvement of CB and TRPV1 receptors located in the ventral medial prefrontal cortex in the modulation of stress coping behavior. <i>Neuroscience</i> , <b>2017</b> , 340, 126-134   | 3.9 | 17 |
| 57 | Inhibition of nitric oxide synthase increases synaptophysin mRNA expression in the hippocampal formation of rats. <i>Neuroscience Letters</i> , <b>2007</b> , 421, 72-6   | 3.3 | 17 |
| 56 | The effect of oxcarbazepine on behavioural despair and learned helplessness. <i>European Journal of Pharmacology</i> , <b>1998</b> , 347, 23-7  | 5.3 | 17 |
| 55 | Distinct behavioral consequences of stress models of depression in the elevated T-maze. <i>Behavioural Brain Research</i> , <b>2011</b> , 225, 590-5  | 3.4 | 15 |
| 54 | A dual inhibitor of FAAH and TRPV1 channels shows dose-dependent effect on depression-like behaviour in rats. <i>Acta Neuropsychiatrica</i> , <b>2017</b> , 29, 324-329   | 3.9 | 14 |
| 53 | CBD modulates DNA methylation in the prefrontal cortex and hippocampus of mice exposed to forced swim. <i>Behavioural Brain Research</i> , <b>2020</b> , 388, 112627  | 3.4 | 14 |
| 52 | Effects of isolation-rearing on serotonin-1A and M1-muscarinic receptor messenger RNA expression in the hippocampal formation of rats. <i>Neuroscience Letters</i> , <b>2002</b> , 332, 123-6                                     | 3.3 | 14 |
| 51 | BDNF-TRKB signaling system of the dorsal periaqueductal gray matter is implicated in the panicolytic-like effect of antidepressant drugs. <i>European Neuropsychopharmacology</i> , <b>2015</b> , 25, 913-22                      | 1.2 | 13 |
| 50 | NMDA-NO signaling in the dorsal and ventral hippocampus time-dependently modulates the behavioral responses to forced swimming stress. <i>Behavioural Brain Research</i> , <b>2016</b> , 307, 126-36                              | 3.4 | 13 |

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| 49 | Monoamine involvement in the antidepressant-like effect induced by P2 blockade. <i>Brain Research</i> , <b>2017</b> , 1676, 19-27  | 3.7 | 13 |
| 48 | The antidepressant-like effect of galanin in the dorsal raphe nucleus of rats involves GAL receptors. <i>Neuroscience Letters</i> , <b>2018</b> , 681, 26-30   | 3.3 | 12 |
| 47 | The antimanic-like effect of phenytoin and carbamazepine on methylphenidate-induced hyperlocomotion: role of voltage-gated sodium channels. <i>Fundamental and Clinical Pharmacology</i> , <b>2013</b> , 27, 650-5             | 3.1 | 12 |
| 46 | Hippocampal mammalian target of rapamycin is implicated in stress-coping behavior induced by cannabidiol in the forced swim test. <i>Journal of Psychopharmacology</i> , <b>2018</b> , 32, 922-931                             | 4.6 | 12 |
| 45 | Ketamine and aminoguanidine differentially affect Bdnf and Mtor gene expression in the prefrontal cortex of adult male rats. <i>European Journal of Pharmacology</i> , <b>2017</b> , 815, 304-311                              | 5.3 | 11 |
| 44 | Tolerance to the cataleptic effect that follows repeated nitric oxide synthase inhibition may be related to functional enzymatic recovery. <i>Journal of Psychopharmacology</i> , <b>2010</b> , 24, 397-405                    | 4.6 | 11 |
| 43 | 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> , <b>2017</b> , 28, 19-29 | 2.4 | 10 |
| 42 | Antidepressant-like effect induced by P2X7 receptor blockade in FSL rats is associated with BDNF signalling activation. <i>Journal of Psychopharmacology</i> , <b>2019</b> , 33, 1436-1446                                     | 4.6 | 10 |
