Irena Nalepa

List of Publications by Year in descending order

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85 papers	1,460 citations	304743 22 h-index	377865 34 g-index
88 all docs	88 docs citations	88 times ranked	1780 citing authors

#	Article	IF	Citations
1	Antidepressants: past, present and future. European Journal of Pharmacology, 2000, 405, 351-363.	3.5	106
2	Norepinephrine-independent regulation of GRII mRNA in vivo by a tricyclic antidepressant. Brain Research, 1995, 687, 79-82.	2.2	59
3	Minocycline influences the anti-inflammatory interleukins and enhances the effectiveness of morphine under mice diabetic neuropathy. Journal of Neuroimmunology, 2013, 262, 35-45.	2.3	54
4	Behavioural and biochemical studies of citalopram and WAY 100635 in rat chronic mild stress model. Pharmacology Biochemistry and Behavior, 2002, 72, 465-474.	2.9	50
5	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.	4.8	48
6	Increased responsiveness of the cerebral cortical phosphatidylinositol system to noradrenaline and carbachol in senescent rats. Neuroscience Letters, 1989, 107, 195-199.	2.1	45
7	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.	5.5	43
8	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, 1546-1556.	0.7	42
9	Enhancement of the responsiveness of cortical adrenergic receptors by chronic administration of the 5-hydroxytryptamine uptake inhibitor citalopram.. Journal of Neurochemistry, 1993, 60, 2029-2035.	3.9	41
10	A possible physiological role for cerebral tetrahydroisoquinolines. Neurotoxicity Research, 2003, 5, 147-155.	2.7	41
11	The Air We Breathe: Air Pollution as a Prevalent Proinflammatory Stimulus Contributing to Neurodegeneration. Frontiers in Cellular Neuroscience, 2021, 15, 647643.	3.7	41
12	Î±1-Adrenergic receptor subtypes in the central nervous system: insights from genetically engineered mouse models. Pharmacological Reports, 2013, 65, 1489-1497.	3.3	36
13	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.	3.2	35
14	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, 585-590.	2.3	33
15	Pharmacological actions of the antidepressant venlafaxine beyond aminergic receptors. International Journal of Neuropsychopharmacology, 1999, 2, 1-8.	2.1	33
16	Opposite effect of simple tetrahydroisoquinolines on amphetamine- and morphine-stimulated locomotor activity in mice. Journal of Neural Transmission, 2001, 108, 513-526.	2.8	33
17	Macrophages and depression â€“ A misalliance or well-arranged marriage?. Pharmacological Reports, 2013, 65, 1663-1672.	3.3	31
18	Spinal CCL1/CCR8 signaling interplay as a potential therapeutic target â€“ Evidence from a mouse diabetic neuropathy model. International Immunopharmacology, 2017, 52, 261-271.	3.8	31

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19	Repeated imipramine and electroconvulsive shock increase Î±1A-adrenoceptor mRNA level in rat prefrontal cortex. European Journal of Pharmacology, 2002, 444, 151-159.	3.5	29
20	Reversal by imipramine of Î²-adrenoceptor up-regulation induced in a chronic mild stress model of depression. European Journal of Pharmacology, 1994, 261, 141-147.	3.5	28
21	Inactivation of Glucocorticoid Receptor in Noradrenergic System Influences Anxiety- and Depressive-Like Behavior in Mice. PLoS ONE, 2013, 8, e72632.	2.5	28
22	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.	4.8	27
23	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.	2.5	26
24	Lack of Î² adrenoceptor desensitization in brain following the dual noradrenaline and serotonin reuptake inhibitor venlafaxine1The studies reported in this paper were conducted while Irena Nalepa was a Visiting Scientist from the Institute of Pharmacology of the Polish Academy of Sciences, Krakow, Poland.1. European Neuropsychopharmacology, 1998, 8, 227-232.	0.7	22
25	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.	3.3	22
26	Concomitant administration of fluoxetine and amantadine modulates the activity of peritoneal macrophages of rats subjected to a forced swimming test. Pharmacological Reports, 2009, 61, 1069-1077.	3.3	21
27	Gender differences in genetic mouse models evaluated for depressive-like and antidepressant behavior. Pharmacological Reports, 2013, 65, 1580-1590.	3.3	21
28	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, 256-265.	3.3	20
29	Different Mechanisms of ?-Adrenoceptor Down-Regulation by Chronic Imipramine and Electroconvulsive Treatment: Possible Role for Protein Kinase C. Journal of Neurochemistry, 1991, 57, 904-910.	3.9	19
30	Brief maternal separation affects brain Î±1-adrenoceptors and apoptotic signaling in adult mice. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2014, 48, 161-169.	4.8	19
31	Stimulation of noradrenergic transmission by reboxetine is beneficial for a mouse model of progressive parkinsonism. Scientific Reports, 2019, 9, 5262.	3.3	19
32	Retrieval associated cholinergic activity and its inhibition by memory updating. Life Sciences, 1994, 54, 1251-1257.	4.3	16
33	Nicotine produces antidepressant-like actions: Behavioral and neurochemical evidence. European Journal of Pharmacology, 2005, 515, 128-133.	3.5	15
34	Formalin hindpaw injection induces changes in the [3H]prazosin binding to Î±1-adrenoceptors in specific regions of the mouse brain and spinal cord. Journal of Neural Transmission, 2005, 112, 1309-1319.	2.8	15
35	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.	3.8	15
36	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.	3.1	15

