

Deepak P Srivastava

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/723909/publications.pdf>

Version: 2024-02-01

72
papers

3,811
citations

136950

32
h-index

138484

58
g-index

88
all docs

88
docs citations

88
times ranked

5331
citing authors

#	ARTICLE	IF	CITATIONS
1	Disrupted-in-Schizophrenia 1 (DISC1) regulates spines of the glutamate synapse via Rac1. <i>Nature Neuroscience</i> , 2010, 13, 327-332.	14.8	367
2	Kalirin-7 Controls Activity-Dependent Structural and Functional Plasticity of Dendritic Spines. <i>Neuron</i> , 2007, 56, 640-656.	8.1	330
3	Rapid, Nongenomic Responses to Ecdysteroids and Catecholamines Mediated by a Novel <i>Drosophila</i> G-Protein-Coupled Receptor. <i>Journal of Neuroscience</i> , 2005, 25, 6145-6155.	3.6	210
4	Rapid modulation of spine morphology by the 5-HT _{2A} serotonin receptor through kalirin-7 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 19575-19580.	7.1	174
5	Epac2 induces synapse remodeling and depression and its disease-associated forms alter spines. <i>Nature Neuroscience</i> , 2009, 12, 1275-1284.	14.8	148
6	Rapid enhancement of two-step wiring plasticity by estrogen and NMDA receptor activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14650-14655.	7.1	139
7	Segregated Populations of Hippocampal Principal CA1 Neurons Mediating Conditioning and Extinction of Contextual Fear. <i>Journal of Neuroscience</i> , 2009, 29, 3387-3394.	3.6	119
8	Rapid Estrogen Signaling in the Brain: Implications for the Fine-Tuning of Neuronal Circuitry. <i>Journal of Neuroscience</i> , 2011, 31, 16056-16063.	3.6	119
9	Insights into Rapid Modulation of Neuroplasticity by Brain Estrogens. <i>Pharmacological Reviews</i> , 2013, 65, 1318-1350.	16.0	110
10	Convergent CaMK and RacGEF signals control dendritic structure and function. <i>Trends in Cell Biology</i> , 2008, 18, 405-413.	7.9	108
11	Stem cell-derived neurons from autistic individuals with SHANK3 mutation show morphogenetic abnormalities during early development. <i>Molecular Psychiatry</i> , 2018, 23, 735-746.	7.9	102
12	N-Cadherin Regulates Cytoskeletally Associated IQGAP1/ERK Signaling and Memory Formation. <i>Neuron</i> , 2007, 55, 786-798.	8.1	86
13	Estrogen Receptor $\hat{1}^2$ Activity Modulates Synaptic Signaling and Structure. <i>Journal of Neuroscience</i> , 2010, 30, 13454-13460.	3.6	86
14	Coordination of Synaptic Adhesion with Dendritic Spine Remodeling by AF-6 and Kalirin-7. <i>Journal of Neuroscience</i> , 2008, 28, 6079-6091.	3.6	85
15	\hat{G} -Protein Oestrogen Receptor 1: Trials and Tribulations of a Membrane Oestrogen Receptor. <i>Journal of Neuroendocrinology</i> , 2013, 25, 1219-1230.	2.6	81
16	Amyloid $\hat{1}^2$ synaptotoxicity is Wnt $\hat{1}$ -PCP dependent and blocked by fasudil. <i>Alzheimer's and Dementia</i> , 2018, 14, 306-317.	0.8	81
17	Psychosis Risk Candidate ZNF804A Localizes to Synapses and Regulates Neurite Formation and Dendritic Spine Structure. <i>Biological Psychiatry</i> , 2017, 82, 49-61.	1.3	76
18	Rapid modulation of synaptogenesis and spinogenesis by 17 $\hat{1}$ -estradiol in primary cortical neurons. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 137.	3.7	73

