

Maurizio Popoli

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91 papers	5,632 citations	39 h-index	74 g-index
95 ext. papers	6,488 ext. citations	6.1 avg, IF	5.79 L-index

#	Paper	IF	Citations
91	miRNome Profiling Detects miR-101-3p and miR-142-5p as Putative Blood Biomarkers of Frailty Syndrome.. <i>Genes</i> , 2022 , 13,	4.2	1
90	Acute Ketamine Facilitates Fear Memory Extinction in a Rat Model of PTSD Along With Restoring Glutamatergic Alterations and Dendritic Atrophy in the Prefrontal Cortex.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 759626	5.6	3
89	The Potential Role of miRNAs in Cognitive Frailty. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 763110	5.3	3
88	Apocynin Prevents Anxiety-Like Behavior and Histone Deacetylases Overexpression Induced by Sub-Chronic Stress in Mice. <i>Biomolecules</i> , 2021 , 11,	5.9	1
87	Modulation by chronic stress and ketamine of ionotropic AMPA/NMDA and metabotropic glutamate receptors in the rat hippocampus. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2021 , 104, 110033	5.5	10
86	Positive AMPA receptor modulation in the treatment of neuropsychiatric disorders: A long and winding road. <i>Drug Discovery Today</i> , 2021 , 26, 2816-2838	8.8	6
85	miR-9-5p is involved in the rescue of stress-dependent dendritic shortening of hippocampal pyramidal neurons induced by acute antidepressant treatment with ketamine. <i>Neurobiology of Stress</i> , 2021 , 15, 100381	7.6	5
84	The stressed synapse 2.0: pathophysiological mechanisms in stress-related neuropsychiatric disorders. <i>Nature Reviews Neuroscience</i> , 2021 ,	13.5	9
83	BDNF Val66Met polymorphism alters food intake and hypothalamic BDNF expression in mice. <i>Journal of Cellular Physiology</i> , 2020 , 235, 9667-9675	7	4
82	Structural Plasticity and Molecular Markers in Hippocampus of Male Rats after Acute Stress. <i>Neuroscience</i> , 2020 , 438, 100-115	3.9	4
81	Gene expression signature of antidepressant treatment response/non-response in Flinders Sensitive Line rats subjected to maternal separation. <i>European Neuropsychopharmacology</i> , 2020 , 31, 69-85	1.2	4
80	Depression-Associated Gene Pathway Is Altered by Antidepressant Treatment. <i>Cells</i> , 2020 , 9,	7.9	3
79	Kynurenine pathway is altered in BDNF Val66Met knock-in mice: Effect of physical exercise. <i>Brain, Behavior, and Immunity</i> , 2020 , 89, 440-450	16.6	6
78	SRF and SRF β Splicing Isoform Recruit Corepressor LSD1/KDM1A Modifying Structural Neuroplasticity and Environmental Stress Response. <i>Molecular Neurobiology</i> , 2020 , 57, 393-407	6.2	8
77	S-Ketamine Reverses Hippocampal Dendritic Spine Deficits in Flinders Sensitive Line Rats Within 1h of Administration. <i>Molecular Neurobiology</i> , 2019 , 56, 7368-7379	6.2	19
76	Acute Inescapable Stress Rapidly Increases Synaptic Energy Metabolism in Prefrontal Cortex and Alters Working Memory Performance. <i>Cerebral Cortex</i> , 2019 , 29, 4948-4957	5.1	12
75	Chronic mild stress induces anhedonic behavior and changes in glutamate release, BDNF trafficking and dendrite morphology only in stress vulnerable rats. The rapid restorative action of ketamine. <i>Neurobiology of Stress</i> , 2019 , 10, 100160	7.6	50

