Heinrich J G Matthies

List of Publications by Year
in descending order

54	3,882	159358 30	189595 50
papers	citations	h-index	g-index

59	59	59	4101
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Drosophila Fragile X-Related Gene Regulates the MAP1B Homolog Futsch to Control Synaptic Structure and Function. Cell, 2001, 107, 591-603.	13.5	602
2	The Bipolar Kinesin, KLP61F, Cross-links Microtubules within Interpolar Microtubule Bundles of Drosophila Embryonic Mitotic Spindles. Journal of Cell Biology, 1999, 144, 125-138.	2.3	299
3	Anastral meiotic spindle morphogenesis: role of the non-claret disjunctional kinesin-like protein.. Journal of Cell Biology, 1996, 134, 455-464.	2.3	254
4	Down regulation of protein kinase C in neuronal cells: effects on neurotransmitter release. Journal of Neuroscience, 1987, 7, 1198-1206.	1.7	208
5	De novo mutation in the dopamine transporter gene associates dopamine dysfunction with autism spectrum disorder. Molecular Psychiatry, 2013, 18, 1315-1323.	4.1	181
6	Flotillin-1 is essential for PKC-triggered endocytosis and membrane microdomain localization of DAT. Nature Neuroscience, 2011, 14, 469-477.	7.1	177
7	A Closer Look at Amphetamine-Induced Reverse Transport and Trafficking of the Dopamine and Norepinephrine Transporters. Molecular Neurobiology, 2009, 39, 73-80.	1.9	168
8	PIP2 regulates psychostimulant behaviors through its interaction with a membrane protein. Nature Chemical Biology, 2014, 10, 582-589.	3.9	109
9	SLC6A3 coding variant Ala559Val found in two autism probands alters dopamine transporter function and trafficking. Translational Psychiatry, 2014, 4, e464-e464.	2.4	108
10	Dysregulation of Dopamine Transporters via Dopamine D₂Autoreceptors Triggers Anomalous Dopamine Efflux Associated with Attention-Deficit Hyperactivity Disorder. Journal of Neuroscience, 2010, 30, 6048-6057.	1.7	105
11	Autism-linked dopamine transporter mutation alters striatal dopamine neurotransmission and dopamine-dependent behaviors. Journal of Clinical Investigation, 2019, 129, 3407-3419.	3.9	103
12	Ceramidase Regulates Synaptic Vesicle Exocytosis and Trafficking. Journal of Neuroscience, 2004, 24, 7789-7803.	1.7	102
13	The effect of down regulation of protein kinase C on the inhibitory modulation of dorsal root ganglion neuron Ca2+ currents by neuropeptide Y. Journal of Neuroscience, 1988, 8, 2447-2451.	1.7	94
14	Impaired Striatal Akt Signaling Disrupts Dopamine Homeostasis and Increases Feeding. PLoS ONE, 2011, 6, e25169.	1.1	90
15	Identification of Novel Drosophila Meiotic Genes Recovered in a P-Element Screen. Genetics, 1999, 152, 529-542.	1.2	88
16	Dual agonist occupancy of AT1-Râ€“Î±2C-AR heterodimers results in atypical Gs-PKA signaling. Nature Chemical Biology, 2015, 11, 271-279.	3.9	83
17	Insulin Reveals Akt Signaling as a Novel Regulator of Norepinephrine Transporter Trafficking and Norepinephrine Homeostasis. Journal of Neuroscience, 2010, 30, 11305-11316.	1.7	71
18	Amphetamine actions at the serotonin transporter rely on the availability of phosphatidylinositol-4,5-bisphosphate. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11642-11647.	3.3	71

