Agnieszka Basta-Kaim

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Gender-specific behavioral and immunological alterations in an animal model of autism induced by prenatal exposure to valproic acid. Psychoneuroendocrinology, 2008, 33, 728-740.	2.7	258
2	Prenatal stress is a vulnerability factor for altered morphology and biological activity of microglia cells. Frontiers in Cellular Neuroscience, 2015, 9, 82.	3.7	108
3	Stimulatory effect of antidepressants on the production of IL-6. International Immunopharmacology, 2004, 4, 185-192.	3.8	103
4	The effect of antidepressant drugs on the HPA axis activity, glucocorticoid receptor level and FKBP51 concentration in prenatally stressed rats. Psychoneuroendocrinology, 2009, 34, 822-832.	2.7	103
5	A new animal model of (chronic) depression induced by repeated and intermittent lipopolysaccharide administration for 4months. Brain, Behavior, and Immunity, 2013, 31, 96-104.	4.1	99
6	Prolonged desipramine treatment increases the production of interleukin-10, an anti-inflammatory cytokine, in C57BL/6 mice subjected to the chronic mild stress model of depression. Journal of Affective Disorders, 2001, 63, 171-178.	4.1	96
7	Targeting the NLRP3 Inflammasome-Related Pathways via Tianeptine Treatment-Suppressed Microglia Polarization to the M1 Phenotype in Lipopolysaccharide-Stimulated Cultures. International Journal of Molecular Sciences, 2018, 19, 1965.	4.1	84
8	Blockade of IL-18 signaling diminished neuropathic pain and enhanced the efficacy of morphine and buprenorphine. Molecular and Cellular Neurosciences, 2016, 71, 114-124.	2.2	65
9	Beneficial properties of maraviroc on neuropathic pain development and opioid effectiveness in rats. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2016, 64, 68-78.	4.8	60
10	Neuroendocrine link between stress, depression and diabetes. Pharmacological Reports, 2013, 65, 1591-1600.	3.3	59
11	Maternal immune activation leads to age-related behavioral and immunological changes in male rat offspring - the effect of antipsychotic drugs. Pharmacological Reports, 2012, 64, 1400-1410.	3.3	56
12	Maternal stress predicts altered biogenesis and the profile of mitochondrial proteins in the frontal cortex and hippocampus of adult offspring rats. Psychoneuroendocrinology, 2015, 60, 151-162.	2.7	55
13	Direct and indirect pharmacological modulation of CCL2/CCR2 pathway results in attenuation of neuropathic pain $\hat{a} \in $ " In vivo and in vitro evidence. Journal of Neuroimmunology, 2016, 297, 9-19.	2.3	54
14	Possible contribution of IGF-1 to depressive disorder. Pharmacological Reports, 2013, 65, 1622-1631.	3.3	51
15	Mitochondrial Aldehyde Dehydrogenase Activation by Aldaâ€1 Inhibits Atherosclerosis and Attenuates Hepatic Steatosis in Apolipoprotein Eâ€Knockout Mice. Journal of the American Heart Association, 2014, 3, e001329.	3.7	51
16	Effect of mild chronic stress, as a model of depression, on the immunoreactivity of C57BLâ§¹6 mice. International Journal of Immunopharmacology, 1998, 20, 781-789.	1.1	50
17	Antipsychotic Drugs Inhibit the Human Corticotropin-Releasing-Hormone Gene Promoter Activity in Neuro-2A Cells—an Involvement of Protein Kinases. Neuropsychopharmacology, 2006, 31, 853-865.	5.4	49
18	The Potential Role of Dysfunctions in Neuron-Microglia Communication in the Pathogenesis of Brain Disorders. Current Neuropharmacology, 2020, 18, 408-430.	2.9	49

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19	Hyperactivity of the hypothalamus–pituitary–adrenal axis in lipopolysaccharide-induced neurodevelopmental model of schizophrenia in rats: Effects of antipsychotic drugs. European Journal of Pharmacology, 2011, 650, 586-595.	3.5	43
