

Irena Nalepa

List of Publications by Citations

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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.

82
papers

1,156
citations

20
h-index

29
g-index

88
ext. papers

1,322
ext. citations

4.2
avg, IF

4.05
L-index

#	Paper	IF	Citations
82	Antidepressants: past, present and future. <i>European Journal of Pharmacology</i> , 2000 , 405, 351-63	5.3	93
81	Norepinephrine-independent regulation of GR11 mRNA in vivo by a tricyclic antidepressant. <i>Brain Research</i> , 1995 , 687, 79-82	3.7	53
80	Behavioural and biochemical studies of citalopram and WAY 100635 in rat chronic mild stress model. <i>Pharmacology Biochemistry and Behavior</i> , 2002 , 72, 465-74	3.9	46
79	Increased responsiveness of the cerebral cortical phosphatidylinositol system to noradrenaline and carbachol in senescent rats. <i>Neuroscience Letters</i> , 1989 , 107, 195-9	3.3	43
78	Minocycline influences the anti-inflammatory interleukins and enhances the effectiveness of morphine under mice diabetic neuropathy. <i>Journal of Neuroimmunology</i> , 2013 , 262, 35-45	3.5	41
77	Enhancement of the responsiveness of cortical adrenergic receptors by chronic administration of the 5-hydroxytryptamine uptake inhibitor citalopram. <i>Journal of Neurochemistry</i> , 1993 , 60, 2029-35	6	39
76	A possible physiological role for cerebral tetrahydroisoquinolines. <i>Neurotoxicity Research</i> , 2003 , 5, 147-54	5.3	37
75	Prenatal stress affects insulin-like growth factor-1 (IGF-1) level and IGF-1 receptor phosphorylation in the brain of adult rats. <i>European Neuropsychopharmacology</i> , 2014 , 24, 1546-56	1.2	33
74	Isomer-nonspecific action of dichlorodiphenyltrichloroethane on aryl hydrocarbon receptor and G-protein-coupled receptor 30 intracellular signaling in apoptotic neuronal cells. <i>Molecular and Cellular Endocrinology</i> , 2014 , 392, 90-105	4.4	31
73	Involvement of protein kinase C in the mechanism of in vitro effects of imipramine on generation of second messengers by noradrenaline in cerebral cortical slices of the rat. <i>Neuroscience</i> , 1991 , 44, 585-90	3.9	31
72	Involvement of Macrophage Inflammatory Protein-1 Family Members in the Development of Diabetic Neuropathy and Their Contribution to Effectiveness of Morphine. <i>Frontiers in Immunology</i> , 2018 , 9, 494	8.4	30
71	Macrophages and depression - a misalliance or well-arranged marriage?. <i>Pharmacological Reports</i> , 2013 , 65, 1663-72	3.9	29
70	Novel multi-target azinesulfonamides of cyclic amine derivatives as potential antipsychotics with pro-social and pro-cognitive effects. <i>European Journal of Medicinal Chemistry</i> , 2018 , 145, 790-804	6.8	28
69	Opposite effect of simple tetrahydroisoquinolines on amphetamine- and morphine-stimulated locomotor activity in mice. <i>Journal of Neural Transmission</i> , 2001 , 108, 513-26	4.3	28
68	Reversal by imipramine of beta-adrenoceptor up-regulation induced in a chronic mild stress model of depression. <i>European Journal of Pharmacology</i> , 1994 , 261, 141-7	5.3	27
67	Repeated imipramine and electroconvulsive shock increase alpha 1A-adrenoceptor mRNA level in rat prefrontal cortex. <i>European Journal of Pharmacology</i> , 2002 , 444, 151-9	5.3	25
66	Pharmacological actions of the antidepressant venlafaxine beyond aminergic receptors. <i>International Journal of Neuropsychopharmacology</i> , 1999 , 2, 1-8	5.8	25