74	Chronic social defeat stress differentially regulates the expression of transcripts and epigenetic modifying enzymes in susceptible and resilient mice. <i>World Journal of Biological Psychiatry</i> , 2019 , 20, 555-566	3.8	18
73	Glutamatergic Neurotransmission: Pathway to Developing Novel Rapid-Acting Antidepressant Treatments. <i>International Journal of Neuropsychopharmacology</i> , 2019 , 22, 119-135	5.8	70
72	What Acute Stress Protocols Can Tell Us About PTSD and Stress-Related Neuropsychiatric Disorders. <i>Frontiers in Pharmacology</i> , 2018 , 9, 758	5.6	30
71	Global epigenetic analysis of BDNF Val66Met mice hippocampus reveals changes in dendrite and spine remodeling genes. <i>Hippocampus</i> , 2018 , 28, 783-795	3.5	9
70	Sub-Chronic Stress Exacerbates the Pro-Thrombotic Phenotype in BDNF Mice: Gene-Environment Interaction in the Modulation of Arterial Thrombosis. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	7
69	Temporal Dynamics of Acute Stress-Induced Dendritic Remodeling in Medial Prefrontal Cortex and the Protective Effect of Desipramine. <i>Cerebral Cortex</i> , 2017 , 27, 694-705	5.1	32
68	Apocynin Prevents Abnormal Megakaryopoiesis and Platelet Activation Induced by Chronic Stress. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 9258937	6.7	8
67	Acute or Chronic? A Stressful Question. <i>Trends in Neurosciences</i> , 2017 , 40, 525-535	13.3	44
66	The expression of plasticity-related genes in an acute model of stress is modulated by chronic desipramine in a time-dependent manner within medial prefrontal cortex. <i>European Neuropsychopharmacology</i> , 2017 , 27, 19-28	1.2	13
65	LSD1 modulates stress-evoked transcription of immediate early genes and emotional behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 3651-6	11.5	49
64	Acute Footshock Stress Induces Time-Dependent Modifications of AMPA/NMDA Protein Expression and AMPA Phosphorylation. <i>Neural Plasticity</i> , 2016 , 2016, 7267865	3.3	21
63	Social Isolation Stress Induces Anxious-Depressive-Like Behavior and Alterations of Neuroplasticity-Related Genes in Adult Male Mice. <i>Neural Plasticity</i> , 2016 , 2016, 6212983	3.3	129
62	Brain-Derived Neurotrophic Factor Val66Met Human Polymorphism Impairs the Beneficial Exercise-Induced Neurobiological Changes in Mice. <i>Neuropsychopharmacology</i> , 2016 , 41, 3070-3079	8.7	53
61	Altered mechanisms underlying the abnormal glutamate release in amyotrophic lateral sclerosis at a pre-symptomatic stage of the disease. <i>Neurobiology of Disease</i> , 2016 , 95, 122-33	7.5	19
60	Functional and structural remodeling of glutamate synapses in prefrontal and frontal cortex induced by behavioral stress. <i>Frontiers in Psychiatry</i> , 2015 , 6, 60	5	45
59	Physical exercise and acute restraint stress differentially modulate hippocampal brain-derived neurotrophic factor transcripts and epigenetic mechanisms in mice. <i>Hippocampus</i> , 2015 , 25, 1380-92	3.5	53
58	Expression and Dendritic Trafficking of BDNF-6 Splice Variant are Impaired in Knock-In Mice Carrying Human BDNF Val66Met Polymorphism. <i>International Journal of Neuropsychopharmacology</i> , 2015 , 18,	5.8	30
57	Synaptoproteomic analysis of a rat gene-environment model of depression reveals involvement of energy metabolism and cellular remodeling pathways. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 18,	5.8	9