20	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
21	The impact of prenatal stress on insulin-like growth factor-1 and pro-inflammatory cytokine expression in the brains of adult male rats: The possible role of suppressors of cytokine signaling proteins. Journal of Neuroimmunology, 2014, 276, 37-46.	2.3	41
22	Age-dependent stimulatory effect of desipramine and fluoxetine pretreatment on metastasis formation by B16F10 melanoma in male C57BL/6 mice. Pharmacological Reports, 2009, 61, 1113-1126.	3.3	40
23	Elevated Brain Glucose and Glycogen Concentrations in an Animal Model of Depression. Neuroendocrinology, 2014, 100, 178-190.	2.5	39
24	The Immune Profile of Major Dysmood Disorder: Proof of Concept and Mechanism Using the Precision Nomothetic Psychiatry Approach. Cells, 2022, 11, 1183.	4.1	38
25	Adverse Childhood Experiences Predict the Phenome of Affective Disorders and These Effects Are Mediated by Staging, Neuroimmunotoxic and Growth Factor Profiles. Cells, 2022, 11, 1564.	4.1	38
26	The effect of chronic treatment with imipramine on the immunoreactivity of animals subjected to a chronic mild stress model of depression. Immunopharmacology, 1995, 30, 225-230.	2.0	37
27	Novel ureidopropanamide based N-formyl peptide receptor 2 (FPR2) agonists with potential application for central nervous system disorders characterized by neuroinflammation. European Journal of Medicinal Chemistry, 2017, 141, 703-720.	5.5	36
28	Curcumin influences semen quality parameters and reverses the di(2-ethylhexyl)phthalate (DEHP)-induced testicular damage in mice. Pharmacological Reports, 2014, 66, 782-787.	3.3	35
29	Level of S100B protein, neuron specific enolase, orexin A, adiponectin and insulin-like growth factor in serum of pediatric patients suffering from sleep disorders with or without epilepsy. Pharmacological Reports, 2012, 64, 1427-1433.	3.3	34
30	The Modulatory Properties of Chronic Antidepressant Drugs Treatment on the Brain Chemokine – Chemokine Receptor Network: A Molecular Study in an Animal Model of Depression. Frontiers in Pharmacology, 2017, 8, 779.	3.5	34
31	The prenatal challenge with lipopolysaccharide and polyinosinic:polycytidylic acid disrupts CX3CL1-CX3CR1 and CD200-CD200R signalling in the brains of male rat offspring: a link to schizophrenia-like behaviours. Journal of Neuroinflammation, 2020, 17, 247.	7.2	34
32	Prenatal administration of lipopolysaccharide induces sex-dependent changes in glutamic acid decarboxylase and parvalbumin in the adult rat brain. Neuroscience, 2015, 287, 78-92.	2.3	33
33	A Potential Contribution of Chemokine Network Dysfunction to the Depressive Disorders. Current Neuropharmacology, 2016, 14, 705-720.	2.9	33
34	Beneficial impact of intracerebroventricular fractalkine administration on behavioral and biochemical changes induced by prenatal stress in adult rats: Possible role of NLRP3 inflammasome pathway. Biochemical Pharmacology, 2016, 113, 45-56.	4.4	31
35	Inhibitory effects of 1,25-dihydroxyvitamin D3 and its low-calcemic analogues on staurosporine-induced apoptosis. Pharmacological Reports, 2007, 59, 393-401.	3.3	31
36	The Effect of Chronic Mild Stress and Imipramine on the Markers of Oxidative Stress and Antioxidant System in Rat Liver. Neurotoxicity Research, 2016, 30, 173-184.	2.7	30

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37	Prenatal stress decreases glycogen synthase kinase-3 phosphorylation in the rat frontal cortex. Pharmacological Reports, 2009, 61, 612-620.	3.3	29