65	β-Adrenergic receptor subtypes in the central nervous system: insights from genetically engineered mouse models. <i>Pharmacological Reports</i> , 2013 , 65, 1489-97	3.9	24
64	Depressive-like effect of prenatal exposure to DDT involves global DNA hypomethylation and impairment of GPER1/ESR1 protein levels but not ESR2 and AHR/ARNT signaling. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017 , 171, 94-109	5.1	21
63	Inactivation of glucocorticoid receptor in noradrenergic system influences anxiety- and depressive-like behavior in mice. <i>PLoS ONE</i> , 2013 , 8, e72632	3.7	21
62	Concomitant administration of fluoxetine and amantadine modulates the activity of peritoneal macrophages of rats subjected to a forced swimming test. <i>Pharmacological Reports</i> , 2009 , 61, 1069-77	3.9	20
61	Lack of beta adrenoceptor desensitization in brain following the dual noradrenaline and serotonin reuptake inhibitor venlafaxine. <i>European Neuropsychopharmacology</i> , 1998 , 8, 227-32	1.2	19
60	Different mechanisms of beta-adrenoceptor down-regulation by chronic imipramine and electroconvulsive treatment: possible role for protein kinase C. <i>Journal of Neurochemistry</i> , 1991 , 57, 904-10	6.10	19
59	Spinal CCL1/CCR8 signaling interplay as a potential therapeutic target - Evidence from a mouse diabetic neuropathy model. <i>International Immunopharmacology</i> , 2017 , 52, 261-271	5.8	18
58	Gender differences in genetic mouse models evaluated for depressive-like and antidepressant behavior. <i>Pharmacological Reports</i> , 2013 , 65, 1580-90	3.9	18
57	Stimulation of noradrenergic transmission by reboxetine is beneficial for a mouse model of progressive parkinsonism. <i>Scientific Reports</i> , 2019 , 9, 5262	4.9	17
56	Acute and repeated treatment with the 5-HT7 receptor antagonist SB 269970 induces functional desensitization of 5-HT7 receptors in rat hippocampus. <i>Pharmacological Reports</i> , 2012 , 64, 256-65	3.9	17
55	Retrieval associated cholinergic activity and its inhibition by memory updating. <i>Life Sciences</i> , 1994 , 54, 1251-7	6.8	16
54	Brief maternal separation affects brain β-adrenoceptors and apoptotic signaling in adult mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2014 , 48, 161-9	5.5	15
53	Formalin hindpaw injection induces changes in the [3H]prazosin binding to alpha1-adrenoceptors in specific regions of the mouse brain and spinal cord. <i>Journal of Neural Transmission</i> , 2005 , 112, 1309-19	4.3	14
52	Nicotine produces antidepressant-like actions: Behavioral and neurochemical evidence. <i>European Journal of Pharmacology</i> , 2005 , 515, 128-33	5.3	13
51	Does the presence of morphine counteract adaptive changes in expression of G-protein alpha subunits mRNA induced by chronic morphine treatment?. <i>Pharmacological Reports</i> , 2007 , 59, 34-45	3.9	13
50	Transgenic mice lacking CREB and CREM in noradrenergic and serotonergic neurons respond differently to common antidepressants on tail suspension test. <i>Scientific Reports</i> , 2017 , 7, 13515	4.9	12
49	Pharmacological Blockade of Spinal CXCL3/CXCR2 Signaling by NVP CXCR2 20, a Selective CXCR2 Antagonist, Reduces Neuropathic Pain Following Peripheral Nerve Injury. <i>Frontiers in Immunology</i> , 2019 , 10, 2198	8.4	12
48	Effect of repeated administration of paroxetine and electroconvulsive shock on the proliferative response of lymphocytes and the synthesis of nitric oxide by macrophages in rats. <i>Journal of ECT</i> , 2005 , 21, 111-7	2	12

