

Alexander Dityatev

List of Publications by Year in descending order

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161
papers

11,023
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23500

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33814

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175
all docs

175
docs citations

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times ranked

11248
citing authors

#	ARTICLE	IF	CITATIONS
1	Aging-Associated Changes in Cognition, Expression and Epigenetic Regulation of Chondroitin 6-Sulfotransferase Chst3. <i>Cells</i> , 2022, 11, 2033.	1.8	4
2	Fine structure analysis of perineuronal nets in the ketamine model of schizophrenia. <i>European Journal of Neuroscience</i> , 2021, 53, 3988-4004.	1.2	20
3	Interplay between perivascular and perineuronal extracellular matrix remodelling in neurological and psychiatric diseases. <i>European Journal of Neuroscience</i> , 2021, 53, 3811-3830.	1.2	26
4	Amelioration of Tau pathology and memory deficits by targeting 5-HT7 receptor. <i>Progress in Neurobiology</i> , 2021, 197, 101900.	2.8	15
5	Attenuation of the extracellular matrix restores microglial activity during the early stage of amyloidosis. <i>Glia</i> , 2021, 69, 182-200.	2.5	12
6	Introduction to the EQIPD quality system. <i>ELife</i> , 2021, 10, .	2.8	42
7	Structure of serotonin receptors: molecular underpinning of receptor activation and modulation. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 243.	7.1	3
8	Brain extracellular matrix: An upcoming target in neurological and psychiatric disorders. <i>European Journal of Neuroscience</i> , 2021, 53, 3807-3810.	1.2	9
9	Microglia Depletion-Induced Remodeling of Extracellular Matrix and Excitatory Synapses in the Hippocampus of Adult Mice. <i>Cells</i> , 2021, 10, 1862.	1.8	32
10	Deficiency in MT5-MMP Supports Branching of Human iPSCs-Derived Neurons and Reduces Expression of GLAST/S100 in iPSCs-Derived Astrocytes. <i>Cells</i> , 2021, 10, 1705.	1.8	2
11	Transgenic modeling of Ndr2 gene amplification reveals disturbance of hippocampus circuitry and function. <i>iScience</i> , 2021, 24, 102868.	1.9	3
12	The Golgi-Associated PDZ Domain Protein Gopc/PIST Is Required for Synaptic Targeting of mGluR5. <i>Molecular Neurobiology</i> , 2021, 58, 5618-5634.	1.9	4
13	The matrix metalloproteinase inhibitor IPR-179 has antiseizure and antiepileptogenic effects. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	35
14	Context value updating and multidimensional neuronal encoding in the retrosplenial cortex. <i>Nature Communications</i> , 2021, 12, 6045.	5.8	8
15	Extracellular matrix remodeling through endocytosis and resurfacing of Tenascin-R. <i>Nature Communications</i> , 2021, 12, 7129.	5.8	25
16	LGI1 downregulation increases neuronal circuit excitability. <i>Epilepsia</i> , 2020, 61, 2836-2846.	2.6	12
17	A synthetic synaptic organizer protein restores glutamatergic neuronal circuits. <i>Science</i> , 2020, 369, .	6.0	78
18	Serotonin 5-HT4 receptor boosts functional maturation of dendritic spines via RhoA-dependent control of F-actin. <i>Communications Biology</i> , 2020, 3, 76.	2.0	26

