Josef T Kittler

List of Publications by Year
in descending order

94 papers	8,790 citations	34105 52 h-index	46799 89 g-index
107 all docs	107 docs citations	107 times ranked	9610 citing authors

#	Article	IF	Citations
1	The non-adrenergic imidazoline-1 receptor protein nischarin is a key regulator of astrocyte glutamate uptake. IScience, 2022, 25, 104127.	4.1	3
2	Phosphorylation of neuroligin-2 by PKA regulates its cell surface abundance and synaptic stabilization. Science Signaling, 2022, 15, .	3.6	4
3	Regulation of peroxisomal trafficking and distribution. Cellular and Molecular Life Sciences, 2021, 78, 1929-1941.	5.4	14
4	Cdk5 and GSK3Î² inhibit fast endophilin-mediated endocytosis. Nature Communications, 2021, 12, 2424.	12.8	24
5	Loss of neuronal Miro1 disrupts mitophagy and induces hyperactivation of the integrated stress response. EMBO Journal, 2021, 40, e100715.	7.8	36
6	Miro1-dependent mitochondrial dynamics in parvalbumin interneurons. ELife, 2021, 10, .	6.0	13
7	KCC2 is required for the survival of mature neurons but not for their development. Journal of Biological Chemistry, 2021, 296, 100364.	3.4	15
8	Axonal autophagosome maturation defect through failure of ATG9A sorting underpins pathology in AP-4 deficiency syndrome. Autophagy, 2020, 16, 391-407.	9.1	59
9	DISC1 Regulates Mitochondrial Trafficking in a Miro1-GTP-Dependent Manner. Frontiers in Cell and Developmental Biology, 2020, 8, 449.	3.7	16
10	Peroxisomal fission is modulated by the mitochondrial Rhoâ€GTPases, Miro1 and Miro2. EMBO Reports, 2020, 21, e49865.	4.5	42
11	Miro clusters regulate ER-mitochondria contact sites and link cristae organization to the mitochondrial transport machinery. Nature Communications, 2019, 10, 4399.	12.8	119
12	Autism and Schizophrenia-Associated CYFIP1 Regulates the Balance of Synaptic Excitation and Inhibition. Cell Reports, 2019, 26, 2037-2051.e6.	6.4	107
13	The adaptor proteins HAP1a and GRIP1 collaborate to activate kinesin-1 isoform KIF5C. Journal of Cell Science, 2019, 132, .	2.0	41
14	SNX27-Mediated Recycling of Neuroligin-2 Regulates Inhibitory Signaling. Cell Reports, 2019, 29, 2599-2607.e6.	6.4	17
15	Nanoscale tweezers for single-cell biopsies. Nature Nanotechnology, 2019, 14, 80-88.	31.5	147
16	Mitochondria at the neuronal presynapse in health and disease. Nature Reviews Neuroscience, 2018, 19, 63-80.	10.2	486
17	Miro proteins coordinate microtubuleâ€•and actinâ€dependent mitochondrial transport and distribution. EMBO Journal, 2018, 37, 321-336.	7.8	222
18	Ubiquitination at the mitochondria in neuronal health and disease. Neurochemistry International, 2018, 117, 55-64.	3.8	24