47	Neuroprotective Effect of the Endogenous Amine 1MeTIQ in an Animal Model of Parkinson's Disease. <i>Neurotoxicity Research</i> , 2016 , 29, 351-63	4.3	11
46	Suppression of pro-inflammatory cytokine expression and lack of anti-depressant-like effect of fluoxetine in lipopolysaccharide-treated old female mice. <i>International Immunopharmacology</i> , 2017 , 48, 35-42	5.8	11
45	Chronic treatment with electroconvulsive shock may modulate the immune function of macrophages. <i>Journal of ECT</i> , 2008 , 24, 260-7	2	11
44	Effects of co-administration of fluoxetine and risperidone on properties of peritoneal and pleural macrophages in rats subjected to the forced swimming test. <i>Pharmacological Reports</i> , 2012 , 64, 1368-80	3.9	10
43	Disruption of glucocorticoid receptors in the noradrenergic system leads to BDNF up-regulation and altered serotonergic transmission associated with a depressive-like phenotype in female GR(DBHCre) mice. <i>Pharmacology Biochemistry and Behavior</i> , 2015 , 137, 69-77	3.9	9
42	Effects of the noradrenergic neurotoxin DSP-4 on the expression of α -adrenoceptor subtypes after antidepressant treatment. <i>Pharmacological Reports</i> , 2011 , 63, 1349-58	3.9	9
41	The influence of electroshock on adrenoceptor function in rat brain cerebral cortex: selectivity for the alpha-adrenoceptor site. <i>European Journal of Pharmacology</i> , 1988 , 156, 143-7	5.3	9
40	Does Ca ²⁺ channel blockade modulate the antidepressant-induced changes in mechanisms of adrenergic transduction?. <i>Journal of Neural Transmission</i> , 1997 , 104, 535-47	4.3	8
39	Selective Depletion of CREB in Serotonergic Neurons Affects the Upregulation of Brain-Derived Neurotrophic Factor Evoked by Chronic Fluoxetine Treatment. <i>Frontiers in Neuroscience</i> , 2018 , 12, 637	5.1	8
38	Changes induced by formalin pain in central alpha1-adrenoceptor density are modulated by adenosine receptor agonists. <i>Journal of Neural Transmission</i> , 2010 , 117, 549-58	4.3	7
37	Splenectomy and adoptive cell transfer reveal a prominent role for splenic memory lymphocytes in the development of chronic relapsing experimental autoimmune encephalomyelitis. <i>Scandinavian Journal of Immunology</i> , 2000 , 52, 356-61	3.4	7
36	Modulation by Mianserin Pretreatment of the Chronic Electroconvulsive Shock Effects on the Adrenergic System in the Cerebral Cortex of the Rat. <i>Human Psychopharmacology</i> , 1996 , 11, 273-282	2.3	7
35	Effects of excitatory amino acids on inositol phosphate accumulation in slices of the cerebral cortex of young and aged rats. <i>Neurochemical Research</i> , 1993 , 18, 585-9	4.6	7
34	Effects of morphine and methadone treatment on mRNA expression of G β 1 subunits in rat brains. <i>Pharmacological Reports</i> , 2010 , 62, 1197-203	3.9	6
33	Magnetic field inhibits isolated lymphocytes proliferative response to mitogen stimulation. <i>Bioelectromagnetics</i> , 2005 , 26, 201-6	1.6	6
32	The Air We Breathe: Air Pollution as a Prevalent Proinflammatory Stimulus Contributing to Neurodegeneration. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 647643	6.1	6
31	Effect of cocaine sensitization on alpha1-adrenoceptors in brain regions of the rat: an autoradiographic analysis. <i>Pharmacological Reports</i> , 2006 , 58, 827-35	3.9	6
30	Morphine-induced place preference affects mRNA expression of G protein β subunits in rat brain. <i>Pharmacological Reports</i> , 2012 , 64, 546-57	3.9	5

