

# Bernadeta Szewczyk

## List of Publications by Year in descending order

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Version: 2024-02-01

110  
papers

4,500  
citations

87723

38  
h-index

118652

62  
g-index

115  
all docs

115  
docs citations

115  
times ranked

4433  
citing authors

#	ARTICLE	IF	CITATIONS
1	Central Effects of the Designer Drug Mephedrone in Mice—Basic Studies. <i>Brain Sciences</i> , 2022, 12, 189.	1.1	5
2	Activation of the 5-HT7 receptor and MMP-9 signaling module in the hippocampal CA1 region is necessary for the development of depressive-like behavior. <i>Cell Reports</i> , 2022, 38, 110532.	2.9	18
3	Antidepressant-like Effects of Combined Fluoxetine and Zinc Treatment in Mice Exposed to Chronic Restraint Stress Are Related to Modulation of Histone Deacetylase. <i>Molecules</i> , 2022, 27, 22.	1.7	5
4	Zinc Deficiency Blunts the Effectiveness of Antidepressants in the Olfactory Bulbectomy Model of Depression in Rats. <i>Nutrients</i> , 2022, 14, 2746.	1.7	2
5	Vorinostat (SAHA) May Exert Its Antidepressant-Like Effects Through the Modulation of Oxidative Stress Pathways. <i>Neurotoxicity Research</i> , 2021, 39, 170-181.	1.3	3
6	The Interaction of Selective A1 and A2A Adenosine Receptor Antagonists with Magnesium and Zinc Ions in Mice: Behavioural, Biochemical and Molecular Studies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1840.	1.8	5
7	Synthesis of Novel Pyrido[1,2-c]pyrimidine Derivatives with 6-Fluoro-3-(4-piperidynyl)-1,2-benzisoxazole Moiety as Potential SSRI and 5-HT1A Receptor Ligands. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2329.	1.8	8
8	N-Skatyltryptamines—Dual 5-HT6R/D2R Ligands with Antipsychotic and Procognitive Potential. <i>Molecules</i> , 2021, 26, 4605.	1.7	3
9	Influence of Incorporation of Different dn-Electron Metal Cations into Biologically Active System on Its Biological and Physicochemical Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12909.	1.8	3
10	Imipramine Influences Body Distribution of Supplemental Zinc Which May Enhance Antidepressant Action. <i>Nutrients</i> , 2020, 12, 2529.	1.7	12
11	Ketamine and Ro 25-6981 Reverse Behavioral Abnormalities in Rats Subjected to Dietary Zinc Restriction. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4791.	1.8	5
12	An update on NMDA antagonists in depression. <i>Expert Review of Neurotherapeutics</i> , 2019, 19, 1055-1067.	1.4	39
13	Synthesis of new 5,6,7,8-tetrahydropyrido[1,2-c]pyrimidine derivatives with rigidized tryptamine moiety as potential SSRI and 5-HT1A receptor ligands. <i>European Journal of Medicinal Chemistry</i> , 2019, 180, 383-397.	2.6	11
14	Synthesis and biological evaluation of new multi-target 3-(1H-indol-3-yl)pyrrolidine-2,5-dione derivatives with potential antidepressant effect. <i>European Journal of Medicinal Chemistry</i> , 2019, 183, 111736.	2.6	21
15	Synthesis of novel pyrido[1,2-c]pyrimidine derivatives with rigidized tryptamine moiety as potential SSRI and 5-HT1A receptor ligands. <i>European Journal of Medicinal Chemistry</i> , 2019, 166, 144-158.	2.6	14
16	Antidepressant-like activity of hyperforin and changes in BDNF and zinc levels in mice exposed to chronic unpredictable mild stress. <i>Behavioural Brain Research</i> , 2019, 372, 112045.	1.2	33
17	Characterization of the Brain Penetrant Neuropeptide Y Y2 Receptor Antagonist SF-11. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3454-3463.	1.7	7
18	The role of magnesium and zinc in depression: similarities and differences. <i>Magnesium Research</i> , 2018, 31, 78-89.	0.4	24