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19	Dopamine Receptor Activation Modulates the Integrity of the Perisynaptic Extracellular Matrix at Excitatory Synapses. <i>Cells</i> , 2020, 9, 260.	1.8	40
20	Activity-dependent switches between dynamic regimes of extracellular matrix expression. <i>PLoS ONE</i> , 2020, 15, e0227917.	1.1	22
21	Light-induced engagement of microglia to focally remodel synapses in the adult brain. <i>ELife</i> , 2020, 9, .	2.8	23
22	Prenatal Cannabinoid Exposure Mediated Cognitive Deficits in the Offspring: Elucidation of the Mechanism and Identifying Therapeutic Targets. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	0
23	Attenuated palmitoylation of serotonin receptor 5-HT1A affects receptor function and contributes to depression-like behaviors. <i>Nature Communications</i> , 2019, 10, 3924.	5.8	100
24	In vivo Two-Photon Imaging of Anesthesia-Specific Alterations in Microglial Surveillance and Photodamage-Directed Motility in Mouse Cortex. <i>Frontiers in Neuroscience</i> , 2019, 13, 421.	1.4	39
25	Yokukansan, a traditional herbal preparation, increases the protein kinase B signaling in aged mice and 5XFAD mouse model of Alzheimer's disease. <i>European Neuropsychopharmacology</i> , 2019, 29, S253.	0.3	0
26	Intra- and Extracellular Pillars of a Unifying Framework for Homeostatic Plasticity: A Crosstalk Between Metabotropic Receptors and Extracellular Matrix. <i>Frontiers in Cellular Neuroscience</i> , 2019, 13, 513.	1.8	14
27	Mechanism of Prenatal Cannabinoid Exposure Mediated Memory Loss in Adolescent Offspring: Opportunities for Identifying Therapeutic Target. <i>FASEB Journal</i> , 2019, 33, 804.3.	0.2	0
28	The Low-Threshold Calcium Channel Cav3.2 Mediates Burst Firing of Mature Dentate Granule Cells. <i>Cerebral Cortex</i> , 2018, 28, 2594-2609.	1.6	24
29	Crosstalk between glia, extracellular matrix and neurons. <i>Brain Research Bulletin</i> , 2018, 136, 101-108.	1.4	195
30	Traditional Japanese Herbal Medicine Yokukansan Targets Distinct but Overlapping Mechanisms in Aged Mice and in the 5xFAD Mouse Model of Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 411.	1.7	21
31	Memory enhancement by ferulic acid ester across species. <i>Science Advances</i> , 2018, 4, eaat6994.	4.7	23
32	Evaluation of Toxicity and Neural Uptake In Vitro and In Vivo of Superparamagnetic Iron Oxide Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2613.	1.8	29
33	Shaping Synapses by the Neural Extracellular Matrix. <i>Frontiers in Neuroanatomy</i> , 2018, 12, 40.	0.9	130
34	Increased Excitability and Reduced Excitatory Synaptic Input Into Fast-Spiking CA2 Interneurons After Enzymatic Attenuation of Extracellular Matrix. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 149.	1.8	66
35	Heparan Sulfates Support Pyramidal Cell Excitability, Synaptic Plasticity, and Context Discrimination. <i>Cerebral Cortex</i> , 2017, 27, 903-918.	1.6	41
36	HDAC1 links early life stress to schizophrenia-like phenotypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4686-E4694.	3.3	75

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37	Synaptic Remodeling Depends on Signaling between Serotonin Receptors and the Extracellular Matrix. <i>Cell Reports</i> , 2017, 19, 1767-1782.	2.9	92
38	Extracellular matrix alterations in the ketamine model of schizophrenia. <i>Neuroscience</i> , 2017, 350, 13-22.	1.1	41
39	5-HT ₇ receptor shapes spinogenesis in cortical and striatal neurons. <i>Journal of Neurochemistry</i> , 2017, 141, 644-646.	2.1	2
40	Regulation of extrasynaptic signaling by polysialylated NCAM: Impact for synaptic plasticity and cognitive functions. <i>Molecular and Cellular Neurosciences</i> , 2017, 81, 12-21.	1.0	32
41	Impaired Fear Extinction Due to a Deficit in Ca ²⁺ Influx Through L-Type Voltage-Gated Ca ²⁺ Channels in Mice Deficient for Tenascin-C. <i>Frontiers in Integrative Neuroscience</i> , 2017, 11, 16.	1.0	9
42	ZDHHC3 Tyrosine Phosphorylation Regulates Neural Cell Adhesion Molecule Palmitoylation. <i>Molecular and Cellular Biology</i> , 2016, 36, 2208-2225.	1.1	43
43	An Advanced 3D Printed Design of the Hybrid Infusion-Multielectrode Recording System for Local Field Potential and Single Unit Acquisition and Intrabrain Drug Delivery in Freely Moving Mice. <i>Sovremennye Tehnologii V Medicine</i> , 2016, 8, 129-132.	0.4	0
44	Accumulated common variants in the broader fragile X gene family modulate autistic phenotypes. <i>EMBO Molecular Medicine</i> , 2015, 7, 1565-1579.	3.3	37
45	Age-dependent loss of parvalbumin-expressing hippocampal interneurons in mice deficient in <i>CHL1</i> , a mental retardation and schizophrenia susceptibility gene. <i>Journal of Neurochemistry</i> , 2015, 135, 830-844.	2.1	48
46	A novel versatile hybrid infusion-multielectrode recording (HIME) system for acute drug delivery and multisite acquisition of neuronal activity in freely moving mice. <i>Frontiers in Neuroscience</i> , 2015, 9, 425.	1.4	9
47	Heparin/heparan sulfates bind to and modulate neuronal L-type (Cav1.2) voltage-dependent Ca ²⁺ channels. <i>Experimental Neurology</i> , 2015, 274, 156-165.	2.0	10
48	Targeting of ECM molecules and their metabolizing enzymes and receptors for the treatment of CNS diseases. <i>Progress in Brain Research</i> , 2014, 214, 353-388.	0.9	48
49	Current microscopic methods for the neural ECM analysis. <i>Progress in Brain Research</i> , 2014, 214, 287-312.	0.9	4
50	Neural ECM molecules in synaptic plasticity, learning, and memory. <i>Progress in Brain Research</i> , 2014, 214, 53-80.	0.9	75
51	Tenascin-R promotes assembly of the extracellular matrix of perineuronal nets via clustering of aggrecan. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20140046.	1.8	80
52	Modulation of network activity and induction of homeostatic synaptic plasticity by enzymatic removal of heparan sulfates. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20140134.	1.8	19
53	Preface. <i>Progress in Brain Research</i> , 2014, 214, xiii-xvii.	0.9	13
54	Brain circuitry outside the synaptic cleft. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130591.	1.8	7

