Jelena Radulovic

List of Publications by Year
in descending order

118 papers	7,265 citations	47006 47 h-index	60623 81 g-index
122 all docs	122 docs citations	122 times ranked	7854 citing authors

#	Article	IF	Citations
1	Deletion of Crhr2 reveals an anxiolytic role for corticotropin-releasing hormone receptor-2. Nature Genetics, 2000, 24, 415-419.	21.4	477
2	Modulation of Learning and Anxiety by Corticotropin-Releasing Factor (CRF) and Stress: Differential Roles of CRF Receptors 1 and 2. Journal of Neuroscience, 1999, 19, 5016-5025.	3.6	381
3	Abnormalities in Hippocampal Functioning with Persistent Pain. Journal of Neuroscience, 2012, 32, 5747-5756.	3.6	365
4	Relationship between Fos Production and Classical Fear Conditioning: Effects of Novelty, Latent Inhibition, and Unconditioned Stimulus Preexposure. Journal of Neuroscience, 1998, 18, 7452-7461.	3.6	224
5	Distinct Roles of Hippocampal De Novo Protein Synthesis and Actin Rearrangement in Extinction of Contextual Fear. Journal of Neuroscience, 2004, 24, 1962-1966.	3.6	213
6	Fear-enhancing effects of septal oxytocin receptors. Nature Neuroscience, 2013, 16, 1185-1187.	14.8	193
7	Gene expression patterns in the hippocampus and amygdala of endogenous depression and chronic stress models. Molecular Psychiatry, 2012, 17, 49-61.	7.9	165
8	Psychiatric Risk Factor ANK3/Ankyrin-G Nanodomains Regulate the Structure and Function of Glutamatergic Synapses. Neuron, 2014, 84, 399-415.	8.1	159
9	Phosphorylated cAMP response element binding protein in the mouse brain after fear conditioning: relationship to Fos production. Molecular Brain Research, 2001, 94, 15-24.	2.3	156
10	Strain and substrain differences in context- and tone-dependent fear conditioning of inbred mice. Behavioural Brain Research, 1999, 104, 1-12.	2.2	152
11	Kalirin regulates cortical spine morphogenesis and disease-related behavioral phenotypes. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13058-13063.	7.1	150
12	NMDA Receptors in Retrosplenial Cortex Are Necessary for Retrieval of Recent and Remote Context Fear Memory. Journal of Neuroscience, 2011, 31, 11655-11659.	3.6	145
13	A hippocampal Cdk5 pathway regulates extinction of contextual fear. Nature Neuroscience, 2007, 10, 1012-1019.	14.8	135
14	Production of the Fos protein after contextual fear conditioning of C57BL/6N mice. Brain Research, 1998, 784, 37-47.	2.2	133
15	Cyclin-Dependent Kinase 5 Is Required for Associative Learning. Journal of Neuroscience, 2002, 22, 3700-3707.	3.6	127
16	Segregated Populations of Hippocampal Principal CA1 Neurons Mediating Conditioning and Extinction of Contextual Fear. Journal of Neuroscience, 2009, 29, 3387-3394.	3.6	119
17	High-resolution 3D MRI of mouse brain reveals small cerebral structures in vivo. Journal of Neuroscience Methods, 2002, 120, 203-209.	2.5	115
18	Small-conductance, Ca2+-activated K+ channel SK3 generates age-related memory and LTP deficits. Nature Neuroscience, 2003, 6, 911-912.	14.8	113