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19	Hyperforin Potentiates Antidepressant-Like Activity of Lanicemine in Mice. <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 456.	1.4	29
20	Chronic antidepressant-like effect of EMD386088, a partial 5-HT <sub>6</sub> receptor agonist, in olfactory bulbectomy model may be connected with BDNF and/or CREB signalling pathway. <i>Pharmacological Reports</i> , 2018, 70, 1047-1056.	1.5	5
21	Zinc and copper concentration do not differentiate bipolar disorder from major depressive disorder. <i>Psychiatria Polska</i> , 2018, 52, 449-457.	0.2	6
22	Antidepressant activity of zinc: Further evidence for the involvement of the serotonergic system. <i>Pharmacological Reports</i> , 2017, 69, 456-461.	1.5	6
23	The role of zinc deficiency-induced changes in the phospholipid-protein balance of blood serum in animal depression model by Raman, FTIR and UV-vis spectroscopy. <i>Biomedicine and Pharmacotherapy</i> , 2017, 89, 549-558.	2.5	22
24	Antidepressant-like activity of the neuropeptide Y Y5 receptor antagonist Lu AA33810: behavioral, molecular, and immunohistochemical evidence. <i>Psychopharmacology</i> , 2017, 234, 631-645.	1.5	16
25	Involvement of extracellular signal-regulated kinase (ERK) in the short and long-lasting antidepressant-like activity of NMDA receptor antagonists (zinc and Ro 25-6981) in the forced swim test in rats. <i>Neuropharmacology</i> , 2017, 125, 333-342.	2.0	32
26	The serum zinc concentration as a potential biological marker in patients with major depressive disorder. <i>Metabolic Brain Disease</i> , 2017, 32, 97-103.	1.4	36
27	Associations of Serum Cytokine Receptor Levels with Melancholia, Staging of Illness, Depressive and Manic Phases, and Severity of Depression in Bipolar Disorder. <i>Molecular Neurobiology</i> , 2017, 54, 5883-5893.	1.9	46
28	The level of the zinc homeostasis regulating proteins in the brain of rats subjected to olfactory bulbectomy model of depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 72, 36-48.	2.5	14
29	Nitric Oxide Synthase Inhibitor Attenuates the Effects of Repeated Restraint Stress on Synaptic Transmission in the Paraventricular Nucleus of the Rat Hypothalamus. <i>Frontiers in Cellular Neuroscience</i> , 2017, 11, 127.	1.8	5
30	The serum concentration of copper in bipolar disorder. <i>Psychiatria Polska</i> , 2017, 51, 469-481.	0.2	18
31	Thiobarbituric Acid-Reactive Substances: Markers of an Acute Episode and a Late Stage of Bipolar Disorder. <i>Neuropsychobiology</i> , 2016, 73, 116-122.	0.9	29
32	Zinc transporters protein level in postmortem brain of depressed subjects and suicide victims. <i>Journal of Psychiatric Research</i> , 2016, 83, 220-229.	1.5	29
33	Study of the Serum Copper Levels in Patients with Major Depressive Disorder. <i>Biological Trace Element Research</i> , 2016, 174, 287-293.	1.9	46
34	Brain glutamic acid decarboxylase-67kDa alterations induced by magnesium treatment in olfactory bulbectomy and chronic mild stress models in rats. <i>Pharmacological Reports</i> , 2016, 68, 881-885.	1.5	7
35	Concentration-Dependent Dual Mode of Zn Action at Serotonin 5-HT <sub>1A</sub> Receptors: In Vitro and In Vivo Studies. <i>Molecular Neurobiology</i> , 2016, 53, 6869-6881.	1.9	30
36	Olfactory bulbectomy-induced changes in phospholipids and protein profiles in the hippocampus and prefrontal cortex of rats. A preliminary study using a FTIR spectroscopy. <i>Pharmacological Reports</i> , 2016, 68, 521-528.	1.5	17