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19	Rare Autism-Associated Variants Implicate Syntaxin 1 (STX1 R26Q) Phosphorylation and the Dopamine Transporter (hDAT R51W) in Dopamine Neurotransmission and Behaviors. EBioMedicine, 2015, 2, 135-146.	2.7	70
20	The Drosophila fragile X-related gene regulates axoneme differentiation during spermatogenesis. Developmental Biology, 2004, 270, 290-307.	0.9	66
21	Rolling blackout, a newly identified PIP2-DAG pathway lipase required for Drosophila phototransduction. Nature Neuroscience, 2004, 7, 1070-1078.	7.1	64
22	Transfer of cholesterol from its site of synthesis to the plasma membrane. Journal of Biological Chemistry, 1984, 259, 14624-30.	1.6	64
23	Cholesterol oxidase susceptibility of the red cell membrane. Biochimica Et Biophysica Acta - Biomembranes, 1984, 769, 551-562.	1.4	61
24	Integrins regulate DLG/FAS2 via a CaM kinase II-dependent pathway to mediate synapse elaboration and stabilization during postembryonic development. Development (Cambridge), 2002, 129, 3381-3391.	1.2	58
25	Orphan Kinesin NOD Lacks Motile Properties But Does Possess a Microtubule-stimulated ATPase Activity. Molecular Biology of the Cell, 2001, 12, 4000-4012.	0.9	46
26	Drosophila Nod Protein Binds Preferentially to the Plus Ends of Microtubules and Promotes Microtubule Polymerization In Vitro. Molecular Biology of the Cell, 2005, 16, 5400-5409.	0.9	46
27	cGMP-dependent protein kinase Î± associates with the antidepressant-sensitive serotonin transporter and dictates rapid modulation of serotonin uptake. Molecular Brain, 2009, 2, 26.	1.3	43
28	mTORC2/Rictor Signaling Disrupts Dopamine-Dependent Behaviors via Defects in Striatal Dopamine Neurotransmission. Journal of Neuroscience, 2015, 35, 8843-8854.	1.7	38
29	Subcellular localization of the antidepressant-sensitive norepinephrine transporter. BMC Neuroscience, 2009, 10, 65.	0.8	35
30	Structural, functional, and behavioral insights of dopamine dysfunction revealed by a deletion in SLC6A3. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3853-3862.	3.3	35
31	Integrins regulate DLG/FAS2 via a CaM kinase II-dependent pathway to mediate synapse elaboration and stabilization during postembryonic development. Development (Cambridge), 2002, 129, 3381-91.	1.2	33
32	Mutations in the Î±-Tubulin 67C Gene Specifically Impair Achiasmate Segregation in Drosophila melanogaster. Journal of Cell Biology, 1999, 147, 1137-1144.	2.3	32
33	Yohimbine Depresses Excitatory Transmission in BNST and Impairs Extinction of Cocaine Place Preference Through Orexin-Dependent, Norepinephrine-Independent Processes. Neuropsychopharmacology, 2012, 37, 2253-2266.	2.8	29
34	Akt-Dependent and Isoform-Specific Regulation of Dopamine Transporter Cell Surface Expression. ACS Chemical Neuroscience, 2010, 1, 476-481.	1.7	28
35	Rab11 Supports Amphetamine-Stimulated Norepinephrine Transporter Trafficking. Journal of Neuroscience, 2010, 30, 7863-7877.	1.7	27
36	A network of phosphatidylinositol (4,5)-bisphosphate (PIP2) binding sites on the dopamine transporter regulates amphetamine behavior in Drosophila Melanogaster. Molecular Psychiatry, 2021, 26, 4417-4430.	4.1	26

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37	Gamma-Tubulin Is Required for Bipolar Spindle Assembly and for Proper Kinetochore Microtubule Attachments during Prometaphase I in Drosophila Oocytes. PLoS Genetics, 2011, 7, e1002209.	1.5	24
38	Stoned B mediates sorting of integral synaptic vesicle proteins. Neuroscience, 2008, 153, 1048-1063.	1.1	19
39	Zn2+ reverses functional deficits in a de novo dopamine transporter variant associated with autism spectrum disorder. Molecular Autism, 2015, 6, 8.	2.6	19
40	Calmodulin- and protein phosphorylation-independent release of catecholamines from PC-12 cells. FEBS Letters, 1988, 229, 238-242.	1.3	18
41	Atypical dopamine efflux caused by 3,4-methylenedioxypyrovalerone (MDPV) via the human dopamine transporter. Journal of Chemical Neuroanatomy, 2017, 83-84, 69-74.	1.0	17
42	Neuronal ablation of p-Akt at Ser473 leads to altered 5-HT1A/2A receptor function. Neurochemistry International, 2014, 73, 113-121.	1.9	15
43	Psychomotor impairments and therapeutic implications revealed by a mutation associated with infantile Parkinsonism-Dystonia. ELife, 2021, 10, .	2.8	13
44	Identifying dominant-negative actions of a dopamine transporter variant in patients with parkinsonism and neuropsychiatric disease. JCI Insight, 2021, 6, .	2.3	11
45	Drosophila melanogaster: a novel animal model for the behavioral characterization of autism-associated mutations in the dopamine transporter gene. Molecular Psychiatry, 2013, 18, 1235-1235.	4.1	9
46	Techniques to Dissect Cellular and Subcellular Function in the Drosophila Nervous System. Methods in Cell Biology, 2003, 71, 195-265.	0.5	8
47	Sodiumâ€dependent vitamin C transporterâ€2 mediates vitamin C transport at the cortical nerve terminal. Journal of Neuroscience Research, 2015, 93, 1881-1890.	1.3	5
48	Autism-Associated Variant in the SLC6A3 Gene Alters the Oral Microbiome and Metabolism in a Murine Model. Frontiers in Psychiatry, 2021, 12, 655451.	1.3	4
49	Neurotransmitter Modulation of Calcium Currents in Rat Sensory Neurons. , 1988, , 263-273.		2
50	Amphetamine actions rely on the availability of phosphatidylinositol-4,5-bisphosphate. BMC Pharmacology, 2011, 11, .	0.4	0
51	Amphetamine Actions Rely on the Availability of Phosphatidylinositol-4,5-Bisphosphate. Biophysical Journal, 2012, 102, 19a.	0.2	0
52	Phosphatidylinositol (4,5)â€bisphosphate regulates psychostimulant behaviors through its interaction with the dopamine transporter (803.2). FASEB Journal, 2014, 28, 803.2.	0.2	0
53	Phosphatidylinositol (4, 5)â€bisphosphate coordinates functional interactions in the dopamine transporter to promote amphetamine behaviors. FASEB Journal, 2018, 32, 541.11.	0.2	0
54	A rare, autismâ€associated inâ€frame deletion in the dopamine transporter exhibits profound functional deficits. FASEB Journal, 2018, 32, 680.5.	0.2	0