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19	Quantum dot conjugated nanobodies for multiplex imaging of protein dynamics at synapses. Nanoscale, 2018, 10, 10241-10249.	5.6	17
20	Mitochondrial roles of the psychiatric disease risk factor DISC1. Schizophrenia Research, 2017, 187, 47-54.	2.0	26
21	Myostatin-like proteins regulate synaptic function and neuronal morphology. Development (Cambridge), 2017, 144, 2445-2455.	2.5	37
22	Miro1â€dependent mitochondrial positioning drives the rescaling of presynaptic Ca ²⁺ signals during homeostatic plasticity. EMBO Reports, 2017, 18, 231-240.	4.5	99
23	An Essential Role for the Tetraspanin LHFPL4 in the Cell-Type-Specific Targeting and Clustering of Synaptic GABA A Receptors. Cell Reports, 2017, 21, 70-83.	6.4	85
24	DISC1 is a coordinator of intracellular trafficking to shape neuronal development and connectivity. Journal of Physiology, 2016, 594, 5459-5469.	2.9	21
25	Loss of Dendritic Complexity Precedes Neurodegeneration in a Mouse Model with Disrupted Mitochondrial Distribution in Mature Dendrites. Cell Reports, 2016, 17, 317-327.	6.4	144
26	Neuronal activity mediated regulation of glutamate transporter GLTâ€1 surface diffusion in rat astrocytes in dissociated and slice cultures. Glia, 2016, 64, 1252-1264.	4.9	66
27	Miro sculpts mitochondrial dynamics in neuronal health and disease. Neurobiology of Disease, 2016, 90, 27-34.	4.4	56
28	DISC1-dependent Regulation of Mitochondrial Dynamics Controls the Morphogenesis of Complex Neuronal Dendrites. Journal of Biological Chemistry, 2016, 291, 613-629.	3.4	92
29	Regulation of mitochondrial trafficking, function and quality control by the mitochondrial GTPases Miro1 and Miro2. SpringerPlus, 2015, 4, L33.	1.2	4
30	Miro1 Regulates Activity-Driven Positioning of Mitochondria within Astrocytic Processes Apposed to Synapses to Regulate Intracellular Calcium Signaling. Journal of Neuroscience, 2015, 35, 15996-16011.	3.6	110
31	Activation of calcineurin underlies altered trafficking of Î±2 subunit containing GABAA receptors during prolonged epileptiform activity. Neuropharmacology, 2015, 88, 82-90.	4.1	37
32	GABAergic Signaling in Health and Disease. Neuropharmacology, 2015, 88, 1.	4.1	2
33	Plasticity of GABAA receptor diffusion dynamics at the axon initial segment. Frontiers in Cellular Neuroscience, 2014, 8, 151.	3.7	59
34	The autism and schizophrenia associated gene CYFIP1 is critical for the maintenance of dendritic complexity and the stabilization of mature spines. Translational Psychiatry, 2014, 4, e374-e374.	4.8	167
35	Lysine 27 Ubiquitination of the Mitochondrial Transport Protein Miro Is Dependent on Serine 65 of the Parkin Ubiquitin Ligase. Journal of Biological Chemistry, 2014, 289, 14569-14582.	3.4	152
36	Mitochondrial dynamics in astrocytes. Biochemical Society Transactions, 2014, 42, 1302-1310.	3.4	35

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37	Preface. Seminars in Cell and Developmental Biology, 2014, 27, 1-2.	5.0	0
38	GIT1 and Î²PIX Are Essential for GABA A Receptor Synaptic Stability and Inhibitory Neurotransmission. Cell Reports, 2014, 9, 298-310.	6.4	56
39	Shedding light on mitochondrial movements in axons (Commentary on Obashi & Okabe). European Journal of Neuroscience, 2013, 38, 2349-2349.	2.6	2
40	Mitochondrial trafficking in neurons and the role of the Miro family of GTPase proteins. Biochemical Society Transactions, 2013, 41, 1525-1531.	3.4	91
41	Shank3 Deficiency Induces NMDA Receptor Hypofunction via an Actin-Dependent Mechanism. Journal of Neuroscience, 2013, 33, 15767-15778.	3.6	103
42	Disrupted in Schizophrenia 1 forms pathological aggresomes that disrupt its function in intracellular transport. Human Molecular Genetics, 2012, 21, 2017-2028.	2.9	54
43	DISC1 and the aggresome. Autophagy, 2012, 8, 851-852.	9.1	11
44	Neuronal Mitochondrial Transport and Dysfunction. , 2012, , 157-173.		1
45	Continuous hydrothermal synthesis of surface-functionalised nanophosphors for biological imaging. RSC Advances, 2012, 2, 10037.	3.6	12
46	Stabilization of GABA_AReceptors at Endocytic Zones Is Mediated by an AP2 Binding Motif within the GABA_AReceptor Î³3 Subunit. Journal of Neuroscience, 2012, 32, 2485-2498.	3.6	55
47	Disrupted in Schizophrenia-1 regulates intracellular trafficking of mitochondria in neurons. Molecular Psychiatry, 2011, 16, 122-124.	7.9	66
48	Impaired Î±-Amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) Receptor Trafficking and Function by Mutant Huntingtin. Journal of Biological Chemistry, 2011, 286, 33719-33728.	3.4	49
49	Control of mitochondrial transport and localization in neurons. Trends in Cell Biology, 2010, 20, 102-112.	7.9	305
50	The cell biology of synaptic inhibition in health and disease. Current Opinion in Neurobiology, 2010, 20, 550-556.	4.2	49
51	The receptor subunits generating NMDA receptor mediated currents in oligodendrocytes. Journal of Physiology, 2010, 588, 3403-3414.	2.9	60
52	Mitochondrial trafficking and the provision of energy and calcium buffering at excitatory synapses. European Journal of Neuroscience, 2010, 32, 231-240.	2.6	132
53	NMDA receptors regulate GABA _A receptor lateral mobility and clustering at inhibitory synapses through serine 327 on the Î²2 subunit. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16679-16684.	7.1	132
54	Identification and characterisation of a Maf1/Macoco protein complex that interacts with GABAA receptors in neurons. Molecular and Cellular Neurosciences, 2010, 44, 330-341.	2.2	19