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37	Decreased serum zinc concentration during depressive episode in patients with bipolar disorder. <i>Journal of Affective Disorders</i> , 2016, 190, 272-277.	2.0	27
38	Alterations of Bio-elements, Oxidative, and Inflammatory Status in the Zinc Deficiency Model in Rats. <i>Neurotoxicity Research</i> , 2016, 29, 143-154.	1.3	30
39	Relationship between Zinc (Zn <sup>2+</sup> ) and Glutamate Receptors in the Processes Underlying Neurodegeneration. <i>Neural Plasticity</i> , 2015, 2015, 1-9.	1.0	39
40	Evaluation of the role of NMDA receptor function in antidepressant-like activity. A new study with citalopram and fluoxetine in the forced swim test in mice. <i>Pharmacological Reports</i> , 2015, 67, 490-493.	1.5	14
41	Antidepressant-like activity of magnesium in the olfactory bulbectomy model is associated with the AMPA/BDNF pathway. <i>Psychopharmacology</i> , 2015, 232, 355-367.	1.5	44
42	Antidepressant-like activity of EMD 386088, a 5-HT <sub>6</sub> receptor partial agonist, following systemic acute and chronic administration to rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2015, 388, 1079-1088.	1.4	16
43	Antidepressant activity of fluoxetine in the zinc deficiency model in rats involves the NMDA receptor complex. <i>Behavioural Brain Research</i> , 2015, 287, 323-330.	1.2	27
44	Activation of mTOR dependent signaling pathway is a necessary mechanism of antidepressant-like activity of zinc. <i>Neuropharmacology</i> , 2015, 99, 517-526.	2.0	40
45	Zinc deficiency in rats is associated with up-regulation of hippocampal NMDA receptor. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2015, 56, 254-263.	2.5	43
46	The serum concentration of magnesium as a potential state marker in patients with diagnosis of bipolar disorder. <i>Psychiatria Polska</i> , 2015, 49, 1277-1287.	0.2	13
47	The serum magnesium concentration as a potential state marker in patients with unipolar affective disorder. <i>Psychiatria Polska</i> , 2015, 49, 1265-1276.	0.2	10
48	Antidepressant-like activity of magnesium in the chronic mild stress model in rats: alterations in the NMDA receptor subunits. <i>International Journal of Neuropsychopharmacology</i> , 2014, 17, 393-405.	1.0	54
49	Stress-induced alterations in 5-HT <sub>1A</sub> receptor transcriptional modulators NUDR and Freud-1. <i>International Journal of Neuropsychopharmacology</i> , 2014, 17, 1763-1775.	1.0	24
50	An anti-immobility effect of spermine in the forced swim test in mice. <i>Pharmacological Reports</i> , 2014, 66, 223-227.	1.5	8
51	The involvement of the GPR39-Zn(2+)-sensing receptor in the pathophysiology of depression. Studies in rodent models and suicide victims. <i>Neuropharmacology</i> , 2014, 79, 290-297.	2.0	66
52	NMDA antagonists under investigation for the treatment of major depressive disorder. <i>Expert Opinion on Investigational Drugs</i> , 2014, 23, 1181-1192.	1.9	40
53	Antidepressant-like effect of the mGluR5 antagonist MTEP in an astroglial degeneration model of depression. <i>Behavioural Brain Research</i> , 2014, 273, 23-33.	1.2	33
54	Biological consequences of zinc deficiency in the pathomechanisms of selected diseases. <i>Journal of Biological Inorganic Chemistry</i> , 2014, 19, 1069-1079.	1.1	127

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55	A standard sample preparation and calibration procedure for imaging zinc and magnesium in rats' brain tissue by laser ablation-inductively coupled plasma-time of flight-mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1425-1431.	1.6	24
56	Activation of the mTOR signaling pathway in the antidepressant-like activity of the mGlu5 antagonist MTEP and the mGlu7 agonist AMN082 in the FST in rats. <i>Neuropharmacology</i> , 2014, 82, 59-68.	2.0	40
57	Zinc as a marker of affective disorders. <i>Pharmacological Reports</i> , 2013, 65, 1512-1518.	1.5	66
58	Oxidative stress markers in affective disorders. <i>Pharmacological Reports</i> , 2013, 65, 1558-1571.	1.5	110
59	Involvement of NMDA and AMPA receptors in the antidepressant-like activity of antidepressant drugs in the forced swim test. <i>Pharmacological Reports</i> , 2013, 65, 991-997.	1.5	35
60	Zinc, magnesium and NMDA receptor alterations in the hippocampus of suicide victims. <i>Journal of Affective Disorders</i> , 2013, 151, 924-931.	2.0	63
61	Glial degeneration as a model of depression. <i>Pharmacological Reports</i> , 2013, 65, 1572-1579.	1.5	26
62	Synthesis and biological evaluation of novel pyrrolidine-2,5-dione derivatives as potential antidepressant agents. Part 1. <i>European Journal of Medicinal Chemistry</i> , 2013, 63, 484-500.	2.6	33
63	Effects of ifenprodil on the antidepressant-like activity of NMDA ligands in the forced swim test in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2013, 46, 29-35.	2.5	25
64	Zinc homeostasis and neurodegenerative disorders. <i>Frontiers in Aging Neuroscience</i> , 2013, 5, 33.	1.7	235
65	Investigational NMDA receptor modulators for depression. <i>Expert Opinion on Investigational Drugs</i> , 2012, 21, 91-102.	1.9	44
66	A bright future of researching AMPA receptor agonists for depression treatment. <i>Expert Opinion on Investigational Drugs</i> , 2012, 21, 583-585.	1.9	3
67	Anxiolytic-like activity of zinc in rodent tests. <i>Pharmacological Reports</i> , 2011, 63, 1050-1055.	1.5	32
68	The role of zinc in neurodegenerative inflammatory pathways in depression. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2011, 35, 693-701.	2.5	139
69	Synthesis and biological investigation of potential atypical antipsychotics with a tropane core. Part 1. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 4474-4488.	2.6	12
70	Involvement of NMDA receptor complex in the anxiolytic-like effects of chlordiazepoxide in mice. <i>Journal of Neural Transmission</i> , 2011, 118, 857-864.	1.4	16
71	A complex interaction between glycine/NMDA receptors and serotonergic/noradrenergic antidepressants in the forced swim test in mice. <i>Journal of Neural Transmission</i> , 2011, 118, 1535-1546.	1.4	46
72	The involvement of NMDA and AMPA receptors in the mechanism of antidepressant-like action of zinc in the forced swim test. <i>Amino Acids</i> , 2010, 39, 205-217.	1.2	77