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37	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, 111-117.	0.6	14
38	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, 1368-1380.	3.3	14
39	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.	2.8	14
40	Chronic Treatment With Electroconvulsive Shock May Modulate the Immune Function of Macrophages. Journal of ECT, 2008, 24, 260-267.	0.6	13
41	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.	3.3	13
42	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 GRDBHCre mice. Pharmacology Biochemistry and Behavior, 2015, 137, 69-77.	2.9	12
43	Neuroprotective Effect of the Endogenous Amine 1MeTIQ in an Animal Model of Parkinsonâ€™s Disease. Neurotoxicity Research, 2016, 29, 351-363.	2.7	11
44	The influence of electroshock on adrenoceptor function in rat brain cerebral cortex: selectivity for the Î±-adrenoceptor site. European Journal of Pharmacology, 1988, 156, 143-147.	3.5	10
45	Effects of the noradrenergic neurotoxin DSP-4 on the expression of Î±1-adrenoceptor subtypes after antidepressant treatment. Pharmacological Reports, 2011, 63, 1349-1358.	3.3	10
46	Does Ca2+ channel blockade modulate the antidepressant-induced changes in mechanisms of adrenergic transduction?. Journal of Neural Transmission, 1997, 104, 535-547.	2.8	9
47	Effects of excitatory amino acids on inositol phosphate accumulation in slices of the cerebral cortex of young and aged rats. Neurochemical Research, 1993, 18, 585-589.	3.3	7
48	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.	1.5	7
49	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, 356-361.	2.7	7
50	Magnetic field inhibits isolated lymphocytes' proliferative response to mitogen stimulation. Bioelectromagnetics, 2005, 26, 201-206.	1.6	7
51	Changes induced by formalin pain in central Î±1-adrenoceptor density are modulated by adenosine receptor agonists. Journal of Neural Transmission, 2010, 117, 549-558.	2.8	7
52	Effects of morphine and methadone treatment on mRNA expression of GÎ±(i) subunits in rat brains. Pharmacological Reports, 2010, 62, 1197-1203.	3.3	7
53	Selective ablation of glucocorticoid receptors in the noradrenergic system affects evening corticosterone levels in a sex-dependent manner. Pharmacological Reports, 2015, 67, 1201-1203.	3.3	7
54	Depressive-like immobility behavior and genotypeâ€‰Ã—â€‰stress interactions in male mice of selected strains. Stress, 2016, 19, 206-213.	1.8	7