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19	Battery-free, lightweight, injectable microsystem for in vivo wireless pharmacology and optogenetics. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21427-21437.	7.1	110
20	Generalization of fear responses in C57BL/6N mice subjected to one-trial foreground contextual fear conditioning. Behavioural Brain Research, 1998, 95, 179-189.	2.2	108
21	Therapeutic Strategies for Treatment of Inflammation-related Depression. Current Neuropharmacology, 2018, 16, 176-209.	2.9	107
22	A Corticocortical Circuit Directly Links Retrosplenial Cortex to M2 in the Mouse. Journal of Neuroscience, 2016, 36, 9365-9374.	3.6	104
23	Egr3, a synaptic activity regulated transcription factor that is essential for learning and memory. Molecular and Cellular Neurosciences, 2007, 35, 76-88.	2.2	100
24	Hippocampal Mek/Erk signaling mediates extinction of contextual freezing behavior. Neurobiology of Learning and Memory, 2007, 87, 149-158.	1.9	98
25	BMP Signaling Mediates Effects of Exercise on Hippocampal Neurogenesis and Cognition in Mice. PLoS ONE, 2009, 4, e7506.	2.5	97
26	Phosphorylation of Hippocampal Erk-1/2, Elk-1, and p90-Rsk-1 during Contextual Fear Conditioning: Interactions between Erk-1/2 and Elk-1. Molecular and Cellular Neurosciences, 2002, 21, 463-476.	2.2	95
27	Mitogen-Activated Protein Kinase Signaling in the Hippocampus and Its Modulation by Corticotropin-Releasing Factor Receptor 2: A Possible Link between Stress and Fear Memory. Journal of Neuroscience, 2003, 23, 11436-11443.	3.6	94
28	Role of adult hippocampal neurogenesis in persistent pain. Pain, 2016, 157, 418-428.	4.2	90
29	N-Cadherin Regulates Cytoskeletally Associated IQGAP1/ERK Signaling and Memory Formation. Neuron, 2007, 55, 786-798.	8.1	86
30	The role of hippocampal signaling cascades in consolidation of fear memory. Behavioural Brain Research, 2004, 149, 17-31.	2.2	84
31	Social modeling of conditioned fear in mice by non-fearful conspecifics. Behavioural Brain Research, 2009, 201, 173-178.	2.2	82
32	IQGAP1 Regulates NR2A Signaling, Spine Density, and Cognitive Processes. Journal of Neuroscience, 2011, 31, 8533-8542.	3.6	82
33	Fear conditioning and extinction: emotional states encoded by distinct signaling pathways. Trends in Neurosciences, 2012, 35, 145-155.	8.6	82
34	GABAergic mechanisms regulated by miR-33 encode state-dependent fear. Nature Neuroscience, 2015, 18, 1265-1271.	14.8	81
35	Characterization of native corticotropin-releasing factor receptor type 1 (cRFR1) in the rat and mouse central nervous system. Journal of Neuroscience Research, 1998, 54, 507-521.	2.9	77
36	Molecular Specificity of Multiple Hippocampal Processes Governing Fear Extinction. Reviews in the Neurosciences, 2010, 21, 1-18.	2.9	77

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37	Hippocampal NMDA receptor subunits differentially regulate fear memory formation and neuronal signal propagation. Hippocampus, 2010, 20, 1072-1082.	1.9	76
38	Regulatory Mechanisms of Fear Extinction and Depression-Like Behavior. Neuropsychopharmacology, 2008, 33, 1570-1583.	5.4	75
39	Long-range inhibitory intersection of a retrosplenial thalamocortical circuit by apical tuft-targeting CA1 neurons. Nature Neuroscience, 2019, 22, 618-626.	14.8	74
40	In vivo 3D MRI staining of the mouse hippocampal system using intracerebral injection of MnCl2. NeuroImage, 2004, 22, 860-867.	4.2	73
41	9YExtinction: Does It or Doesnâ€™t It? The Requirement of Altered Gene Activity and New Protein Synthesis. Biological Psychiatry, 2006, 60, 344-351.	1.3	72
42	Role of oxytocin receptors in modulation of fear by social memory. Psychopharmacology, 2014, 231, 2097-2105.	3.1	71
43	Metabotropic Glutamate Receptor 5/Homer Interactions Underlie Stress Effects on Fear. Biological Psychiatry, 2010, 68, 1007-1015.	1.3	65
44	Actions of CRF and its Analogs. Current Medicinal Chemistry, 1999, 6, 1035-1053.	2.4	65
45	A single amino acid serves as an affinity switch between the receptor and the binding protein of corticotropin-releasing factor: Implications for the design of agonists and antagonists. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11142-11147.	7.1	58
46	Differential Contributions of Glutamatergic Hippocampalâ†'Retrosplenial Cortical Projections to the Formation and Persistence of Context Memories. Cerebral Cortex, 2019, 29, 2728-2736.	2.9	57
47	Differential impairment of auditory and contextual fear conditioning by protein synthesis inhibition in C57BL/6N mice.. Behavioral Neuroscience, 1999, 113, 496-506.	1.2	51
48	Analysis of coherent activity between retrosplenial cortex, hippocampus, thalamus, and anterior cingulate cortex during retrieval of recent and remote context fear memory. Neurobiology of Learning and Memory, 2016, 127, 93-101.	1.9	50
49	Enkephalins, Brain and Immunity: Modulation of Immune Responses by Methionine-Enkephalin Injected Into the Cerebral Cavity. International Journal of Neuroscience, 1992, 67, 241-270.	1.6	49
50	Differential activation of CRF receptor subtypes removes stress-induced memory deficit and anxiety. European Journal of Neuroscience, 2007, 25, 3385-3397.	2.6	49
51	Opioid receptor-mediated suppression of humoral immune response in vivo and in vitro: involvement of Î¹ opioid receptors. Journal of Neuroimmunology, 1995, 57, 55-62.	2.3	47
52	Protein synthesis inhibitors, gene superinduction and memory: Too little or too much protein?. Neurobiology of Learning and Memory, 2008, 89, 212-218.	1.9	43
53	Molecular Properties of the CRF Receptor. Trends in Endocrinology and Metabolism, 1998, 9, 140-145.	7.1	42
54	Double Dissociation of the Roles of Metabotropic Glutamate Receptor 5 and Oxytocin Receptor in Discrete Social Behaviors. Neuropsychopharmacology, 2015, 40, 2337-2346.	5.4	41