| 41 | The prelimbic cortex muscarinic M <sub>1</sub> receptor-nitric oxide-guanylyl cyclase pathway modulates cardiovascular responses in rats. <i>Journal of Neuroscience Research</i> , <b>2015</b> , 93, 830-8                    | 4.4 | 9  |
| 40 | Esketamine and rapastinel, but not imipramine, have antidepressant-like effect in a treatment-resistant animal model of depression. <i>Acta Neuropsychiatrica</i> , <b>2019</b> , 31, 258-265                                  | 3.9 | 8  |
| 39 | Eag1, Eag2, and SK3 potassium channel expression in the rat hippocampus after global transient brain ischemia. <i>Journal of Neuroscience Research</i> , <b>2012</b> , 90, 632-40  | 4.4 | 8  |
| 38 | S-ketamine reduces marble burying behaviour: Involvement of ventromedial orbitofrontal cortex and AMPA receptors. <i>Neuropharmacology</i> , <b>2019</b> , 144, 233-243  | 5.5 | 8  |
| 37 | Mice lacking interleukin-18 gene display behavioral changes in animal models of psychiatric disorders: Possible involvement of immunological mechanisms. <i>Journal of Neuroimmunology</i> , <b>2018</b> , 314, 58-66          | 3.5 | 8  |
| 36 | Attenuation of glutamatergic and nitrenergic system contributes to the antidepressant-like effect induced by capsazepine in the forced swimming test. <i>Behavioural Pharmacology</i> , <b>2019</b> , 30, 59-66                | 2.4 | 7  |
| 35 | Repeated treatment with nitric oxide synthase inhibitor attenuates learned helplessness development in rats and increases hippocampal BDNF expression. <i>Acta Neuropsychiatrica</i> , <b>2018</b> , 30, 127-136               | 3.9 | 7  |
| 34 | Multimodal early-life stress induces biological changes associated to psychopathologies. <i>Hormones and Behavior</i> , <b>2018</b> , 100, 69-80   | 3.7 | 7  |
| 33 | 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> , <b>2013</b> , 24, 214-21               | 2.4 | 7  |
| 32 | Eag 1, Eag 2 and Kcnn3 gene brain expression of isolated reared rats. <i>Genes, Brain and Behavior</i> , <b>2010</b> , 9, 918-24   | 3.6 | 7  |

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| 31 | Dual mechanism of TRKB activation by anandamide through CB1 and TRPV1 receptors. <i>PeerJ</i> , <b>2019</b> , 7, e6493   | 3.1 | 7 |
| 30 | Prolonged Periods of Social Isolation From Weaning Reduce the Anti-inflammatory Cytokine IL-10 in Blood and Brain. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 1011   | 5.1 | 7 |
| 29 | Prelimbic neuronal nitric oxide synthase inhibition exerts antidepressant-like effects independently of BDNF signalling cascades. <i>Acta Neuropsychiatrica</i> , <b>2019</b> , 31, 143-150  | 3.9 | 6 |
| 28 | Ketamine effects on anxiety and fear-related behaviors: Current literature evidence and new findings. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2020</b> , 100, 109878  | 5.5 | 6 |
| 27 | 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> , <b>2021</b> , 108, 110188  | 5.5 | 6 |
| 26 | Inducible nitric oxide synthase (NOS2) knockout mice as a model of trichotillomania. <i>PeerJ</i> , <b>2018</b> , 6, e46351  | 3.5 | 5 |
| 25 | Reduced P2X receptor levels are associated with antidepressant effect in the learned helplessness model. <i>PeerJ</i> , <b>2019</b> , 7, e7834   | 3.1 | 5 |
| 24 | 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> , <b>2021</b> , 111, 110352 | 5.5 | 5 |
| 23 | 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> , <b>2015</b> , 136, 31-8   | 3.9 | 4 |
| 22 | Modulation of DNA Methylation and Gene Expression in Rodent Cortical Neuroplasticity Pathways Exerts Rapid Antidepressant-Like Effects. <i>Molecular Neurobiology</i> , <b>2021</b> , 58, 777-794  | 6.2 | 4 |
