Irena Nalepa

List of Publications by Year in Descending Order

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	Genetic lesions of the noradrenergic system trigger induction of oxidative stress and inflammation in the ventral midbrain.. *Neurochemistry International*, **2022**, 105302	4.4	0
81	Chronic restraint stress induces changes in the cerebral Galpha 12/13 and Rho-GTPase signaling network. *Pharmacological Reports*, **2021**, 73, 1179-1187	3.9	0
80	The Air We Breathe: Air Pollution as a Prevalent Proinflammatory Stimulus Contributing to Neurodegeneration. *Frontiers in Cellular Neuroscience*, **2021**, 15, 647643	6.1	6
79	Anticonvulsant effect of pterostilbene and its influence on the anxiety- and depression-like behavior in the pentetrazol-kindled mice: behavioral, biochemical, and molecular studies. *Psychopharmacology*, **2021**, 238, 3167-3181	4.7	2
78	The influence of CaMKII and ERK phosphorylation on BDNF changes observed in mice selectively devoid of CREB in serotonergic or noradrenergic neurons. *Pharmacological Reports*, **2019**, 71, 753-761	3.9	4
77	Stimulation of noradrenergic transmission by reboxetine is beneficial for a mouse model of progressive parkinsonism. *Scientific Reports*, **2019**, 9, 5262	4.9	17
76	Fear memory-induced alterations in the mRNA expression of G proteins in the mouse brain and the impact of immediate posttraining treatment with morphine. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2019**, 93, 221-231	5.5	3
75	Pharmacological Blockade of Spinal CXCL3/CXCR2 Signaling by NVP CXCR2 20, a Selective CXCR2 Antagonist, Reduces Neuropathic Pain Following Peripheral Nerve Injury. *Frontiers in Immunology*, **2019**, 10, 2198	8.4	12
74	Novel multi-target azinesulfonamides of cyclic amine derivatives as potential antipsychotics with pro-social and pro-cognitive effects. *European Journal of Medicinal Chemistry*, **2018**, 145, 790-804	6.8	28
73	Assessment of leukocyte activity in mice devoid of the glucocorticoid receptor in the noradrenergic system (GR). *Immunobiology*, **2018**, 223, 227-238	3.4	0
72	Involvement of Macrophage Inflammatory Protein-1 Family Members in the Development of Diabetic Neuropathy and Their Contribution to Effectiveness of Morphine. *Frontiers in Immunology*, **2018**, 9, 494	8.4	30
71	Selective Depletion of CREB in Serotonergic Neurons Affects the Upregulation of Brain-Derived Neurotrophic Factor Evoked by Chronic Fluoxetine Treatment. *Frontiers in Neuroscience*, **2018**, 12, 637	5.1	8
70	The Protective Effect of Repeated 1MeTIQ Administration on the Lactacystin-Induced Impairment of Dopamine Release and Decline in TH Level in the Rat Brain. *Neurotoxicity Research*, **2018**, 34, 706-716	4.3	2
69	Suppression of pro-inflammatory cytokine expression and lack of anti-depressant-like effect of fluoxetine in lipopolysaccharide-treated old female mice. *International Immunopharmacology*, **2017**, 48, 35-42	5.8	11
68	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. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 171, 94-109	5.1	21
67	Transgenic mice lacking CREB and CREM in noradrenergic and serotonergic neurons respond differently to common antidepressants on tail suspension test. *Scientific Reports*, **2017**, 7, 13515	4.9	12
66	Spinal CCL1/CCR8 signaling interplay as a potential therapeutic target - Evidence from a mouse diabetic neuropathy model. *International Immunopharmacology*, **2017**, 52, 261-271	5.8	18

65	Neuroprotective Effect of the Endogenous Amine 1MeTIQ in an Animal Model of Parkinson's Disease. *Neurotoxicity Research*, **2016**, 29, 351-63	4.3	11