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55	Delivery of GABAARs to Synapses Is Mediated by HAP1-KIF5 and Disrupted by Mutant Huntingtin. Neuron, 2010, 65, 53-65.	8.1	225
56	Ubiquitin-dependent lysosomal targeting of GABA _A receptors regulates neuronal inhibition. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17552-17557.	7.1	77
57	Regulation of GABAA receptor membrane trafficking and synaptic localization. , 2009, 123, 17-31.		53
58	Miro1 Is a Calcium Sensor for Glutamate Receptor-Dependent Localization of Mitochondria at Synapses. Neuron, 2009, 61, 541-555.	8.1	560
59	GTPase dependent recruitment of Grif-1 by Miro1 regulates mitochondrial trafficking in hippocampal neurons. Molecular and Cellular Neurosciences, 2009, 40, 301-312.	2.2	152
60	Regulation of inhibitory synaptic transmission by a conserved atypical interaction of GABAA receptor Î2- and Î3-subunits with the clathrin AP2 adaptor. Neuropharmacology, 2008, 55, 844-850.	4.1	26
61	Regulation of synaptic inhibition by phospho-dependent binding of the AP2 complex to a YECL motif in the GABA _A receptor Î32 subunit. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3616-3621.	7.1	105
62	Deficits in Phosphorylation of GABA_AReceptors by Intimately Associated Protein Kinase C Activity Underlie Compromised Synaptic Inhibition during Status Epilepticus. Journal of Neuroscience, 2008, 28, 376-384.	3.6	129
63	Molecular Organization of the Postsynaptic Membrane at Inhibitory Synapses. , 2008, , 621-660.		0
64	Molecular determinants for the interaction between AMPA receptors and the clathrin adaptor complex AP-2. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2991-2996.	7.1	77
65	Phospholipase Câ€related inactive protein is implicated in the constitutive internalization of GABA A receptors mediated by clathrin and AP2 adaptor complex. Journal of Neurochemistry, 2007, 101, 898-905.	3.9	49
66	Censoring the Editor in Transient Forebrain Ischemia. Neuron, 2006, 49, 646-648.	8.1	2
67	Studying the Localization, Surface Stability and Endocytosis of Neurotransmitter Receptors by Antibody Labeling and Biotinylation Approaches. Frontiers in Neuroscience, 2006, , 91-118.	0.0	1
68	Modulation of GABAA Receptor Phosphorylation and Membrane Trafficking by Phospholipase C-related Inactive Protein/Protein Phosphatase 1 and 2A Signaling Complex Underlying Brain-derived Neurotrophic Factor-dependent Regulation of GABAergic Inhibition. Journal of Biological Chemistry, 2006, 281, 22180-22189.	3.4	80
69	Dopamine D3 Receptors Regulate GABAA Receptor Function through a Phospho-Dependent Endocytosis Mechanism in Nucleus Accumbens. Journal of Neuroscience, 2006, 26, 2513-2521.	3.6	94
70	Transfecting and Transducing Neurons with Synthetic Nucleic Acids and Biologically Active Macromolecules. Frontiers in Neuroscience, 2006, , 205-239.	0.0	0
71	Gephyrin Regulates the Cell Surface Dynamics of Synaptic GABAA Receptors. Journal of Neuroscience, 2005, 25, 10469-10478.	3.6	233
72	Phospho-dependent binding of the clathrin AP2 adaptor complex to GABAA receptors regulates the efficacy of inhibitory synaptic transmission. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 14871-14876.	7.1	159