| 21 | Activation of the TRKB receptor mediates the panicolytic-like effect of the NOS inhibitor aminoguanidine. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , <b>2019</b> , 93, 232-239  | 5.5 | 3 |
| 20 | Elastase-2 Knockout Mice Display Anxiogenic- and Antidepressant-Like Phenotype: Putative Role for BDNF Metabolism in Prefrontal Cortex. <i>Molecular Neurobiology</i> , <b>2018</b> , 55, 7062-7071  | 6.2 | 3 |
| 19 | Melanin-concentrating hormone in the Locus Coeruleus aggravates helpless behavior in stressed rats. <i>Behavioural Brain Research</i> , <b>2019</b> , 374, 112120  | 3.4 | 3 |
| 18 | Epigenetic-mediated -methyl-D-aspartate receptor changes in the brain of isolated reared rats. <i>Epigenomics</i> , <b>2020</b> , 12, 1983-1997  | 4.4 | 3 |
| 17 | Effects of DNA methyltransferase inhibition on pattern separation performance in mice. <i>Neurobiology of Learning and Memory</i> , <b>2019</b> , 159, 6-15  | 3.1 | 3 |
| 16 | Co-administration of cannabidiol and ketamine induces antidepressant-like effects devoid of hyperlocomotor side-effects. <i>Neuropharmacology</i> , <b>2021</b> , 195, 108679  | 5.5 | 3 |
| 15 | Anticompulsive-like effect of nitric oxide synthase inhibitors in marble-burying test1,  |     | 2 |
| 14 | Isoflurane produces antidepressant effects and induces TrkB signaling in rodents   |     | 2 |

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| 13 | Nitric Oxide Synthase inhibition counteracts the stress-induced DNA methyltransferase 3b expression in the hippocampus of rats. <i>European Journal of Neuroscience</i> , <b>2020</b> ,                                      | 3.5 | 2 |
| 12 | Targeting 2-arachidonoylglycerol signalling in the neurobiology and treatment of depression. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2021</b> , 129, 3-14   | 3.1 | 2 |
| 11 | Dual effects of S-adenosyl-methionine on PC12 cells exposed to the dopaminergic neurotoxin MPP. <i>Journal of Pharmacy and Pharmacology</i> , <b>2020</b> , 72, 1427-1435  | 4.8 | 1 |
| 10 | 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> , <b>2022</b> , 113, 110451 | 5.5 | 1 |
| 9  | Site-Specific Delivery of Epigenetic Modulating Drugs into the Rat Brain. <i>NeuroMethods</i> , <b>2016</b> , 149-159  | 0.4 | 1 |
| 8  | Nitric Oxide Signaling in Depression and Antidepressant Action <b>2016</b> , 765-792   |     | 1 |
| 7  | Inducible nitric oxide synthase (NOS2) knockout mice as a model of trichotillomania  |     | 1 |
| 6  | 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> , <b>2020</b> , 31, 333-342        | 2.4 | 1 |
| 5  | Cannabidiol as an add-on therapy to overcome the slow-onset and, possibly, resistance to antidepressant treatment: involvement of NAPE-PLD in the medial prefrontal cortex   |     | 1 |
| 4  | Putative effects of cannabidiol in depression and synaptic plasticity <b>2021</b> , 459-467  |     | 1 |
| 3  | DNA methylation in stress and depression: from biomarker to therapeutics. <i>Acta Neuropsychiatrica</i> , <b>2021</b> , 33, 217-241  | 3.9 | 0 |
| 2  | TINY IN SIZE, BIG IN IMPACT: EXTRACELLULAR VESICLES AS MODULATORS OF MOOD, ANXIETY AND NEURODEVELOPMENTAL DISORDERS.. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2022</b> , 104582                                   | 9   | 0 |
| 1  | Treatment with nitric oxide synthesis inhibitors decreases global DNA methylation in the ventral hippocampus of rats submitted to learned helplessness. <i>European Neuropsychopharmacology</i> , <b>2016</b> , 26, S245     | 1.2 |   |