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55	Muscarinic acetylcholine receptors act in synergy to facilitate learning and memory. Learning and Memory, 2016, 23, 631-638.	1.3	41
56	Cdk5: A Novel Role in Learning and Memory. NeuroSignals, 2003, 12, 200-208.	0.9	40
57	Extinction of Remotely Acquired Fear Depends on an Inhibitory NR2B/PKA Pathway in the Retrosplenial Cortex. Journal of Neuroscience, 2013, 33, 19492-19498.	3.6	38
58	Structureâ€“function relationship of different domains of the rat corticotropin-releasing factor receptor. Molecular Brain Research, 1997, 52, 182-193.	2.3	36
59	Pharmacological and chemical properties of astressin, antisauvagine-30 and Î±-helCRF: significance for behavioral experiments. Neuropharmacology, 2001, 41, 507-516.	4.1	36
60	Role of regional neurotransmitter receptors in corticotropin-releasing factor (CRF)-mediated modulation of fear conditioning. Neuropharmacology, 2000, 39, 707-710.	4.1	35
61	Hippocampal Erk mechanisms linking prediction error to fear extinction: Roles of shock expectancy and contextual aversive valence. Learning and Memory, 2009, 16, 273-278.	1.3	35
62	Modulation of behavior by scaffolding proteins of the post-synaptic density. Neurobiology of Learning and Memory, 2013, 105, 3-12.	1.9	34
63	Regulation of contextual fear conditioning by baseline and inducible septo-hippocampal cyclin-dependent kinase 5. Neuropharmacology, 2003, 44, 1089-1099.	4.1	33
64	Opposing activities of brain opioid receptors in the regulation of humoral and cell-mediated immune responses in the rat. Brain Research, 1994, 661, 189-195.	2.2	31
65	Hippocampal phenotypes in kalirin-deficient mice. Molecular and Cellular Neurosciences, 2011, 46, 45-54.	2.2	30
66	ERK-associated changes of AP-1 proteins during fear extinction. Molecular and Cellular Neurosciences, 2011, 47, 137-144.	2.2	30
67	Disruption of the NMDA receptor GluN2A subunit abolishes inflammation-induced depression. Behavioural Brain Research, 2019, 359, 550-559.	2.2	29
68	Activation of the dorsal, but not the ventral, hippocampus relieves neuropathic pain in rodents. Pain, 2021, 162, 2865-2880.	4.2	27
69	Centrally applied NPY mimics immunoactivation induced by non-analgesic doses of met-enkephalin. NeuroReport, 1998, 9, 3881-3885.	1.2	25
70	Neurobiological mechanisms of state-dependent learning. Current Opinion in Neurobiology, 2017, 45, 92-98.	4.2	25
71	Î²-Endorphin concentrations in brain areas and peritoneal macrophages in rats susceptible and resistant to experimental allergic encephalomyelitis: A possible relationship between tumor necrosis factor Î± and opioids in the disease. Journal of Neuroimmunology, 1994, 51, 169-176.	2.3	24
72	Orai1 Channels Are Essential for Amplification of Glutamate-Evoked Ca2+ Signals in Dendritic Spines to Regulate Working and Associative Memory. Cell Reports, 2020, 33, 108464.	6.4	24