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55	Neural ECM and epilepsy. Progress in Brain Research, 2014, 214, 229-262.	0.9	43
56	With a little help from EphA3 and polysialic acid: Ectodomain shedding of NCAM is gaining momentum. Journal of Neurochemistry, 2014, 128, 206-209.	2.1	2
57	Zooming in on the (Peri)synaptic Extracellular Matrix. Neuromethods, 2014, , 187-203.	0.2	5
58	Remote control of induced dopaminergic neurons in parkinsonian rats. Journal of Clinical Investigation, 2014, 124, 3215-3229.	3.9	104
59	Polysialic Acid in Brain Development and Synaptic Plasticity. Topics in Current Chemistry, 2013, 366, 55-96.	4.0	77
60	Targeting the neural extracellular matrix in neurological disorders. Neuroscience, 2013, 253, 194-213.	1.1	198
61	Appearance of multistability in a neuron model with network feedback. JETP Letters, 2013, 96, 739-742.	0.4	1
62	Rapid Generation of Functional Dopaminergic Neurons From Human Induced Pluripotent Stem Cells Through a Single-Step Procedure Using Cell Lineage Transcription Factors. Stem Cells Translational Medicine, 2013, 2, 473-479.	1.6	81
63	Seizure-like activity in hyaluronidase-treated dissociated hippocampal cultures. Frontiers in Cellular Neuroscience, 2013, 7, 149.	1.8	87
64	SHANK3 Gene Mutations Associated with Autism Facilitate Ligand Binding to the Shank3 Ankyrin Repeat Region. Journal of Biological Chemistry, 2013, 288, 26697-26708.	1.6	52
65	Bi-directional astrocytic regulation of neuronal activity within a network. Frontiers in Computational Neuroscience, 2012, 6, 92.	1.2	61
66	Matrix metalloproteinase-9 and non-amyloidogenic pathway of amyloid precursor protein processing. Journal of Neurochemistry, 2012, 121, 181-183.	2.1	11
67	PSA-NCAM: Synaptic functions mediated by its interactions with proteoglycans and glutamate receptors. International Journal of Biochemistry and Cell Biology, 2012, 44, 591-595.	1.2	55
68	A Homeostatic Model of Neuronal Firing Governed by Feedback Signals from the Extracellular Matrix. PLoS ONE, 2012, 7, e41646.	1.1	30
69	Restoration of Synaptic Plasticity and Learning in Young and Aged NCAM-Deficient Mice by Enhancing Neurotransmission Mediated by GluN2A-Containing NMDA Receptors. Journal of Neuroscience, 2012, 32, 2263-2275.	1.7	42
70	Extracellular matrix molecules, their receptors, and extracellular proteases as synaptic plasticity modulators. Neurochemical Journal, 2012, 6, 89-99.	0.2	5
71	Heterodimerization of serotonin receptors 5-HT1A and 5-HT7 differentially regulates receptor signalling and trafficking. Journal of Cell Science, 2012, 125, 2486-99.	1.2	163
72	Synaptic Cell Adhesion Molecules. Advances in Experimental Medicine and Biology, 2012, 970, 97-128.	0.8	44

