

Gabriele Baj

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,980
citations

257357

24
h-index

265120

42
g-index

43
all docs

43
docs citations

43
times ranked

3321
citing authors

#	ARTICLE	IF	CITATIONS
1	Dendritic trafficking of BDNF mRNA is mediated by translin and blocked by the G196A (Val66Met) mutation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16481-16486.	3.3	201
2	Spatial segregation of BDNF transcripts enables BDNF to differentially shape distinct dendritic compartments. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16813-16818.	3.3	173
3	A method for reproducible measurements of serum BDNF: comparison of the performance of six commercial assays. <i>Scientific Reports</i> , 2015, 5, 17989.	1.6	168
4	BDNF mRNA splice variants display activity-dependent targeting to distinct hippocampal laminae. <i>Molecular and Cellular Neurosciences</i> , 2008, 37, 11-19.	1.0	153
5	Low serum truncated-BDNF isoform correlates with higher cognitive impairment in schizophrenia. <i>Journal of Psychiatric Research</i> , 2011, 45, 273-279.	1.5	102
6	Physical Exercise and Antidepressants Enhance BDNF Targeting in Hippocampal CA3 Dendrites: Further Evidence of a Spatial Code for BDNF Splice Variants. <i>Neuropsychopharmacology</i> , 2012, 37, 1600-1611.	2.8	96
7	Rescue of bilirubin-induced neonatal lethality in a mouse model of Crigler-Najjar syndrome type I by AAV9-mediated gene transfer. <i>FASEB Journal</i> , 2012, 26, 1052-1063.	0.2	71
8	Developmental and maintenance defects in Rett syndrome neurons identified by a new mouse staging system in vitro. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 18.	1.8	70
9	Toward a unified biological hypothesis for the BDNF Val66Met-associated memory deficits in humans: a model of impaired dendritic mRNA trafficking. <i>Frontiers in Neuroscience</i> , 2013, 7, 188.	1.4	57
10	ACTN1-related thrombocytopenia: identification of novel families for phenotypic characterization. <i>Blood</i> , 2015, 125, 869-872.	0.6	57
11	3D Carbon-Nanotube-Based Composites for Cardiac Tissue Engineering. <i>ACS Applied Bio Materials</i> , 2018, 1, 1530-1537.	2.3	57
12	Acute stress alters transcript expression pattern and reduces processing of proBDNF to mature BDNF in <i>Dicentrarchus labrax</i> . <i>BMC Neuroscience</i> , 2010, 11, 4.	0.8	50
13	Expression and Dendritic Trafficking of BDNF-6 Splice Variant are Impaired in Knock-In Mice Carrying Human BDNF Val66Met Polymorphism. <i>International Journal of Neuropsychopharmacology</i> , 2015, 18, pyv069.	1.0	50
14	Pharmacological treatment with mirtazapine rescues cortical atrophy and respiratory deficits in MeCP2 null mice. <i>Scientific Reports</i> , 2016, 6, 19796.	1.6	49
15	Regulation of the spatial code for BDNF mRNA isoforms in the rat hippocampus following pilocarpine treatment: A systematic analysis using laser microdissection and quantitative real-time PCR. <i>Hippocampus</i> , 2013, 23, 413-423.	0.9	48
16	Pharmacological Profile of Brain-derived Neurotrophic Factor (BDNF) Splice Variant Translation Using a Novel Drug Screening Assay. <i>Journal of Biological Chemistry</i> , 2014, 289, 27702-27713.	1.6	40
17	Dendritic targeting of short and long 3' UTR BDNF mRNA is regulated by BDNF or NT-3 and distinct sets of RNA-binding proteins. <i>Frontiers in Molecular Neuroscience</i> , 2015, 8, 62.	1.4	39
18	Localization of BDNF mRNA with the Huntington's disease protein in rat brain. <i>Molecular Neurodegeneration</i> , 2010, 5, 22.	4.4	36