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73	Decreased expression of Freud-1/CC2D1A, a transcriptional repressor of the 5-HT1A receptor, in the prefrontal cortex of subjects with major depression. <i>International Journal of Neuropsychopharmacology</i> , 2010, 13, 1089-1101.	1.0	32
74	Ionic Glutamate Modulators in Depression (Zinc, Magnesium). , 2010, , 21-38.		4
75	Gender-specific decrease in NUDR and 5-HT1A receptor proteins in the prefrontal cortex of subjects with major depressive disorder. <i>International Journal of Neuropsychopharmacology</i> , 2009, 12, 155.	1.0	71
76	The involvement of serotonergic system in the antidepressant effect of zinc in the forced swim test. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009, 33, 323-329.	2.5	117
77	Human Freud-2/CC2D1B: A Novel Repressor of Postsynaptic Serotonin-1A Receptor Expression. <i>Biological Psychiatry</i> , 2009, 66, 214-222.	0.7	36
78	Zinc-induced adaptive changes in NMDA/glutamatergic and serotonergic receptors. <i>Pharmacological Reports</i> , 2009, 61, 1184-1191.	1.5	49
79	Antidepressant-like activity of 8-Br-cAMP, a PKA activator, in the forced swim test. <i>Journal of Neural Transmission</i> , 2008, 115, 829-830.	1.4	13
80	Antidepressant-like activity of zinc: further behavioral and molecular evidence. <i>Journal of Neural Transmission</i> , 2008, 115, 1621-1628.	1.4	110
81	Effects of South African traditional medicine in animal models for depression. <i>Journal of Ethnopharmacology</i> , 2008, 119, 542-548.	2.0	47
82	Antidepressant activity of zinc and magnesium in view of the current hypotheses of antidepressant action. <i>Pharmacological Reports</i> , 2008, 60, 588-9.	1.5	105
83	D-serine, a selective glycine/N-methyl-D-aspartate receptor agonist, antagonizes the antidepressant-like effects of magnesium and zinc in mice. <i>Pharmacological Reports</i> , 2008, 60, 996-1000.	1.5	24
84	Effects of GABAB receptor ligands in rodent tests of anxiety-like behavior. <i>Pharmacological Reports</i> , 2007, 59, 757-62.	1.5	26
85	Antidepressant-like activity of CGP 36742 and CGP 51176, selective GABAB receptor antagonists, in rodents. <i>British Journal of Pharmacology</i> , 2006, 149, 581-590.	2.7	60
86	Increase in synaptic hippocampal zinc concentration following chronic but not acute zinc treatment in rats. <i>Brain Research</i> , 2006, 1090, 69-75.	1.1	18
87	The Anxiolytic Agent 7-(2-Chloropyridin-4-yl)pyrazolo-[1,5-a]-pyrimidin-3-yl](pyridin-2-yl)methanone (DOV 51892) Is More Efficacious Than Diazepam at Enhancing GABA-Gated Currents at $\pm 1$ Subunit-Containing GABAA Receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 1244-1252.	1.3	39
88	Effect of MPEP treatment on brain-derived neurotrophic factor gene expression. <i>Pharmacological Reports</i> , 2006, 58, 427-30.	1.5	34
89	Enhancement of antidepressant-like activity by joint administration of imipramine and magnesium in the forced swim test: Behavioral and pharmacokinetic studies in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2005, 81, 524-529.	1.3	39
90	Potential antidepressant-like effect of MTEP, a potent and highly selective mGluR5 antagonist. <i>Pharmacology Biochemistry and Behavior</i> , 2005, 81, 901-906.	1.3	122