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55	Carane derivative stereoisomers of different local anaesthetic and antiplatelet activity similarly potentiate forskolin-stimulated cyclic AMP response and bind to Î²-adrenoceptors in the rat brain cortex. Journal of Pharmacy and Pharmacology, 2010, 56, 1429-1434.	2.4	6
56	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.	4.8	6
57	Chronic restraint stress induces changes in the cerebral Galpha 12/13 and Rho-GTPase signaling network. Pharmacological Reports, 2021, 73, 1179-1187.	3.3	6
58	Effect of cocaine sensitization on alpha1-adrenoceptors in brain regions of the rat: an autoradiographic analysis. Pharmacological Reports, 2006, 58, 827-35.	3.3	6
59	Different regulation of phospholipase D activity in glioma C6 cells by sphingosine, propranolol, imipramine and phorbol ester. Cellular Signalling, 2000, 12, 399-404.	3.6	5
60	The dopamine D4 receptor VNTR in Polish schizophrenia patients. Schizophrenia Research, 2005, 73, 129-131.	2.0	5
61	Morphine-induced place preference affects mRNA expression of G protein Î± subunits in rat brain. Pharmacological Reports, 2012, 64, 546-557.	3.3	5
62	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.	3.3	5
63	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.	0.3	5
64	Cryptic peptide derived from the rat neuropeptide FF precursor affects G-proteins linked to opioid receptors in the rat brain. Peptides, 2008, 29, 1988-1993.	2.4	4
65	Psychosocial Crowding Stress-Induced Changes in Synaptic Transmission and Glutamate Receptor Expression in the Rat Frontal Cortex. Biomolecules, 2021, 11, 294.	4.0	4
66	Chronic treatment with citalopram does not affect the expression of alpha1-adrenergic receptor (alpha1-AR) subtypes. Polish Journal of Pharmacology, 2004, 56, 831-6.	0.3	4
67	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.	3.3	4
68	Assessment of a comparison of colorimetric methods used for oxytocinase determination. Clinica Chimica Acta, 1977, 75, 5-8.	1.1	3
69	Reserpinization enhances electroconvulsive treatment effects on cortical Î±1-adrenoceptors. European Journal of Pharmacology, 1988, 157, 231-234.	3.5	3
70	The interaction of tetrahydroisoquinoline derivatives with antinociceptive action of morphine and oxotremorine in mice. Journal of Neural Transmission, 2003, 110, 1205-1213.	2.8	3
71	Centpropazine affinity to cortical noradrenergic receptors and effect on their responsiveness in the rat*. Journal of Pharmacy and Pharmacology, 2011, 45, 228-230.	2.4	3
72	Gender-dependent activity of CYP3A is indirectly modified by GR in the noradrenergic system. Pharmacological Reports, 2013, 65, 1431-1434.	3.3	3

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73	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, 424-433.	2.4	3
74	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.	2.7	3
75	Metabolic Response of RAW 264.7 Macrophages to Exposure to Crude Particulate Matter and a Reduced Content of Organic Matter. Toxics, 2021, 9, 205.	3.7	3
76	Genetic lesions of the noradrenergic system trigger induction of oxidative stress and inflammation in the ventral midbrain. Neurochemistry International, 2022, 155, 105302.	3.8	3
77	Using reverse transcription and a competitive polymerase chain reaction for quantification of alpha1B-adrenoceptor mRNA. Polish Journal of Pharmacology, 2002, 54, 401-5.	0.3	3
78	Paroxetine pretreatment does not change the effects induced in the rat cortical Î²-adrenergic receptor system by repetitive transcranial magnetic stimulation and electroconvulsive shock. International Journal of Neuropsychopharmacology, 2010, 13, 737-746.	2.1	2
79	Avoidance learning during antidepressant withdrawal in mice. Journal of Pharmacy and Pharmacology, 2011, 43, 51-53.	2.4	2
80	Assessment of leukocyte activity in mice devoid of the glucocorticoid receptor in the noradrenergic system (GR DBHCre). Immunobiology, 2018, 223, 227-238.	1.9	2
81	Î² down-regulation induced by repeated vasopressin treatment. European Journal of Pharmacology, 1990, 178, 375-376.	3.5	1
82	The effect of (â€”)-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, 2011, 46, 393-394.	2.4	1
83	A lack of Î±1A-adrenergic receptor-mediated antidepressant-like effects of S-(+)-niguldipine and B8805-033 in the forced swim test. Behavioural Pharmacology, 2016, 27, 397-401.	1.7	1
84	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.	0.7	0
85	Antidepressants Differentially Regulate Intracellular Signaling from Î±1-Adrenergic Receptor Subtypes In Vitro. International Journal of Molecular Sciences, 2021, 22, 4817.	4.1	0