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73	Developmental nicotine exposure induced alterations in behavior and glutamate receptor function in hippocampus. <i>Cellular and Molecular Life Sciences</i> , 2012, 69, 829-841.	2.4	52
74	Importance of Shank3 Protein in Regulating Metabotropic Glutamate Receptor 5 (mGluR5) Expression and Signaling at Synapses. <i>Journal of Biological Chemistry</i> , 2011, 286, 34839-34850.	1.6	180
75	Extracellular Recordings of Synaptic Plasticity and Network Oscillations in Hippocampal Slices. <i>Neuromethods</i> , 2011, , 127-147.	0.2	0
76	Molecular signals of plasticity at the tetrapartite synapse. <i>Current Opinion in Neurobiology</i> , 2011, 21, 353-359.	2.0	204
77	Direct generation of functional dopaminergic neurons from mouse and human fibroblasts. <i>Nature</i> , 2011, 476, 224-227.	13.7	941
78	Transgenic mice overexpressing the extracellular domain of NCAM are impaired in working memory and cortical plasticity. <i>Neurobiology of Disease</i> , 2011, 43, 372-378.	2.1	36
79	Neural cell adhesion molecule ablation in mice causes hippocampal dysplasia and loss of septal cholinergic neurons. <i>Journal of Comparative Neurology</i> , 2011, 519, 2475-2492.	0.9	12
80	Extracellular matrix molecules, their receptors, and secreted proteases in synaptic plasticity. <i>Developmental Neurobiology</i> , 2011, 71, 1040-1053.	1.5	115
81	Remodeling of extracellular matrix and epileptogenesis. <i>Epilepsia</i> , 2010, 51, 61-65.	2.6	68
82	The dual role of the extracellular matrix in synaptic plasticity and homeostasis. <i>Nature Reviews Neuroscience</i> , 2010, 11, 735-746.	4.9	447
83	Neural Cell Adhesion Molecule-Associated Polysialic Acid Regulates Synaptic Plasticity and Learning by Restraining the Signaling through GluN2B-Containing NMDA Receptors. <i>Journal of Neuroscience</i> , 2010, 30, 4171-4183.	1.7	103
84	Functional Consequences of the Interactions among the Neural Cell Adhesion Molecule NCAM, the Receptor Tyrosine Kinase TrkB, and the Inwardly Rectifying K ⁺ Channel KIR3.3. <i>Journal of Biological Chemistry</i> , 2010, 285, 28968-28979.	1.6	23
85	Improved Reversal Learning and Working Memory and Enhanced Reactivity to Novelty in Mice with Enhanced GABAergic Innervation in the Dentate Gyrus. <i>Cerebral Cortex</i> , 2010, 20, 2712-2727.	1.6	86
86	The Extracellular Matrix Molecule Hyaluronic Acid Regulates Hippocampal Synaptic Plasticity by Modulating Postsynaptic L-Type Ca ²⁺ Channels. <i>Neuron</i> , 2010, 67, 116-128.	3.8	184
87	Compartmentalization from the outside: the extracellular matrix and functional microdomains in the brain. <i>Trends in Neurosciences</i> , 2010, 33, 503-512.	4.2	191
88	NCAM-Induced Neurite Outgrowth Depends on Binding of Calmodulin to NCAM and on Nuclear Import of NCAM and fak Fragments. <i>Journal of Neuroscience</i> , 2010, 30, 10784-10798.	1.7	59
89	The 14-3-3 η Protein Binds to the Cell Adhesion Molecule L1, Promotes L1 Phosphorylation by CKII and Influences L1-Dependent Neurite Outgrowth. <i>PLoS ONE</i> , 2010, 5, e13462.	1.1	20
90	Extracellular Matrix Molecules: Synaptic Plasticity and Learning. , 2009, , 149-156.		1