64	Imipramine administration induces changes in the phosphorylation of FAK and PYK2 and modulates signaling pathways related to their activity. *Biochimica Et Biophysica Acta - General Subjects*, **2016**, 1860, 424-33	4	3
63	Depressive-like immobility behavior and genotype–stress interactions in male mice of selected strains. *Stress*, **2016**, 19, 206-13	3	4
62	A lack of α1A-adrenergic receptor-mediated antidepressant-like effects of S-(+)-niguldipine and B8805-033 in the forced swim test. *Behavioural Pharmacology*, **2016**, 27, 397-401	2.4	1
61	Selective ablation of glucocorticoid receptors in the noradrenergic system affects evening corticosterone levels in a sex-dependent manner. *Pharmacological Reports*, **2015**, 67, 1201-3	3.9	3
60	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. *Pharmacology Biochemistry and Behavior*, **2015**, 137, 69-77	3.9	9
59	Prenatal stress affects insulin-like growth factor-1 (IGF-1) level and IGF-1 receptor phosphorylation in the brain of adult rats. *European Neuropsychopharmacology*, **2014**, 24, 1546-56	1.2	33
58	Isomer-nonspecific action of dichlorodiphenyltrichloroethane on aryl hydrocarbon receptor and G-protein-coupled receptor 30 intracellular signaling in apoptotic neuronal cells. *Molecular and Cellular Endocrinology*, **2014**, 392, 90-105	4.4	31
57	Brief maternal separation affects brain α1-adrenoceptors and apoptotic signaling in adult mice. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2014**, 48, 161-9	5.5	15
56	α1-Adrenergic receptor subtypes in the central nervous system: insights from genetically engineered mouse models. *Pharmacological Reports*, **2013**, 65, 1489-97	3.9	24
55	Minocycline influences the anti-inflammatory interleukins and enhances the effectiveness of morphine under mice diabetic neuropathy. *Journal of Neuroimmunology*, **2013**, 262, 35-45	3.5	41
54	Gender differences in genetic mouse models evaluated for depressive-like and antidepressant behavior. *Pharmacological Reports*, **2013**, 65, 1580-90	3.9	18
53	Gender-dependent activity of CYP3A is indirectly modified by GR in the noradrenergic system. *Pharmacological Reports*, **2013**, 65, 1431-4	3.9	2
52	Macrophages and depression - a misalliance or well-arranged marriage?. *Pharmacological Reports*, **2013**, 65, 1663-72	3.9	29
51	Inactivation of glucocorticoid receptor in noradrenergic system influences anxiety- and depressive-like behavior in mice. *PLoS ONE*, **2013**, 8, e72632	3.7	21
50	Morphine-induced place preference affects mRNA expression of G protein β subunits in rat brain. *Pharmacological Reports*, **2012**, 64, 546-57	3.9	5
49	Acute and repeated treatment with the 5-HT7 receptor antagonist SB 269970 induces functional desensitization of 5-HT7 receptors in rat hippocampus. *Pharmacological Reports*, **2012**, 64, 256-65	3.9	17
48	Effects of co-administration of fluoxetine and risperidone on properties of peritoneal and pleural macrophages in rats subjected to the forced swimming test. *Pharmacological Reports*, **2012**, 64, 1368-80	3.9	10

47	Effects of the noradrenergic neurotoxin DSP-4 on the expression of α1-adrenoceptor subtypes after antidepressant treatment. *Pharmacological Reports*, **2011**, 63, 1349-58	3.9	9
46	Effects of morphine and methadone treatment on mRNA expression of Gα(i) subunits in rat brains. *Pharmacological Reports*, **2010**, 62, 1197-203	3.9	6
45	Paroxetine pretreatment does not change the effects induced in the rat cortical beta-adrenergic receptor system by repetitive transcranial magnetic stimulation and electroconvulsive shock. *International Journal of Neuropsychopharmacology*, **2010**, 13, 737-46	5.8	2