56	Chronic desipramine prevents acute stress-induced reorganization of medial prefrontal cortex architecture by blocking glutamate vesicle accumulation and excitatory synapse increase. <i>International Journal of Neuropsychopharmacology</i> , 2014 , 18,	5.8	20
55	A new efficient method for synaptic vesicle quantification reveals differences between medial prefrontal cortex perforated and nonperforated synapses. <i>Journal of Comparative Neurology</i> , 2014 , 522, 284-97	3.4	26
54	Synaptic Stress, Changes in Glutamate Transmission and Circuitry, and Psychopathology 2014 , 33-52		1
53	Chronic treatment with agomelatine or venlafaxine reduces depolarization-evoked glutamate release from hippocampal synaptosomes. <i>BMC Neuroscience</i> , 2013 , 14, 75	3.2	22
52	Lost in translation. New unexplored avenues for neuropsychopharmacology: epigenetics and microRNAs. <i>Expert Opinion on Investigational Drugs</i> , 2013 , 22, 217-33	5.9	29
51	The action of antidepressants on the glutamate system: regulation of glutamate release and glutamate receptors. <i>Biological Psychiatry</i> , 2013 , 73, 1180-8	7.9	121
50	Ketamine regulates the presynaptic release machinery in the hippocampus. <i>Journal of Psychiatric Research</i> , 2013 , 47, 892-9	5.2	39
49	Behavioural consequences of two chronic psychosocial stress paradigms: anxiety without depression. <i>Psychoneuroendocrinology</i> , 2012 , 37, 702-14	5	82
48	Physical exercise and antidepressants enhance BDNF targeting in hippocampal CA3 dendrites: further evidence of a spatial code for BDNF splice variants. <i>Neuropsychopharmacology</i> , 2012 , 37, 1600-11	8.7	77
47	Synergistic mechanisms involved in the antidepressant effects of agomelatine. <i>European Neuropsychopharmacology</i> , 2012 , 22 Suppl 3, S482-6	1.2	36
46	Towards a glutamate hypothesis of depression: an emerging frontier of neuropsychopharmacology for mood disorders. <i>Neuropharmacology</i> , 2012 , 62, 63-77	5.5	669
45	ErbB3 mRNA leukocyte levels as a biomarker for major depressive disorder. <i>BMC Psychiatry</i> , 2012 , 12, 145	4.2	15
44	The stressed synapse: the impact of stress and glucocorticoids on glutamate transmission. <i>Nature Reviews Neuroscience</i> , 2011 , 13, 22-37	13.5	907
43	Antidepressant treatments change 5-HT _{2C} receptor mRNA expression in rat prefrontal/frontal cortex and hippocampus. <i>Neuropsychobiology</i> , 2011 , 63, 160-8	4	34
42	Mode of action of agomelatine: synergy between melatonergic and 5-HT _{2C} receptors. <i>World Journal of Biological Psychiatry</i> , 2011 , 12, 574-87	3.8	163
41	Stress, glucocorticoids and glutamate release: effects of antidepressant drugs. <i>Neurochemistry International</i> , 2011 , 59, 138-49	4.4	82
40	Chronic antidepressant treatments induce a time-dependent up-regulation of AMPA receptor subunit protein levels. <i>Neurochemistry International</i> , 2011 , 59, 896-905	4.4	54
39	Synaptoproteomics of learned helpless rats involve energy metabolism and cellular remodeling pathways in depressive-like behavior and antidepressant response. <i>Neuropharmacology</i> , 2011 , 60, 1243-53	5.5	40

38	Abnormalities in γ -CaMKII and related mechanisms suggest synaptic dysfunction in hippocampus of LPA1 receptor knockout mice. <i>International Journal of Neuropsychopharmacology</i> , 2011 , 14, 941-53	5.8	29
37	Abnormal exocytotic release of glutamate in a mouse model of amyotrophic lateral sclerosis. <i>Journal of Neurochemistry</i> , 2011 , 116, 1028-42	6	50
36	Differential expression of synaptic proteins after chronic restraint stress in rat prefrontal cortex and hippocampus. <i>Brain Research</i> , 2011 , 1385, 26-37	3.7	54
35	Acute stress increases depolarization-evoked glutamate release in the rat prefrontal/frontal cortex: the dampening action of antidepressants. <i>PLoS ONE</i> , 2010 , 5, e8566	3.7	179
34	Early-life stress and antidepressants modulate peripheral biomarkers in a gene-environment rat model of depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2010 , 34, 1037-48	5.5	71
33	The pharmacological properties of antidepressants. <i>International Clinical Psychopharmacology</i> , 2010 , 25, 117-31	2.2	59
32	Early-life stress and antidepressant treatment involve synaptic signaling and Erk kinases in a gene-environment model of depression. <i>Journal of Psychiatric Research</i> , 2010 , 44, 511-20	5.2	48
31	Blockade of stress-induced increase of glutamate release in the rat prefrontal/frontal cortex by agomelatine involves synergy between melatonergic and 5-HT _{2C} receptor-dependent pathways. <i>BMC Neuroscience</i> , 2010 , 11, 68	3.2	40
30	Expression profiling of a genetic animal model of depression reveals novel molecular pathways underlying depressive-like behaviours. <i>PLoS ONE</i> , 2010 , 5, e12596	3.7	29
29	Remodelling by early-life stress of NMDA receptor-dependent synaptic plasticity in a gene-environment rat model of depression. <i>International Journal of Neuropsychopharmacology</i> , 2009 , 12, 553-9	5.8	53
28	Early induction of CREB activation and CREB-regulating signalling by antidepressants. <i>International Journal of Neuropsychopharmacology</i> , 2009 , 12, 1367-81	5.8	38
27	Agomelatine: innovative pharmacological approach in depression. <i>CNS Drugs</i> , 2009 , 23 Suppl 2, 27-34	6.7	30
26	Cellular and molecular mechanisms in the long-term action of antidepressants. <i>Dialogues in Clinical Neuroscience</i> , 2008 , 10, 385-400	5.7	106
25	How can drug discovery for psychiatric disorders be improved?. <i>Nature Reviews Drug Discovery</i> , 2007 , 6, 189-201	64.1	186
24	Chronic antidepressants induce redistribution and differential activation of alphaCaM kinase II between presynaptic compartments. <i>Neuropsychopharmacology</i> , 2007 , 32, 2511-9	8.7	41
23	The interaction between the internal clock and antidepressant efficacy. <i>International Clinical Psychopharmacology</i> , 2007 , 22 Suppl 2, S9-S14	2.2	32
22	Reduced CREB phosphorylation after chronic lithium treatment is associated with down-regulation of CaM kinase IV in rat hippocampus. <i>International Journal of Neuropsychopharmacology</i> , 2007 , 10, 491-6	5.8	21
21	Long-term soluble Abeta1-40 activates CaM kinase II in organotypic hippocampal cultures. <i>Neurobiology of Aging</i> , 2007 , 28, 1388-95	5.6	10