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91	The Insulin Receptor Substrate of 53 kDa (IRSp53) Limits Hippocampal Synaptic Plasticity. <i>Journal of Biological Chemistry</i> , 2009, 284, 9225-9236.	1.6	78
92	Genetic ablation of tenascin ϵ expression leads to abnormal hippocampal CA1 structure and electrical activity in vivo. <i>Hippocampus</i> , 2009, 19, 1232-1246.	0.9	39
93	Retarded kindling progression in mice deficient in the extracellular matrix glycoprotein tenascin ϵ . <i>Epilepsia</i> , 2009, 50, 859-869.	2.6	22
94	Amyloid precursor protein and amyloid β -peptide bind to ATP synthase and regulate its activity at the surface of neural cells. <i>Molecular Psychiatry</i> , 2008, 13, 953-969.	4.1	120
95	Ameliorating effects of preadolescent aniracetam treatment on prenatal ethanol-induced impairment in AMPA receptor activity. <i>Neurobiology of Disease</i> , 2008, 29, 81-91.	2.1	15
96	Extracellular matrix in plasticity and epileptogenesis. <i>Neuron Glia Biology</i> , 2008, 4, 235-247.	2.0	95
97	β -amyloid and glutamate receptors. <i>Experimental Neurology</i> , 2008, 212, 1-4.	2.0	22
98	Modulation of synaptic transmission and plasticity by cell adhesion and repulsion molecules. <i>Neuron Glia Biology</i> , 2008, 4, 197-209.	2.0	76
99	Fibroblast Growth Factor-Regulated Palmitoylation of the Neural Cell Adhesion Molecule Determines Neuronal Morphogenesis. <i>Journal of Neuroscience</i> , 2008, 28, 8897-8907.	1.7	63
100	Hippocampal Metaplasticity Induced by Deficiency in the Extracellular Matrix Glycoprotein Tenascin-R. <i>Journal of Neuroscience</i> , 2007, 27, 6019-6028.	1.7	68
101	Reduced reactivity to novelty, impaired social behavior, and enhanced basal synaptic excitatory activity in perforant path projections to the dentate gyrus in young adult mice deficient in the neural cell adhesion molecule CHL1. <i>Molecular and Cellular Neurosciences</i> , 2007, 34, 121-136.	1.0	53
102	Activity-dependent formation and functions of chondroitin sulfate-rich extracellular matrix of perineuronal nets. <i>Developmental Neurobiology</i> , 2007, 67, 570-588.	1.5	307
103	Postnatal aniracetam treatment improves prenatal ethanol induced attenuation of AMPA receptor-mediated synaptic transmission. <i>Neurobiology of Disease</i> , 2007, 26, 696-706.	2.1	17
104	Morphogenic Signaling in Neurons Via Neurotransmitter Receptors and Small GTPases. <i>Molecular Neurobiology</i> , 2007, 35, 278-287.	1.9	34
105	Extracellular Matrix and Synaptic Functions. , 2006, 43, 69-97.		49
106	Analysis of Neural Cell Functions in Gene Knockout Mice: Electrophysiological Investigation of Synaptic Plasticity in Acute Hippocampal Slices. <i>Methods in Enzymology</i> , 2006, 417, 52-66.	0.4	6
107	Enhanced perisomatic inhibition and impaired long-term potentiation in the CA1 region of juvenile CHL1-deficient mice. <i>European Journal of Neuroscience</i> , 2006, 23, 1839-1852.	1.2	60
108	In vivosynaptic plasticity in the dentate gyrus of mice deficient in the neural cell adhesion molecule NCAM or its polysialic acid. <i>European Journal of Neuroscience</i> , 2006, 23, 2255-2264.	1.2	85