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73	Brain-Derived Neurotrophic Factor Modulates Fast Synaptic Inhibition by Regulating GABAA Receptor Phosphorylation, Activity, and Cell-Surface Stability. Journal of Neuroscience, 2004, 24, 522-530.	3.6	249
74	Huntingtin-associated protein 1 regulates inhibitory synaptic transmission by modulating Â-aminobutyric acid type A receptor membrane trafficking. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12736-12741.	7.1	204
75	GABAA Receptor Phospho-Dependent Modulation Is Regulated by Phospholipase C-Related Inactive Protein Type 1, a Novel Protein Phosphatase 1 Anchoring Protein. Journal of Neuroscience, 2004, 24, 7074-7084.	3.6	98
76	Association of GRIP1 with a GABAA receptor associated protein suggests a role for GRIP1 at inhibitory synapses. Biochemical Pharmacology, 2004, 68, 1649-1654.	4.4	43
77	Palmitoylation regulates the clustering and cell surface stability of GABAA receptors. Molecular and Cellular Neurosciences, 2004, 26, 251-257.	2.2	97
78	Modulation of GABAA receptor activity by phosphorylation and receptor trafficking: implications for the efficacy of synaptic inhibition. Current Opinion in Neurobiology, 2003, 13, 341-347.	4.2	262
79	A-kinase anchoring protein 79/150 facilitates the phosphorylation of GABAA receptors by cAMP-dependent protein kinase via selective interaction with receptor Î² subunits. Molecular and Cellular Neurosciences, 2003, 22, 87-97.	2.2	100
80	The LIM Protein Ajuba Is Recruited to Cadherin-dependent Cell Junctions through an Association with Î±-Catenin. Journal of Biological Chemistry, 2003, 278, 1220-1228.	3.4	137
81	Subunit specificity and interaction domain between GABAA receptor-associated protein (GABARAP) and GABAA receptors. Journal of Neurochemistry, 2002, 80, 815-823.	3.9	65
82	Mechanisms of GABA_A Receptor Assembly and Trafficking: Implications for the Modulation of Inhibitory Neurotransmission. Molecular Neurobiology, 2002, 26, 251-268.	4.0	78
83	Association of GABAB Receptors and Members of the 14-3-3 Family of Signaling Proteins. Molecular and Cellular Neurosciences, 2001, 17, 317-328.	2.2	115
84	The Subcellular Distribution of GABARAP and Its Ability to Interact with NSF Suggest a Role for This Protein in the Intracellular Transport of GABAA Receptors. Molecular and Cellular Neurosciences, 2001, 18, 13-25.	2.2	217
85	Neurotransmitter Receptor Trafficking and the Regulation of Synaptic Strength. Traffic, 2001, 2, 437-448.	2.7	33
86	GABAA receptor cell surface number and subunit stability are regulated by the ubiquitin-like protein Plic-1. Nature Neuroscience, 2001, 4, 908-916.	14.8	217
87	Large-scale analysis of gene expression changes during acute and chronic exposure to Î"⁹-THC in rats. Physiological Genomics, 2000, 3, 175-185.	2.3	59
88	Constitutive Endocytosis of GABA_AReceptors by an Association with the Adaptin AP2 Complex Modulates Inhibitory Synaptic Currents in Hippocampal Neurons. Journal of Neuroscience, 2000, 20, 7972-7977.	3.6	281
89	Identification of Residues within GABAAReceptor Î± Subunits That Mediate Specific Assembly with Receptor Î² Subunits. Journal of Neuroscience, 2000, 20, 1297-1306.	3.6	67
90	GABAA Receptor Phosphorylation and Functional Modulation in Cortical Neurons by a Protein Kinase C-dependent Pathway. Journal of Biological Chemistry, 2000, 275, 38856-38862.	3.4	162

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91	Analysis of GABAA Receptor Assembly in Mammalian Cell Lines and Hippocampal Neurons Using Î³2 Subunit Green Fluorescent Protein Chimeras. Molecular and Cellular Neurosciences, 2000, 16, 440-452.	2.2	71
92	Subunit-Specific Association of Protein Kinase C and the Receptor for Activated C Kinase with GABA Type A Receptors. Journal of Neuroscience, 1999, 19, 9228-9234.	3.6	114
93	Cell Surface Stability of Î³-Aminobutyric Acid Type A Receptors. Journal of Biological Chemistry, 1999, 274, 36565-36572.	3.4	167
94	Effects of long-term exposure to Î”9-THC on expression of cannabinoid receptor (CB1) mRNA in different rat brain regions. Molecular Brain Research, 1998, 62, 141-149.	2.3	104