38	Inhibitory effect of antidepressants on B16F10 melanoma tumor growth. Pharmacological Reports, 2013, 65, 672-681.	3.3	29
39	Formyl peptide receptor 2, as an important target for ligands triggering the inflammatory response regulation: a link to brain pathology. Pharmacological Reports, 2021, 73, 1004-1019.	3.3	29
40	Inhibitory effects of amantadine on the production of pro-inflammatory cytokines by stimulated in vitro human blood. Pharmacological Reports, 2009, 61, 1105-1112.	3.3	27
41	The impact of mitochondrial aldehyde dehydrogenase (ALDH2) activation by Alda-1 on the behavioral and biochemical disturbances in animal model of depression. Brain, Behavior, and Immunity, 2016, 51, 144-153.	4.1	27
42	Regulation of the Human Corticotropin-Releasing-Hormone Gene Promoter Activity by Antidepressant Drugs in Neuro-2A and AtT-20 Cells. Neuropsychopharmacology, 2004, 29, 785-794.	5.4	26
43	Prenatal lipopolysaccharide treatment enhances MK-801-induced psychotomimetic effects in rats. Pharmacology Biochemistry and Behavior, 2011, 98, 241-249.	2.9	26
44	Immunosuppression Induced by a Conditioned Stimulus Associated With Cocaine Self-Administration. Journal of Pharmacological Sciences, 2008, 107, 361-369.	2.5	25
45	Stress-induced alterations in 5-HT1A receptor transcriptional modulators NUDR and Freud-1. International Journal of Neuropsychopharmacology, 2014, 17, 1763-1775.	2.1	24
46	The Beneficial Impact of Antidepressant Drugs on Prenatal Stress-Evoked Malfunction of the Insulin-Like Growth Factor-1 (IGF-1) Protein Family in the Olfactory Bulbs of Adult Rats. Neurotoxicity Research, 2016, 29, 288-298.	2.7	23
47	Prenatal Stress Enhances Excitatory Synaptic Transmission and Impairs Long-Term Potentiation in the Frontal Cortex of Adult Offspring Rats. PLoS ONE, 2015, 10, e0119407.	2.5	23
48	Maternal Immune Activation Sensitizes Male Offspring Rats to Lipopolysaccharide-Induced Microglial Deficits Involving the Dysfunction of CD200–CD200R and CX3CL1–CX3CR1 Systems. Cells, 2020, 9, 1676.	4.1	22
49	Effect of amantadine and imipramine on immunological parameters of rats subjected to a forced swimming test. International Journal of Neuropsychopharmacology, 2006, 9, 297.	2.1	21
50	Effects of ethylene glycol ethers on cell viability in the human neuroblastoma SH-SY5Y cell line. Pharmacological Reports, 2010, 62, 1243-1249.	3.3	21
51	Chronic mild stress influences nerve growth factor through a matrix metalloproteinase-dependent mechanism. Psychoneuroendocrinology, 2016, 66, 11-21.	2.7	21
52	The effect of chronic tianeptine administration on the brain mitochondria: direct links with an animal model of depression. Molecular Neurobiology, 2016, 53, 7351-7362.	4.0	21
53	Evaluation of the effectiveness of chronic antidepressant drug treatments in the hippocampal mitochondria – A proteomic study in an animal model of depression. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 78, 51-60.	4.8	21
54	Mitochondrial proteomics investigation of frontal cortex in an animal model of depression: Focus on chronic antidepressant drugs treatment. Pharmacological Reports, 2018, 70, 322-330.	3.3	21

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55	Role of Chronic Administration of Antidepressant Drugs in the Prenatal Stress-Evoked Inflammatory Response in the Brain of Adult Offspring Rats: Involvement of the NLRP3 Inflammasome-Related Pathway. Molecular Neurobiology, 2019, 56, 5365-5380.	4.0	21