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91	Zinc and depression. An update. <i>Pharmacological Reports</i> , 2005, 57, 713-8.	1.5	106
92	Anxiolytic action of group II and III metabotropic glutamate receptors agonists involves neuropeptide Y in the amygdala. <i>Pharmacological Reports</i> , 2005, 57, 734-43.	1.5	11
93	In the Amygdala Anxiolytic Action of mGlu5 Receptors Antagonist MPEP Involves Neuropeptide Y but not GABAA Signaling. <i>Neuropsychopharmacology</i> , 2004, 29, 514-521.	2.8	44
94	Antidepressant- and anxiolytic-like activity of magnesium in mice. <i>Pharmacology Biochemistry and Behavior</i> , 2004, 78, 7-12.	1.3	104
95	Zinc treatment induces cortical brain-derived neurotrophic factor gene expression. <i>European Journal of Pharmacology</i> , 2004, 492, 57-59.	1.7	63
96	Group III mGlu receptor agonists produce anxiolytic- and antidepressant-like effects after central administration in rats. <i>Neuropharmacology</i> , 2004, 46, 151-159.	2.0	125
97	Antidepressant-like effects of acute and chronic treatment with zinc in forced swim test and olfactory bulbectomy model in rats. <i>Brain Research Bulletin</i> , 2003, 61, 159-164.	1.4	153
98	Reduced potency of zinc to interact with NMDA receptors in hippocampal tissue of suicide victims. <i>Polish Journal of Pharmacology</i> , 2003, 55, 455-9.	0.3	20
99	Involvement of CRF but not NPY in the anxiety regulation via NMDA receptors. <i>Polish Journal of Pharmacology</i> , 2003, 55, 1119-24.	0.3	6
100	Effect of chronic imipramine or electroconvulsive shock on the expression of mGluR1a and mGluR5a immunoreactivity in rat brain hippocampus. <i>Neuropharmacology</i> , 2002, 42, 1016-1023.	2.0	51
101	Multiple MPEP administrations evoke anxiolytic- and antidepressant-like effects in rats. <i>Neuropharmacology</i> , 2002, 43, 181-187.	2.0	147
102	Antidepressant-like effect of MPEP, a potent, selective and systemically active mGlu5 receptor antagonist in the olfactory bulbectomized rats. <i>Amino Acids</i> , 2002, 23, 213-216.	1.2	61
103	Mechanisms contributing to antidepressant zinc actions. <i>Polish Journal of Pharmacology</i> , 2002, 54, 587-92.	0.3	22
104	Interaction of zinc with antidepressants in the forced swimming test in mice. <i>Polish Journal of Pharmacology</i> , 2002, 54, 681-5.	0.3	42
105	Anxiolytic- and antidepressant-like effects of group III metabotropic glutamate agonist (1S,3R,4S)-1-aminocyclopentane-1,3,4-tricarboxylic acid (ACPT-I) in rats. <i>Polish Journal of Pharmacology</i> , 2002, 54, 707-10.	0.3	29
106	Antidepressant-like properties of zinc in rodent forced swim test. <i>Brain Research Bulletin</i> , 2001, 55, 297-300.	1.4	137
107	The antianxiety-like effects of antagonists of group I and agonists of group II and III metabotropic glutamate receptors after intrahippocampal administration. <i>Psychopharmacology</i> , 2001, 158, 94-99.	1.5	84
108	Roles of group II metabotropic glutamate receptors in modulation of seizure activity. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2000, 361, 283-288.	1.4	46

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109	Stimulation of group II metabotropic glutamate receptors or inhibition of group I ones exerts anxiolytic-like effects in rats. <i>Amino Acids</i> , 2000, 19, 81-86.	1.2	8
110	Zinc Deficiency and Depression. , 0, , .		1