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109	The extracellular matrix and synapses. <i>Cell and Tissue Research</i> , 2006, 326, 647-654.	1.5	96
110	Polysialylated Neural Cell Adhesion Molecule Is Involved in Induction of Long-Term Potentiation and Memory Acquisition and Consolidation in a Fear-Conditioning Paradigm. <i>Journal of Neuroscience</i> , 2006, 26, 10888-109898.	1.7	136
111	Neural Cell Adhesion Molecule-associated Polysialic Acid Inhibits NR2B-containing N-Methyl-d-aspartate Receptors and Prevents Glutamate-induced Cell Death. <i>Journal of Biological Chemistry</i> , 2006, 281, 34859-34869.	1.6	99
112	Synaptic Functions of the Neural Cell Adhesion Molecule, NCAM. , 2006, , 97-110.		2
113	Extracellular Matrix Molecules and Formation of CNS Synapses. , 2006, , 163-178.		0
114	Single Channel Recordings From Synaptosomal AMPA Receptors. <i>Cell Biochemistry and Biophysics</i> , 2005, 42, 075-086.	0.9	23
115	5-HT7 Receptor Is Coupled to G α Subunits of Heterotrimeric G12-Protein to Regulate Gene Transcription and Neuronal Morphology. <i>Journal of Neuroscience</i> , 2005, 25, 7821-7830.	1.7	173
116	Amygdala, Long-term Potentiation, and Fear Conditioning. <i>Neuroscientist</i> , 2005, 11, 75-88.	2.6	67
117	Electroporation-based gene transfer for efficient transfection of neural precursor cells. <i>Molecular Brain Research</i> , 2005, 138, 182-190.	2.5	20
118	Neural Cell Adhesion Molecule-associated Polysialic Acid Potentiates $\hat{I}\pm$ -Amino-3-hydroxy-5-methylisoxazole-4-propionic Acid Receptor Currents. <i>Journal of Biological Chemistry</i> , 2004, 279, 47975-47984.	1.6	86
119	Trans-Golgi network delivery of synaptic proteins in synaptogenesis. <i>Journal of Cell Science</i> , 2004, 117, 381-388.	1.2	72
120	Polysialylated Neural Cell Adhesion Molecule Promotes Remodeling and Formation of Hippocampal Synapses. <i>Journal of Neuroscience</i> , 2004, 24, 9372-9382.	1.7	244
121	Conditional Ablation of the Neural Cell Adhesion Molecule Reduces Precision of Spatial Learning, Long-Term Potentiation, and Depression in the CA1 Subfield of Mouse Hippocampus. <i>Journal of Neuroscience</i> , 2004, 24, 1565-1577.	1.7	172
122	Cell Adhesion Molecules in Synapse Formation. <i>Journal of Neuroscience</i> , 2004, 24, 9244-9249.	1.7	164
123	Sialyltransferase ST8Sia-II Assembles a Subset of Polysialic Acid That Directs Hippocampal Axonal Targeting and Promotes Fear Behavior. <i>Journal of Biological Chemistry</i> , 2004, 279, 32603-32613.	1.6	166
124	Mice deficient for the extracellular matrix glycoprotein tenascin-r show physiological and structural hallmarks of increased hippocampal excitability, but no increased susceptibility to seizures in the pilocarpine model of epilepsy. <i>Neuroscience</i> , 2004, 124, 841-855.	1.1	37
125	Reduced GABAergic transmission and number of hippocampal perisomatic inhibitory synapses in juvenile mice deficient in the neural cell adhesion molecule L1. <i>Molecular and Cellular Neurosciences</i> , 2004, 26, 191-203.	1.0	61
126	Combining principal component and spectral analyses with the method of moments in studies of quantal transmission. <i>Journal of Neuroscience Methods</i> , 2003, 130, 173-199.	1.3	6