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73	Excitatory VTA to DH projections provide a valence signal to memory circuits. Nature Communications, 2020, 11, 1466.	12.8	24
74	Behavior and Severity of Adjuvant Arthritis in Four Rat Strains. Brain, Behavior, and Immunity, 2001, 15, 255-265.	4.1	23
75	Mapping of the habenulo-interpeduncular pathway in living mice using manganese-enhanced 3D MRI. Magnetic Resonance Imaging, 2006, 24, 209-215.	1.8	23
76	N-Methyl D-aspartate receptor subunit signaling in fear extinction. Psychopharmacology, 2019, 236, 239-250.	3.1	22
77	Corticotropin-Releasing Factor Binding Protein - A Ligand Trap?. Mini-Reviews in Medicinal Chemistry, 2005, 5, 953-960.	2.4	21
78	Accumulation of Cytoplasmic Glucocorticoid Receptor Is Related to Elevation of FKBP5 in Lymphocytes of Depressed Patients. Journal of Molecular Neuroscience, 2015, 55, 951-958.	2.3	21
79	Role of retrosplenial cortex in processing stress-related context memories.. Behavioral Neuroscience, 2018, 132, 388-395.	1.2	21
80	State-Dependent Memory: Neurobiological Advances and Prospects for Translation to Dissociative Amnesia. Frontiers in Behavioral Neuroscience, 2018, 12, 259.	2.0	19
81	Effect of Met-enkephalin and opioid antagonists on rat macrophages. Peptides, 1995, 16, 1209-1213.	2.4	17
82	Modulation of humoral immune responses in the rat by centrally applied Metâ€“Enk and opioid receptor antagonists: functional interactions of brain OP1, OP2 and OP3 receptors. Immunopharmacology, 2000, 49, 255-262.	2.0	17
83	Suppression of adjuvant arthritis by k-opioid receptor agonist: Effect of route of administration and strain differences. Immunopharmacology, 1996, 34, 105-112.	2.0	15
84	In vivo NMDA/dopamine interaction resulting in Fos production in the limbic system and basal ganglia of the mouse brain. Molecular Brain Research, 2000, 75, 271-280.	2.3	14
85	Cdk5 in the Adult Non-Demented Brain. CNS and Neurological Disorders, 2003, 2, 375-381.	4.3	14
86	Co-activation of NR2A and NR2B subunits induces resistance to fear extinction. Neurobiology of Learning and Memory, 2014, 113, 35-40.	1.9	13
87	Network oscillatory activity driven by context memory processing is differently regulated by glutamatergic and cholinergic neurotransmission. Neurobiology of Learning and Memory, 2017, 145, 59-66.	1.9	12
88	Peripheral Effects of Methionine-Enkephalin on Inflammatory Reactions and Behavior in the Rat. NeuroImmunoModulation, 2000, 8, 70-77.	1.8	12
89	Quaternary naltrexone: its immunomodulatory activity and interaction with brain delta and kappa opioid receptors. Immunopharmacology, 1994, 28, 105-112.	2.0	11
90	Regulation of fear extinction versus other affective behaviors by discrete cortical scaffolding complexes associated with NR2B and PKA signaling. Translational Psychiatry, 2015, 5, e657-e657.	4.8	11