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19	Age-dependent pattern of cerebellar susceptibility to bilirubin neurotoxicity <i>in vivo</i> . <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 1057-68.	1.2	36
20	The SNARE VAMP7 Regulates Exocytic Trafficking of Interleukin-12 in Dendritic Cells. <i>Cell Reports</i> , 2016, 14, 2624-2636.	2.9	36
21	New Potential Therapeutic Approach for the Treatment of B-Cell Malignancies Using Chlorambucil/Hydroxychloroquine-Loaded Anti-CD20 Nanoparticles. <i>PLoS ONE</i> , 2013, 8, e74216.	1.1	34
22	Signaling pathways controlling activity-dependent local translation of BDNF and their localization in dendritic arbors. <i>Journal of Cell Science</i> , 2016, 129, 2852-64.	1.2	30
23	Blockade of BDNF signaling turns chemically induced long-term potentiation into long-term depression. <i>Hippocampus</i> , 2013, 23, 879-889.	0.9	29
24	Substrate Dissipation Energy Regulates Cell Adhesion and Spreading. <i>Advanced Functional Materials</i> , 2020, 30, 2001977.	7.8	27
25	Functions and Mechanisms of BDNF mRNA Trafficking. <i>Novartis Foundation Symposium</i> , 2008, 289, 136-151.	1.2	26
26	Use of optical tweezers technology for long-term, focal stimulation of specific subcellular neuronal compartments. <i>Integrative Biology (United Kingdom)</i> , 2011, 3, 568.	0.6	23
27	Altered serum content of brain-derived neurotrophic factor isoforms in multiple sclerosis. <i>Journal of the Neurological Sciences</i> , 2012, 320, 161-165.	0.3	23
28	Aptamer targeting of the elongation factor 1A impairs hepatocarcinoma cells viability and potentiates bortezomib and idarubicin effects. <i>International Journal of Pharmaceutics</i> , 2016, 506, 268-279.	2.6	22
29	BDNF splice variants from the second promoter cluster support cell survival of differentiated neuroblastoma upon cytotoxic stress. <i>Journal of Cell Science</i> , 2009, 122, 36-43.	1.2	21
30	Advanced photodynamic therapy with an engineered M13 phage targeting EGFR: Mitochondrial localization and autophagy induction in ovarian cancer cell lines. <i>Free Radical Biology and Medicine</i> , 2022, 179, 242-251.	1.3	21
31	Targeted Delivery of Neutralizing Anti-C5 Antibody to Renal Endothelium Prevents Complement-Dependent Tissue Damage. <i>Frontiers in Immunology</i> , 2017, 8, 1093.	2.2	20
32	Geranylgeraniol and Neurological Impairment: Involvement of Apoptosis and Mitochondrial Morphology. <i>International Journal of Molecular Sciences</i> , 2016, 17, 365.	1.8	18
33	Brain-derived neurotrophic factor serum levels in genetically isolated populations: gender-specific association with anxiety disorder subtypes but not with anxiety levels or Val66Met polymorphism. <i>PeerJ</i> , 2015, 3, e1252.	0.9	18
34	BDNF splice variants from the second promoter cluster support cell survival of differentiated neuroblastoma upon cytotoxic stress. <i>Journal of Cell Science</i> , 2009, 122, 156-156.	1.2	13
35	Novel NOD2 Mutation in Early-Onset Inflammatory Bowel Phenotype. <i>Inflammatory Bowel Diseases</i> , 2018, 24, 1204-1212.	0.9	13
36	BDNF-Live-Exon-Visualization (BLEV) Allows Differential Detection of BDNF Transcripts <i>in vitro</i> and <i>in vivo</i> . <i>Frontiers in Molecular Neuroscience</i> , 2018, 11, 325.	1.4	12

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37	Brain-derived neurotrophic factor signaling is altered in the forebrain of Engrailed-2 knockout mice. <i>Neuroscience</i> , 2016, 324, 252-261.	1.1	10
38	In vitro modeling of dendritic atrophy in Rett syndrome: determinants for phenotypic drug screening in neurodevelopmental disorders. <i>Scientific Reports</i> , 2020, 10, 2491.	1.6	8
39	Fludarabine increases nuclease-free AAV- and CRISPR/Cas9-mediated homologous recombination in mice. <i>Nature Biotechnology</i> , 2022, 40, 1285-1294.	9.4	8
40	Regulation of Substrate Dissipation via Tunable Linear Elasticity Controls Cell Activity. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	7
41	Combined cisplatin and aurora inhibitor treatment increase neuroblastoma cell death but surviving cells overproduce BDNF. <i>Biology Open</i> , 2016, 5, 899-907.	0.6	5
42	Long-Term Effects of Biliverdin Reductase a Deficiency in <i>Ugt1^{-/-}</i> Mice: Impact on Redox Status and Metabolism. <i>Antioxidants</i> , 2021, 10, 2029.	2.2	3