#	ARTICLE	IF	CITATIONS
19	An Autism-Associated Variant of Epac2 Reveals a Role for Ras/Epac2 Signaling in Controlling Basal Dendrite Maintenance in Mice. <i>PLoS Biology</i> , 2012, 10, e1001350.	5.6	73
20	Molecular signature of rapid estrogen regulation of synaptic connectivity and cognition. <i>Frontiers in Neuroendocrinology</i> , 2015, 36, 72-89.	5.2	72
21	Social, Communication, and Cortical Structural Impairments in Epac2-Deficient Mice. <i>Journal of Neuroscience</i> , 2012, 32, 11864-11878.	3.6	62
22	Control of Dendritic Spine Morphological and Functional Plasticity by Small GTPases. <i>Neural Plasticity</i> , 2016, 2016, 1-12.	2.2	62
23	Estradiol modulates the efficacy of synaptic inhibition by decreasing the dwell time of GABA _A receptors at inhibitory synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11763-11768.	7.1	57
24	Interferon- β signaling in human iPSC-derived neurons recapitulates neurodevelopmental disorder phenotypes. <i>Science Advances</i> , 2020, 6, eaay9506.	10.3	56
25	Analysis of Dendritic Spine Morphology in Cultured CNS Neurons. <i>Journal of Visualized Experiments</i> , 2011, , e2794.	0.3	49
26	Epac2-mediated dendritic spine remodeling: Implications for disease. <i>Molecular and Cellular Neurosciences</i> , 2011, 46, 368-380.	2.2	44
27	Hippocampal biomarkers of fear memory in an animal model of generalized anxiety disorder. <i>Behavioural Brain Research</i> , 2014, 263, 34-45.	2.2	44
28	Estradiol and the Development of the Cerebral Cortex: An Unexpected Role?. <i>Frontiers in Neuroscience</i> , 2018, 12, 245.	2.8	43
29	The Psychiatric Risk Gene NT5C2 Regulates Adenosine Monophosphate-Activated Protein Kinase Signaling and Protein Translation in Human Neural Progenitor Cells. <i>Biological Psychiatry</i> , 2019, 86, 120-130.	1.3	42
30	Rapid Estradiol Modulation of Neuronal Connectivity and Its Implications for Disease. <i>Frontiers in Endocrinology</i> , 2011, 2, 77.	3.5	41
31	Genome-wide significant schizophrenia risk variation on chromosome 10q24 is associated with altered cis-regulation of BORCS7, AS3MT, and NT5C2 in the human brain. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2016, 171, 806-814.	1.7	41
32	Atypical Neurogenesis in Induced Pluripotent Stem Cells From Autistic Individuals. <i>Biological Psychiatry</i> , 2021, 89, 486-496.	1.3	40
33	Mechanisms underlying the interactions between rapid estrogenic and BDNF control of synaptic connectivity. <i>Neuroscience</i> , 2013, 239, 17-33.	2.3	38
34	Two-Step Wiring Plasticity – A mechanism for estrogen-induced rewiring of cortical circuits. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012, 131, 17-23.	2.5	35
35	Planar Airy beam light-sheet for two-photon microscopy. <i>Biomedical Optics Express</i> , 2020, 11, 3927.	2.9	31
36	Virus-Induced Maternal Immune Activation as an Environmental Factor in the Etiology of Autism and Schizophrenia. <i>Frontiers in Neuroscience</i> , 2022, 16, 834058.	2.8	31

#	ARTICLE	IF	CITATIONS
37	Myosin-Va-interacting protein, RILPL2, controls cell shape and neuronal morphogenesis via Rac signaling. <i>Journal of Cell Science</i> , 2009, 122, 3810-3821.	2.0	29
38	Afadin Is Required for Maintenance of Dendritic Structure and Excitatory Tone. <i>Journal of Biological Chemistry</i> , 2012, 287, 35964-35974.	3.4	28
39	Understanding the role of steroids in typical and atypical brain development: Advantages of using a "brain in a dish" approach. <i>Journal of Neuroendocrinology</i> , 2018, 30, e12547.	2.6	28
40	Î ⁹ -tetrahydrocannabinol and 2-AG decreases neurite outgrowth and differentially affects ERK1/2 and Akt signaling in hiPSC-derived cortical neurons. <i>Molecular and Cellular Neurosciences</i> , 2020, 103, 103463.	2.2	24
41	Not Just Actin? A Role for Dynamic Microtubules in Dendritic Spines. <i>Neuron</i> , 2009, 61, 3-5.	8.1	23
42	Coordinated Nuclear and Synaptic Shuttling of Afadin Promotes Spine Plasticity and Histone Modifications. <i>Journal of Biological Chemistry</i> , 2014, 289, 10831-10842.	3.4	22
43	Utilizing induced pluripotent stem cells (iPSCs) to understand the actions of estrogens in human neurons. <i>Hormones and Behavior</i> , 2015, 74, 228-242.	2.1	21
44	Associations of the Intellectual Disability Gene MYT1L with Helix "Loop" Helix Gene Expression, Hippocampus Volume and Hippocampus Activation During Memory Retrieval. <i>Neuropsychopharmacology</i> , 2017, 42, 2516-2526.	5.4	20
45	Maternal immune activation primes deficiencies in adult hippocampal neurogenesis. <i>Brain, Behavior, and Immunity</i> , 2021, 97, 410-422.	4.1	20
46	The Progesterone Receptor Interactome in the Female Mouse Hypothalamus: Interactions with Synaptic Proteins Are Isoform Specific and Ligand Dependent. <i>ENeuro</i> , 2017, 4, ENEURO.0272-17.2017.	1.9	20
47	Novel epigenetic clock for fetal brain development predicts prenatal age for cellular stem cell models and derived neurons. <i>Molecular Brain</i> , 2021, 14, 98.	2.6	19
48	Neurodevelopmental disorder-associated ZBTB20 gene variants affect dendritic and synaptic structure. <i>PLoS ONE</i> , 2018, 13, e0203760.	2.5	18
49	Scaffold Protein X11± Interacts with Kalirin-7 in Dendrites and Recruits It to Golgi Outposts. <i>Journal of Biological Chemistry</i> , 2014, 289, 35517-35529.	3.4	15
50	Emerging Developments in Human Induced Pluripotent Stem Cell-Derived Microglia: Implications for Modelling Psychiatric Disorders With a Neurodevelopmental Origin. <i>Frontiers in Psychiatry</i> , 2020, 11, 789.	2.6	14
51	Application of Airy beam light sheet microscopy to examine early neurodevelopmental structures in 3D hiPSC-derived human cortical spheroids. <i>Molecular Autism</i> , 2021, 12, 4.	4.9	14
52	Characterisation of neurons derived from a cortical human neural stem cell line CTX0E16. <i>Stem Cell Research and Therapy</i> , 2015, 6, 149.	5.5	13
53	Loss of EPAC2 alters dendritic spine morphology and inhibitory synapse density. <i>Molecular and Cellular Neurosciences</i> , 2019, 98, 19-31.	2.2	13
54	Identification and characterization of a novel amphioxus dopamine D ₁ -like receptor. <i>Journal of Neurochemistry</i> , 2009, 111, 26-36.	3.9	12