44	Changes induced by formalin pain in central alpha1-adrenoceptor density are modulated by adenosine receptor agonists. *Journal of Neural Transmission*, **2010**, 117, 549-58	4.3	7
43	Concomitant administration of fluoxetine and amantadine modulates the activity of peritoneal macrophages of rats subjected to a forced swimming test. *Pharmacological Reports*, **2009**, 61, 1069-77	3.9	20
42	Cryptic peptide derived from the rat neuropeptide FF precursor affects G-proteins linked to opioid receptors in the rat brain. *Peptides*, **2008**, 29, 1988-93	3.8	4
41	Chronic treatment with electroconvulsive shock may modulate the immune function of macrophages. *Journal of ECT*, **2008**, 24, 260-7	2	11
40	Effect of cocaine on responsiveness of alpha(1)-adrenergic receptors in rat cerebral cortex: modulation by GABA-mimetic drugs. *Pharmacological Reports*, **2008**, 60, 980-4	3.9	3
39	Does the presence of morphine counteract adaptive changes in expression of G-protein alpha subunits mRNA induced by chronic morphine treatment?. *Pharmacological Reports*, **2007**, 59, 34-45	3.9	13
38	Effect of cocaine sensitization on alpha1-adrenoceptors in brain regions of the rat: an autoradiographic analysis. *Pharmacological Reports*, **2006**, 58, 827-35	3.9	6
37	The dopamine D4 receptor VNTR in Polish schizophrenia patients. *Schizophrenia Research*, **2005**, 73, 129-36	3.6	4
36	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. *Journal of ECT*, **2005**, 21, 111-7	2	12
35	Nicotine produces antidepressant-like actions: Behavioral and neurochemical evidence. *European Journal of Pharmacology*, **2005**, 515, 128-33	5.3	13
34	Magnetic field inhibits isolated lymphocytesSproliferative response to mitogen stimulation. *Bioelectromagnetics*, **2005**, 26, 201-6	1.6	6
33	Formalin hindpaw injection induces changes in the [3H]prazosin binding to alpha1-adrenoceptors in specific regions of the mouse brain and spinal cord. *Journal of Neural Transmission*, **2005**, 112, 1309-19	4.3	14
32	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. *Journal of Pharmacy and Pharmacology*, **2004**, 56, 1429-34	4.8	3
31	Chronic treatment with citalopram does not affect the expression of alpha1-adrenergic receptor (alpha1-AR) subtypes. *Polish Journal of Pharmacology*, **2004**, 56, 831-6		4
30	A possible physiological role for cerebral tetrahydroisoquinolines. *Neurotoxicity Research*, **2003**, 5, 147-55	4.3	37

29	The interaction of tetrahydroisoquinoline derivatives with antinociceptive action of morphine and oxotremorine in mice. *Journal of Neural Transmission*, **2003**, 110, 1205-13	4.3	3
28	Repeated imipramine and electroconvulsive shock increase alpha 1A-adrenoceptor mRNA level in rat prefrontal cortex. *European Journal of Pharmacology*, **2002**, 444, 151-9	5.3	25
27	Behavioural and biochemical studies of citalopram and WAY 100635 in rat chronic mild stress model. *Pharmacology Biochemistry and Behavior*, **2002**, 72, 465-74	3.9	46
26	Using reverse transcription and a competitive polymerase chain reaction for quantification of alpha1B-adrenoceptor mRNA. *Polish Journal of Pharmacology*, **2002**, 54, 401-5		3
25	Effect of combined treatment with paroxetine and transcranial magnetic stimulation (TMS) on the mitogen-induced proliferative response of rat lymphocytes. *Polish Journal of Pharmacology*, **2002**, 54, 633-9		5
24	Opposite effect of simple tetrahydroisoquinolines on amphetamine- and morphine-stimulated locomotor activity in mice. *Journal of Neural Transmission*, **2001**, 108, 513-26	4.3	28
23	Splenectomy and adoptive cell transfer reveal a prominent role for splenic memory lymphocytes in the development of chronic relapsing experimental autoimmune encephalomyelitis. *Scandinavian Journal of Immunology*, **2000**, 52, 356-61	3.4	7