56	Stiffening of DU145 prostate cancer cells driven by actin filaments – microtubule crosstalk conferring resistance to microtubule-targeting drugs. Nanoscale, 2021, 13, 6212-6226.	5.6	21
57	The Contribution of Formyl Peptide Receptor Dysfunction to the Course of Neuroinflammation: A Potential Role in the Brain Pathology. Current Neuropharmacology, 2020, 18, 229-249.	2.9	21
58	Effect of co-administration of fluoxetine and amantadine on immunoendocrine parameters in rats subjected to a forced swimming test. Pharmacological Reports, 2009, 61, 1050-1060.	3.3	20
59	Prenatal stress leads to changes in ICF-1 binding proteins network in the hippocampus and frontal cortex of adult male rat. Neuroscience, 2014, 274, 59-68.	2.3	20
60	Inhibitory effect of imipramine on the human corticotropin-releasing-hormone gene promoter activity operates through a PI3-K/AKT mediated pathway. Neuropharmacology, 2005, 49, 156-164.	4.1	19
61	Stimulatory effect of antidepressant drug pretreatment on progression of B16F10 melanoma in high-active male and female C57BL/6J mice. Journal of Neuroimmunology, 2011, 240-241, 34-44.	2.3	19
62	Inhibitory effect of antidepressant drugs on contact hypersensitivity reaction. Pharmacological Reports, 2012, 64, 714-722.	3.3	19
63	Interaction of the immune-inflammatory and the kynurenine pathways in rats resistant to antidepressant treatment in model of depression. International Immunopharmacology, 2019, 73, 527-538.	3.8	18
64	The effect of cocaine sensitization on mouse immunoreactivity. European Journal of Pharmacology, 2004, 483, 309-315.	3.5	17
65	Effect of acute and repeated treatment with mirtazapine on the immunity of noradrenaline transporter knockout C57BL/6J mice. Pharmacology Biochemistry and Behavior, 2006, 85, 813-819.	2.9	17
66	Stress-induced changes in muscarinic and \hat{l}^2 -adrenergic binding sites on rat thymocytes and lymphocytes. Journal of Neuroimmunology, 1992, 37, 229-235.	2.3	16
67	Effects of neurosteroids on the human corticotropin-releasing hormone gene. Pharmacological Reports, 2010, 62, 1030-1040.	3.3	16
68	Inhibition of 2,4-dinitrofluorobenzene-induced contact hypersensitivity reaction by antidepressant drugs. Pharmacological Reports, 2013, 65, 1237-1246.	3.3	15
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.	3.8	15
70	Effects of neurosteroids on glucocorticoid receptor-mediated gene transcription in LMCAT cells—A possible interaction with psychotropic drugs. European Neuropsychopharmacology, 2007, 17, 37-45.	0.7	14
71	Fractalkine Attenuates Microglial Cell Activation Induced by Prenatal Stress. Neural Plasticity, 2016, 2016, 1-11.	2.2	14
72	Nanocapsules with Polyelectrolyte Shell as a Platform for 1,25-dihydroxyvitamin D3 Neuroprotection: Study in Organotypic Hippocampal Slices. Neurotoxicity Research, 2016, 30, 581-592.	2.7	14

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73	Regulation of insulin receptor phosphorylation in the brains of prenatally stressed rats: New insight into the benefits of antidepressant drug treatment. European Neuropsychopharmacology, 2017, 27, 120-131.	0.7	14
74	Protective effects of polydatin in free and nanocapsulated form on changes caused by lipopolysaccharide in hippocampal organotypic cultures. Pharmacological Reports, 2019, 71, 603-613.	3.3	14
75	Role of Polyinosinic:Polycytidylic Acid-Induced Maternal Immune Activation and Subsequent Immune Challenge in the Behaviour and Microglial Cell Trajectory in Adult Offspring: A Study of the Neurodevelopmental Model of Schizophrenia. International Journal of Molecular Sciences, 2021, 22, 1558.	4.1	14