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91	Preso1, mGluR5 and the machinery of pain. Nature Neuroscience, 2012, 15, 805-807.	14.8	10
92	Neurobiological correlates of state-dependent context fear. Learning and Memory, 2017, 24, 385-391.	1.3	10
93	Stress-related memories disrupt sociability and associated patterning of hippocampal activity: a role of hilar oxytocin receptor-positive interneurons. Translational Psychiatry, 2020, 10, 428.	4.8	10
94	CRF and CRF Receptors. Results and Problems in Cell Differentiation, 1999, 26, 67-90.	0.7	10
95	Kappa-Opioid Receptor Functions: Possible Relevance to Experimental Allergic Encephalomyelitis. NeuroImmunoModulation, 1994, 1, 236-241.	1.8	9
96	Different effects of methionine-enkephalin on paw edema in two inbred rat strains. Peptides, 2002, 23, 1597-1605.	2.4	9
97	Primary cilia are required for the persistence of memory and stabilization of perineuronal nets. IScience, 2021, 24, 102617.	4.1	9
98	Tumor Necrosis Factor Alpha Differentially Regulates Beta-Endorphin Concentrations and Proopiomelanocortin RNA in the Anterior and Neurointermediate Pituitary in vivo. NeuroImmunoModulation, 1994, 1, 357-360.	1.8	8
99	Stress Applied During Primary Immunization Affects the Secondary Humoral Immune Response in the Rat: Involvement of Opioid Peptides. Stress, 2003, 6, 247-258.	1.8	8
100	Stress-induced generalization of negative memories is mediated by an extended hippocampal circuit. Neuropsychopharmacology, 2022, 47, 516-523.	5.4	8
101	Stress-Induced Rise in Serum Anti-Brain Autoantibody Levels in the Rat. International Journal of Neuroscience, 1997, 89, 153-164.	1.6	7
102	CORRELATION BETWEEN AGE-RELATED CHANGES IN OPEN FIELD BEHAVIOR AND PLAQUE FORMING CELL RESPONSE IN DA FEMALE RATS. International Journal of Neuroscience, 2003, 113, 1259-1273.	1.6	6
103	Functional differentiation in the transverse plane of the hippocampus: An update on activity segregation within the DG and CA3 subfields. Brain Research Bulletin, 2021, 171, 35-43.	3.0	6
104	Using New Approaches in Neurobiology to Rethink Stress-Induced Amnesia. Current Behavioral Neuroscience Reports, 2017, 4, 49-58.	1.3	5
105	GluN2A-ERK-mTOR pathway confers a vulnerability to LPS-induced depressive-like behaviour. Behavioural Brain Research, 2022, 417, 113625.	2.2	5
106	Changes in Immunological and Neuronal Conditions Markedly Altered Antibody Response to Intracerebroventricularly Injected Ovalbumin in the Rat. NeuroImmunoModulation, 1997, 4, 181-187.	1.8	4
107	Glucocorticoid receptor alpha translational isoforms as mediators of early adversities and negative emotional states. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2019, 90, 288-299.	4.8	4
108	PFC mTOR signaling as a biological signature for cognitive deficits in bipolar disorder without psychosis. Cell Reports Medicine, 2021, 2, 100282.	6.5	4

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109	Characterization of native corticotropinâ€releasing factor receptor type 1 (cRFR1) in the rat and mouse central nervous system. Journal of Neuroscience Research, 1998, 54, 507-521.	2.9	3
110	Stress-induced changes of the cholinergic circuitry promote retrieval-based generalization of aversive memories. Molecular Psychiatry, 2022, 27, 3795-3805.	7.9	3
111	High ethanol preference and dissociated memory are co-occurring phenotypes associated with hippocampal GABAAR-Î´ receptor levels. Neurobiology of Learning and Memory, 2021, 183, 107459.	1.9	2
112	From chronic stress and anxiety to neurodegeneration: Focus on neuromodulation of the axon initial segment. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2022, 184, 481-495.	1.8	2
113	Protocol for assessing the role of hippocampal perineuronal nets in aversive memories. STAR Protocols, 2021, 2, 100931.	1.2	1
114	Receptors in (e)motion. Nature Neuroscience, 2011, 14, 1222-1224.	14.8	0
115	Introduction to the special issue of Neurobiology of Learning and Memory on Fear Extinction. Neurobiology of Learning and Memory, 2014, 113, 1-2.	1.9	0
116	Experimental Methods for Functional Studies of microRNAs in Animal Models of Psychiatric Disorders. Neuromethods, 2016, , 129-146.	0.3	0
117	Role of peripheral inflammation in central cytokine signaling, depression, and fear. FASEB Journal, 2013, 27, 690.8.	0.5	0
118	Naturally Occurring Anti-peptide Antibodies in the Rat. , 1997, , 197-203.		0