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127	Rapid and efficient electroporation-based gene transfer into primary dissociated neurons. <i>Journal of Neuroscience Methods</i> , 2003, 130, 65-73.	1.3	40
128	Potentiation of amygdaloid and hippocampal auditory-evoked potentials in a discriminatory fear-conditioning task in mice as a function of tone pattern and context. <i>European Journal of Neuroscience</i> , 2003, 18, 639-650.	1.2	26
129	Extracellular matrix molecules and synaptic plasticity. <i>Nature Reviews Neuroscience</i> , 2003, 4, 456-468.	4.9	459
130	NCAM180 and glutamate receptor subtypes in potentiated spine synapses: an immunogold electron microscopic study. <i>Molecular and Cellular Neurosciences</i> , 2003, 24, 939-950.	1.0	45
131	Recognition molecule associated carbohydrate inhibits postsynaptic GABAB receptors: a mechanism for homeostatic regulation of GABA release in perisomatic synapses. <i>Molecular and Cellular Neurosciences</i> , 2003, 24, 271-282.	1.0	50
132	Decreased Anxiety, Altered Place Learning, and Increased CA1 Basal Excitatory Synaptic Transmission in Mice with Conditional Ablation of the Neural Cell Adhesion Molecule L1. <i>Journal of Neuroscience</i> , 2003, 23, 10419-10432.	1.7	94
133	Cosignaling of NCAM via lipid rafts and the FGF receptor is required for neuriteogenesis. <i>Journal of Cell Biology</i> , 2002, 157, 521-532.	2.3	259
134	Neural cell adhesion molecule promotes accumulation of TGN organelles at sites of neuron-to-neuron contacts. <i>Journal of Cell Biology</i> , 2002, 159, 649-661.	2.3	151
135	Impairment of L-type Ca ²⁺ Channel-Dependent Forms of Hippocampal Synaptic Plasticity in Mice Deficient in the Extracellular Matrix Glycoprotein Tenascin-C. <i>Journal of Neuroscience</i> , 2002, 22, 7177-7194.	1.7	154
136	Fibronectin Domains of Extracellular Matrix Molecule Tenascin-C Modulate Hippocampal Learning and Synaptic Plasticity. <i>Molecular and Cellular Neurosciences</i> , 2002, 21, 173-187.	1.0	58
137	The Neural Cell Adhesion Molecule Regulates Cell-Surface Delivery of G-Protein-Activated Inwardly Rectifying Potassium Channels Via Lipid Rafts. <i>Journal of Neuroscience</i> , 2002, 22, 7154-7164.	1.7	84
138	Reduced Perisomatic Inhibition, Increased Excitatory Transmission, and Impaired Long-Term Potentiation in Mice Deficient for the Extracellular Matrix Glycoprotein Tenascin-R. <i>Molecular and Cellular Neurosciences</i> , 2001, 17, 226-240.	1.0	173
139	Modification of extracellular matrix by enzymatic removal of chondroitin sulfate and by lack of tenascin-R differentially affects several forms of synaptic plasticity in the hippocampus. <i>Neuroscience</i> , 2001, 104, 359-369.	1.1	212
140	A correlative physiological and morphological analysis of monosynaptically connected propriospinal axon-motoneuron pairs in the lumbar spinal cord of frogs. <i>Neuroscience</i> , 2001, 106, 405-417.	1.1	4
141	Synapse Formation. , 2001, , 15362-15366.		0
142	Structural and physiological properties of connections between individual reticulospinal axons and lumbar motoneurons of the frog. <i>Journal of Comparative Neurology</i> , 2001, 430, 433-447.	0.9	11
143	Title is missing!. <i>Neurophysiology</i> , 2001, 33, 11-14.	0.2	0
144	Diffusion and Active Transport of NCAM within the Neuronal Plasma Membrane. <i>Neurophysiology</i> , 2001, 33, 140-147.	0.2	0

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145	Potentiated amygdaloid auditory-evoked potentials and freezing behavior after fear conditioning in mice. <i>Brain Research</i> , 2001, 919, 232-241.	1.1	36
146	The extracellular matrix molecule tenascin-R and its HNK-1 carbohydrate modulate perisomatic inhibition and long-term potentiation in the CA1 region of the hippocampus. <i>European Journal of Neuroscience</i> , 2000, 12, 3331-3342.	1.2	107
147	Mice Deficient in the Polysialyltransferase ST8SiaIV/PST-1 Allow Discrimination of the Roles of Neural Cell Adhesion Molecule Protein and Polysialic Acid in Neural Development and Synaptic Plasticity. <i>Journal of Neuroscience</i> , 2000, 20, 5234-5244.	1.7	294
148	Synaptic Strength as a Function of Post- versus Presynaptic Expression of the Neural Cell Adhesion Molecule NCAM. <i>Neuron</i> , 2000, 26, 207-217.	3.8	161
149	Transient Activity of Excitatory Cl ⁻ Channels in Chara: Evidence for Quantal Release of a Gating Factor. <i>Journal of Membrane Biology</i> , 1998, 163, 183-191.	1.0	19
150	Synaptic Differentiation of Single Descending Fibers Studied by Triple Intracellular Recording in the Frog Spinal Cord. <i>Journal of Neurophysiology</i> , 1998, 79, 763-768.	0.9	5
151	Integration of Excitatory Postsynaptic Potentials in Dendrites of Motoneurons of Rat Spinal Cord Slice Cultures. <i>Journal of Neurophysiology</i> , 1998, 80, 924-935.	0.9	35
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