76	Time-Dependent Protective and Pro-Resolving Effects of FPR2 Agonists on Lipopolysaccharide-Exposed Microglia Cells Involve Inhibition of NF-κB and MAPKs Pathways. Cells, 2021, 10, 2373.	4.1	14
77	The Emerging Role of the Double-Edged Impact of Arachidonic Acid- Derived Eicosanoids in the Neuroinflammatory Background of Depression Current Neuropharmacology, 2020, 19, 278-293.	2.9	14
78	Mood stabilizers inhibit glucocorticoid receptor function in LMCAT cells. European Journal of Pharmacology, 2004, 495, 103-110.	3.5	13
79	Effects of PRI-2191—A low-calcemic analog of 1,25-dihydroxyvitamin D3 on the seizure-induced changes in brain gene expression and immune system activity in the rat. Brain Research, 2005, 1039, 1-13.	2.2	13
80	Catalase activity in blood fractions of patients with sporadic ALS. Pharmacological Reports, 2014, 66, 704-707.	3.3	13
81	Prenatal stress affects viability, activation, and chemokine signaling in astroglial cultures. Journal of Neuroimmunology, 2017, 311, 79-87.	2.3	13
82	The N-Formyl Peptide Receptor 2 (FPR2) Agonist MR-39 Exhibits Anti-Inflammatory Activity in LPS-Stimulated Organotypic Hippocampal Cultures. Cells, 2021, 10, 1524.	4.1	13
83	Immune malfunction in the GPR39 zinc receptor of knockout mice: Its relationship to depressive disorder. Journal of Neuroimmunology, 2016, 291, 11-17.	2.3	12
84	Inflammatory Consequences of Maternal Diabetes on the Offspring Brain: a Hippocampal Organotypic Culture Study. Neurotoxicity Research, 2019, 36, 357-375.	2.7	11
85	Regulators of glucocorticoid receptor function in an animal model of depression and obesity. Journal of Neuroendocrinology, 2018, 30, e12591.	2.6	10
86	Hypothalamic insulin and glucagon-like peptide-1 levels in an animal model of depression and their effect on corticotropin-releasing hormone promoter gene activity in a hypothalamic cell line. Pharmacological Reports, 2019, 71, 338-346.	3.3	10
87	The N-Formyl Peptide Receptor 2 (FPR2) Agonist MR-39 Improves Ex Vivo and In Vivo Amyloid Beta (1–42)-Induced Neuroinflammation in Mouse Models of Alzheimer's Disease. Molecular Neurobiology, 2021, 58, 6203-6221.	4.0	10
88	The effects of pessimism on cell-mediated immunity in rats. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 80, 295-303.	4.8	9
89	Effects of neurosteroids on neuronal survival: molecular basis and clinical perspectives. Acta Neurobiologiae Experimentalis, 2006, 66, 359-67.	0.7	9
90	New trends in the neurobiology and pharmacology of affective disorders. Pharmacological Reports, 2013, 65, 1441-1450.	3.3	8

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91	Inhibitory effect of antidepressant drugs on contact hypersensitivity reaction is connected with their suppressive effect on NKT and CD8+ T cells but not on TCR delta T cells. International Immunopharmacology, 2015, 28, 1091-1096.	3.8	8
92	The effect of dermal benzophenone-2 administration on immune system activity, hypothalamic-pituitary-thyroid axis activity and hematological parameters in male Wistar rats. Toxicology, 2018, 402-403, 1-8.	4.2	8
93	Mitochondria-targeting therapeutic strategies in the treatment of depression. Mitochondrion, 2021, 58, 169-178.	3.4	8
94	Neurosteroids enhance the viability of staurosporine and doxorubicin treated differentiated human neuroblastoma SH-SY5Y cells. Pharmacological Reports, 2008, 60, 685-91.	3.3	8
95	Effects of new antiepileptic drugs and progabide on the mitogen-induced proliferative activity of mouse splenocytes. Pharmacological Reports, 2008, 60, 925-32.	3.3	8