29	Different regulation of phospholipase D activity in glioma C6 cells by sphingosine, propranolol, imipramine and phorbol ester. <i>Cellular Signalling</i> , 2000 , 12, 399-404	4.9	5
28	Effect of combined treatment with paroxetine and transcranial magnetic stimulation (TMS) on the mitogen-induced proliferative response of rat lymphocytes. <i>Polish Journal of Pharmacology</i> , 2002 , 54, 633-9		5
27	The influence of CaMKII and ERK phosphorylation on BDNF changes observed in mice selectively devoid of CREB in serotonergic or noradrenergic neurons. <i>Pharmacological Reports</i> , 2019 , 71, 753-761	3.9	4
26	Depressive-like immobility behavior and genotype × stress interactions in male mice of selected strains. <i>Stress</i> , 2016 , 19, 206-13	3	4
25	Cryptic peptide derived from the rat neuropeptide FF precursor affects G-proteins linked to opioid receptors in the rat brain. <i>Peptides</i> , 2008 , 29, 1988-93	3.8	4
24	The dopamine D4 receptor VNTR in Polish schizophrenia patients. <i>Schizophrenia Research</i> , 2005 , 73, 129-36	3.6	4
23	Chronic treatment with citalopram does not affect the expression of alpha1-adrenergic receptor (alpha1-AR) subtypes. <i>Polish Journal of Pharmacology</i> , 2004 , 56, 831-6		4
22	Fear memory-induced alterations in the mRNA expression of G proteins in the mouse brain and the impact of immediate posttraining treatment with morphine. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2019 , 93, 221-231	5.5	3
21	Selective ablation of glucocorticoid receptors in the noradrenergic system affects evening corticosterone levels in a sex-dependent manner. <i>Pharmacological Reports</i> , 2015 , 67, 1201-3	3.9	3
20	Imipramine administration induces changes in the phosphorylation of FAK and PYK2 and modulates signaling pathways related to their activity. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016 , 1860, 424-33	4	3
19	Carane derivative stereoisomers of different local anaesthetic and antiplatelet activity similarly potentiate forskolin-stimulated cyclic AMP response and bind to beta-adrenoceptors in the rat brain cortex. <i>Journal of Pharmacy and Pharmacology</i> , 2004 , 56, 1429-34	4.8	3
18	The interaction of tetrahydroisoquinoline derivatives with antinociceptive action of morphine and oxotremorine in mice. <i>Journal of Neural Transmission</i> , 2003 , 110, 1205-13	4.3	3
17	Reserpinization enhances electroconvulsive treatment effects on cortical alpha 1-adrenoceptors. <i>European Journal of Pharmacology</i> , 1988 , 157, 231-4	5.3	3
16	Assessment of a comparison of colorimetric methods used for oxytocinase determination. <i>Clinica Chimica Acta</i> , 1977 , 75, 5-8	6.2	3
15	Using reverse transcription and a competitive polymerase chain reaction for quantification of alpha1B-adrenoceptor mRNA. <i>Polish Journal of Pharmacology</i> , 2002 , 54, 401-5		3
14	Effect of cocaine on responsiveness of alpha(1)-adrenergic receptors in rat cerebral cortex: modulation by GABA-mimetic drugs. <i>Pharmacological Reports</i> , 2008 , 60, 980-4	3.9	3
13	Gender-dependent activity of CYP3A is indirectly modified by GR in the noradrenergic system. <i>Pharmacological Reports</i> , 2013 , 65, 1431-4	3.9	2
12	Centpropazine affinity to cortical noradrenergic receptors and effect on their responsiveness in the rat. <i>Journal of Pharmacy and Pharmacology</i> , 1993 , 45, 228-30	4.8	2

11	Paroxetine pretreatment does not change the effects induced in the rat cortical beta-adrenergic receptor system by repetitive transcranial magnetic stimulation and electroconvulsive shock. <i>International Journal of Neuropsychopharmacology</i> , 2010 , 13, 737-46	5.8	2
10	The Protective Effect of Repeated 1MeTIQ Administration on the Lactacystin-Induced Impairment of Dopamine Release and Decline in TH Level in the Rat Brain. <i>Neurotoxicity Research</i> , 2018 , 34, 706-716	4.3	2
9	Anticonvulsant effect of pterostilbene and its influence on the anxiety- and depression-like behavior in the pentetrazol-kindled mice: behavioral, biochemical, and molecular studies. <i>Psychopharmacology</i> , 2021 , 238, 3167-3181	4.7	2
8	Avoidance learning during antidepressant withdrawal in mice. <i>Journal of Pharmacy and Pharmacology</i> , 1991 , 43, 51-3	4.8	1
7	The effect of (-)-4-(2-hydroxy-3(N-isopropylamino)-propoxyimino)-cis-carane on basal and forskolin-stimulated accumulation of cyclic AMP in the cerebral cortical slices of the rat. <i>Journal of Pharmacy and Pharmacology</i> , 1994 , 46, 393-4	4.8	1
6	Beta down-regulation induced by repeated vasopressin treatment. <i>European Journal of Pharmacology</i> , 1990 , 178, 375-6	5.3	1
5	A lack of β A-adrenergic receptor-mediated antidepressant-like effects of S-(+)-niguldipine and B8805-033 in the forced swim test. <i>Behavioural Pharmacology</i> , 2016 , 27, 397-401	2.4	1
4	Assessment of leukocyte activity in mice devoid of the glucocorticoid receptor in the noradrenergic system (GR). <i>Immunobiology</i> , 2018 , 223, 227-238	3.4	0
3	Genetic lesions of the noradrenergic system trigger induction of oxidative stress and inflammation in the ventral midbrain.. <i>Neurochemistry International</i> , 2022 , 105302	4.4	0
2	Chronic restraint stress induces changes in the cerebral Galpha 12/13 and Rho-GTPase signaling network. <i>Pharmacological Reports</i> , 2021 , 73, 1179-1187	3.9	0
1	P-2 Effects of electroconvulsive seizures on protein kinase C-induced potentiation of cyclic AMP response are modified by pretreatment with antidepressant drugs. <i>European Neuropsychopharmacology</i> , 1996 , 6, S11	1.2	