22	Different regulation of phospholipase D activity in glioma C6 cells by sphingosine, propranolol, imipramine and phorbol ester. *Cellular Signalling*, **2000**, 12, 399-404	4.9	5
21	Antidepressants: past, present and future. *European Journal of Pharmacology*, **2000**, 405, 351-63	5.3	93
20	Pharmacological actions of the antidepressant venlafaxine beyond aminergic receptors. *International Journal of Neuropsychopharmacology*, **1999**, 2, 1-8	5.8	25
19	Lack of beta adrenoceptor desensitization in brain following the dual noradrenaline and serotonin reuptake inhibitor venlafaxine. *European Neuropsychopharmacology*, **1998**, 8, 227-32	1.2	19
18	Does Ca2+ channel blockade modulate the antidepressant-induced changes in mechanisms of adrenergic transduction?. *Journal of Neural Transmission*, **1997**, 104, 535-47	4.3	8
17	P-2 Effects of electroconvulsive seizures on protein kinase C-induced potentiation of cyclic AMP response are modified by pretreatment with antidepressant drugs. *European Neuropsychopharmacology*, **1996**, 6, S11	1.2	
16	Modulation by Mianserin Pretreatment of the Chronic Electroconvulsive Shock Effects on the Adrenergic System in the Cerebral Cortex of the Rat. *Human Psychopharmacology*, **1996**, 11, 273-282	2.3	7
15	Norepinephrine-independent regulation of GRII mRNA in vivo by a tricyclic antidepressant. *Brain Research*, **1995**, 687, 79-82	3.7	53
14	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. *Journal of Pharmacy and Pharmacology*, **1994**, 46, 393-4	4.8	1
13	Reversal by imipramine of beta-adrenoceptor up-regulation induced in a chronic mild stress model of depression. *European Journal of Pharmacology*, **1994**, 261, 141-7	5.3	27
12	Retrieval associated cholinergic activity and its inhibition by memory updating. *Life Sciences*, **1994**, 54, 1251-7	6.8	16

11	Centpropazine affinity to cortical noradrenergic receptors and effect on their responsiveness in the rat. *Journal of Pharmacy and Pharmacology*, **1993**, 45, 228-30	4.8	2
10	Effects of excitatory amino acids on inositol phosphate accumulation in slices of the cerebral cortex of young and aged rats. *Neurochemical Research*, **1993**, 18, 585-9	4.6	7
9	Enhancement of the responsiveness of cortical adrenergic receptors by chronic administration of the 5-hydroxytryptamine uptake inhibitor citalopram. *Journal of Neurochemistry*, **1993**, 60, 2029-35	6	39
8	Avoidance learning during antidepressant withdrawal in mice. *Journal of Pharmacy and Pharmacology*, **1991**, 43, 51-3	4.8	1
7	Different mechanisms of beta-adrenoceptor down-regulation by chronic imipramine and electroconvulsive treatment: possible role for protein kinase C. *Journal of Neurochemistry*, **1991**, 57, 904-10	6	19
6	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. *Neuroscience*, **1991**, 44, 585-90	3.9	31
5	Beta down-regulation induced by repeated vasopressin treatment. *European Journal of Pharmacology*, **1990**, 178, 375-6	5.3	1
4	Increased responsiveness of the cerebral cortical phosphatidylinositol system to noradrenaline and carbachol in senescent rats. *Neuroscience Letters*, **1989**, 107, 195-9	3.3	43
3	The influence of electroshock on adrenoceptor function in rat brain cerebral cortex: selectivity for the alpha-adrenoceptor site. *European Journal of Pharmacology*, **1988**, 156, 143-7	5.3	9
2	Reserpinization enhances electroconvulsive treatment effects on cortical alpha 1-adrenoceptors. *European Journal of Pharmacology*, **1988**, 157, 231-4	5.3	3
1	Assessment of a comparison of colorimetric methods used for oxytocinase determination. *Clinica Chimica Acta*, **1977**, 75, 5-8	6.2	3