96	Design, Synthesis, Biological Evaluation, and Computational Studies of Novel Ureidopropanamides as Formyl Peptide Receptor 2 (FPR2) Agonists to Target the Resolution of Inflammation in Central Nervous System Disorders. Journal of Medicinal Chemistry, 2022, 65, 5004-5028.	6.4	7
97	Crosstalk between contact hypersensitivity reaction and antidepressant drugs. Pharmacological Reports, 2013, 65, 1673-1680.	3.3	6
98	Proteomic Analysis of Mitochondria-Enriched Fraction Isolated from the Frontal Cortex and Hippocampus of Apolipoprotein E Knockout Mice Treated with Alda-1, an Activator of Mitochondrial Aldehyde Dehydrogenase (ALDH2). International Journal of Molecular Sciences, 2017, 18, 435.	4.1	6
99	The emerging role of mechanical and topographical factors in the development and treatment of nervous system disorders: dark and light sides of the force. Pharmacological Reports, 2021, 73, 1626-1641.	3.3	6
100	Opposite effects of clozapine and sulpiride on the lipopolysaccharide-induced inhibition of the GR-mediated gene transcription in fibroblast cells. Polish Journal of Pharmacology, 2003, 55, 1153-8.	0.3	6
101	Increased mitogen-induced lymphocyte proliferation in treatment resistant depression: a preliminary study. Neuroendocrinology Letters, 2004, 25, 207-10.	0.2	6
102	Antioxidant and Neuroprotective Activity of Vitamin E Homologues: In Vitro Study. Metabolites, 2022, 12, 608.	2.9	6
103	Effects of lipopolysaccharide and chlorpromazine on glucocorticoid receptor-mediated gene transcription and immunoreactivity: a possible involvement of p38-MAP kinase. European Neuropsychopharmacology, 2004, 14, 521-528.	0.7	5
104	Shedding light on the role of CX3CR1 in the pathogenesis of schizophrenia. Pharmacological Reports, 2021, 73, 1063-1078.	3.3	5
105	Effect of antidepressant drugs on the human corticotropin-releasing-hormone gene promoter activity in neuro-2A cells. Polish Journal of Pharmacology, 2002, 54, 711-6.	0.3	4
106	The third multidisciplinary conference on drug research, PiÅ,a 2002. Effects of 1alpha,25-dihydroxyvitamin D3 and some putative steroid neuroprotective agents on the hydrogen peroxide-induced damage in neuroblastoma-glioma hybrid NG108-15 cells. Acta Poloniae Pharmaceutica, 2003, 60, 351-5.	0.1	4
107	Stimulatory effect of desipramine on lung metastases of adenocarcinoma MADB 106 in stress highly-sensitive and stress non-reactive rats. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 80, 279-290.	4.8	3
108	Effect of some antipsychotic drugs on immunoreactivity in C57BL/6 mice. Polish Journal of Pharmacology, 2002, 54, 737-42.	0.3	3

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109	Effects of some new antiepileptic drugs and progabide on glucocorticoid receptor-mediated gene transcription in LMCAT cells. Pharmacological Reports, 2007, 59, 531-7.	3.3	3
110	The effect of multiparity and lactation periods on the graft versus host reactivity of thymocytes and splenocytes from aging C57BL mice. Mechanisms of Ageing and Development, 1996, 91, 1-10.	4.6	2
111	Effect of hypothalamic lesion or chemical axotomy on restitution of immunoreactivity in mice after cyclophosphamide administration. International Journal of Immunopharmacology, 1996, 18, 289-294.	1.1	2
112	Suppressive effect of TRH and antidepressants on human interferon-Î ³ production in vitro. Acta Neuropsychiatrica, 2002, 14, 226-230.	2.1	2
113	The effect of benzophenone-3 on the steroid receptors expression in the brain. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-1-83.	0.0	Ο