20	Antidepressant treatments and function of glutamate ionotropic receptors mediating amine release in hippocampus. <i>Neuropharmacology</i> , 2007 , 53, 27-36	5.5	61
19	Signaling pathways regulating gene expression, neuroplasticity, and neurotrophic mechanisms in the action of antidepressants: a critical overview. <i>Pharmacological Reviews</i> , 2006 , 58, 115-34	22.5	246
18	Regulation of editing and expression of glutamate alpha-amino-propionic-acid (AMPA)/kainate receptors by antidepressant drugs. <i>Biological Psychiatry</i> , 2006 , 59, 713-20	7.9	86
17	Changes in signaling pathways regulating neuroplasticity induced by neurokinin 1 receptor knockout. <i>European Journal of Neuroscience</i> , 2005 , 21, 1370-8	3.5	6
16	Chronic antidepressants reduce depolarization-evoked glutamate release and protein interactions favoring formation of SNARE complex in hippocampus. <i>Journal of Neuroscience</i> , 2005 , 25, 3270-9	6.6	196
15	Selective phosphorylation of nuclear CREB by fluoxetine is linked to activation of CaM kinase IV and MAP kinase cascades. <i>Neuropsychopharmacology</i> , 2004 , 29, 1831-40	8.7	159
14	Expression and phosphorylation of delta-CaM kinase II in cultured Alzheimer fibroblasts. <i>Neurobiology of Aging</i> , 2004 , 25, 1187-96	5.6	6
13	Antidepressants activate CaMKII in neuron cell body by Thr286 phosphorylation. <i>NeuroReport</i> , 2004 , 15, 2393-6	1.7	34
12	Selective regulation of presynaptic calcium/calmodulin-dependent protein kinase II by psychotropic drugs. <i>Biological Psychiatry</i> , 2003 , 53, 442-9	7.9	34
11	Modulation of synaptic plasticity by stress and antidepressants. <i>Bipolar Disorders</i> , 2002 , 4, 166-82	3.8	97
10	Association between promoter polymorphic haplotypes of interleukin-10 gene and schizophrenia. <i>Biological Psychiatry</i> , 2002 , 51, 480-4	7.9	71
9	Serine/threonine kinases as molecular targets of antidepressants: implications for pharmacological treatment and pathophysiology of affective disorders 2001 , 89, 149-70		25
8	Long-term treatment with S-adenosylmethionine induces changes in presynaptic CaM kinase II and synapsin I. <i>Biological Psychiatry</i> , 2001 , 50, 337-44	7.9	10
7	Second messenger-regulated protein kinases in the brain: their functional role and the action of antidepressant drugs. <i>Journal of Neurochemistry</i> , 2000 , 74, 21-33	6	96
6	Changes of synaptotagmin interaction with t-SNARE proteins in vitro after calcium/calmodulin-dependent phosphorylation. <i>Journal of Neurochemistry</i> , 2000 , 74, 209-21	6	48
5	Modification of presynaptic CaM kinase II affinity for ATP in hippocampus after long term blockade of serotonin reuptake. <i>Life Sciences</i> , 2000 , 67, 1959-67	6.8	4
4	Ca ²⁺ /phospholipid-binding and syntaxin-binding of native synaptotagmin I. <i>Life Sciences</i> , 1997 , 61, 711-21	21.8	14
3	Long-term blockade of serotonin reuptake affects synaptotagmin phosphorylation in the hippocampus. <i>Molecular Pharmacology</i> , 1997 , 51, 19-26	4.3	32

2	Synaptotagmin is endogenously phosphorylated by Ca ²⁺ /calmodulin protein kinase II in synaptic vesicles. <i>FEBS Letters</i> , 1993 , 317, 85-8	3.8	56
1	A hemagglutinin specific for sialic acids in a rat brain synaptic vesicle-enriched fraction. <i>Neurochemical Research</i> , 1988 , 13, 63-7	4.6	16