#	ARTICLE	IF	CITATIONS
55	Estradiol reverses excitatory synapse loss in a cellular model of neuropsychiatric disorders. <i>Translational Psychiatry</i> , 2020, 10, 16.	4.8	11
56	Effects of chronic exposure to haloperidol, olanzapine or lithium on SV2A and NLGN synaptic puncta in the rat frontal cortex. <i>Behavioural Brain Research</i> , 2021, 405, 113203.	2.2	10
57	Cerebrospinal fluid markers for synaptic function and Alzheimer type changes in late life depression. <i>Scientific Reports</i> , 2021, 11, 20375.	3.3	9
58	Brain-synthesized oestrogens regulate cortical migration in a sexually divergent manner. <i>European Journal of Neuroscience</i> , 2020, 52, 2646-2663.	2.6	8
59	Transcriptome-wide association study reveals two genes that influence mismatch negativity. <i>Cell Reports</i> , 2021, 34, 108868.	6.4	8
60	Quantifying barcodes of dendritic spines using entropy-based metrics. <i>Scientific Reports</i> , 2015, 5, 14622.	3.3	7
61	Attenuated transcriptional response to pro-inflammatory cytokines in schizophrenia hiPSC-derived neural progenitor cells. <i>Brain, Behavior, and Immunity</i> , 2022, 105, 82-97.	4.1	7
62	Molecular Mechanisms of Dendritic Spine Development and Plasticity. <i>Neural Plasticity</i> , 2016, 2016, 1-3.	2.2	5
63	Rapid, Non-Genomic Responses to Ecdysteroids and Catecholamines Mediated by a Novel Drosophila G-Protein-Coupled Receptor. , 2009, , 425-443.		5
64	Apolipoprotein E expression pattern in human induced pluripotent stem cells during in vitro neural induction. <i>F1000Research</i> , 2020, 9, 353.	1.6	5
65	Correction for Srivastava <i>et al.</i> , Rapid enhancement of two-step wiring plasticity by estrogen and NMDA receptor activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 20045-20045.	7.1	4
66	Neuroigin-3 and neuroigin-4X form nanoscopic clusters and regulate growth cone organization and size. <i>Human Molecular Genetics</i> , 2022, 31, 674-691.	2.9	4
67	Introduction to steroid hormone actions in the CNS: The role of brain-derived neurotrophic factor (BDNF). <i>Neuroscience</i> , 2013, 239, 1-2.	2.3	2
68	Cyto-nuclear shuttling of afadin is required for rapid estradiol-mediated modifications of histone H3. <i>Neuropharmacology</i> , 2018, 143, 153-162.	4.1	2
69	Apolipoprotein E expression pattern in human induced pluripotent stem cells during in vitro neural induction. <i>F1000Research</i> , 2020, 9, 353.	1.6	2
70	Exchange protein directly activated by cAMP 2 is required for corticotropin-releasing hormone-mediated spine loss. <i>European Journal of Neuroscience</i> , 2019, 50, 3108-3114.	2.6	1
71	Cell line specific alterations in genes associated with dopamine metabolism and signaling in midbrain dopaminergic neurons derived from 22q11.2 deletion carriers with elevated dopamine synthesis capacity. <i>Schizophrenia Research</i> , 2022, , .	2.0	1
72	Dopamine-induced interactions of female mouse hypothalamic proteins with progesterin receptor in the absence of hormone. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12904.	2.6	0