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	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
2	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
3	Psychomotor impairments and therapeutic implications revealed by a mutation associated with infantile Parkinsonism-Dystonia. ELife, 2021, 10, .	2.8	13
4	Identifying dominant-negative actions of a dopamine transporter variant in patients with parkinsonism and neuropsychiatric disease. JCI Insight, 2021, 6, .	2.3	11
5	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
6	Autism-linked dopamine transporter mutation alters striatal dopamine neurotransmission and dopamine-dependent behaviors. Journal of Clinical Investigation, 2019, 129, 3407-3419.	3.9	103
7	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
8	A rare, autismâ€associated inâ€frame deletion in the dopamine transporter exhibits profound functional deficits. FASEB Journal, 2018, 32, 680.5.	0.2	0
9	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
10	mTORC2/Rictor Signaling Disrupts Dopamine-Dependent Behaviors via Defects in Striatal Dopamine Neurotransmission. Journal of Neuroscience, 2015, 35, 8843-8854.	1.7	38
11	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
12	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
13	Zn2+ reverses functional deficits in a de novo dopamine transporter variant associated with autism spectrum disorder. Molecular Autism, 2015, 6, 8.	2.6	19
14	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
15	SLC6A3 coding variant Ala559Val found in two autism probands alters dopamine transporter function and trafficking. Translational Psychiatry, 2014, 4, e464-e464.	2.4	108
16	Neuronal ablation of p-Akt at Ser473 leads to altered 5-HT1A/2A receptor function. Neurochemistry International, 2014, 73, 113-121.	1.9	15
17	PIP2 regulates psychostimulant behaviors through its interaction with a membrane protein. Nature Chemical Biology, 2014, 10, 582-589.	3.9	109
18	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

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19	De novo mutation in the dopamine transporter gene associates dopamine dysfunction with autism spectrum disorder. Molecular Psychiatry, 2013, 18, 1315-1323.	4.1	181
20	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
21	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
22	Amphetamine Actions Rely on the Availability of Phosphatidylinositol-4,5-Bisphosphate. Biophysical Journal, 2012, 102, 19a.	0.2	0
23	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
24	Flotillin-1 is essential for PKC-triggered endocytosis and membrane microdomain localization of DAT. Nature Neuroscience, 2011, 14, 469-477.	7.1	177
25	Amphetamine actions rely on the availability of phosphatidylinositol-4,5-bisphosphate. BMC Pharmacology, 2011, 11, .	0.4	0
26	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
27	Impaired Striatal Akt Signaling Disrupts Dopamine Homeostasis and Increases Feeding. PLoS ONE, 2011, 6, e25169.	1.1	90
28	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
29	Rab11 Supports Amphetamine-Stimulated Norepinephrine Transporter Trafficking. Journal of Neuroscience, 2010, 30, 7863-7877.	1.7	27
30	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
31	Akt-Dependent and Isoform-Specific Regulation of Dopamine Transporter Cell Surface Expression. ACS Chemical Neuroscience, 2010, 1, 476-481.	1.7	28
32	Subcellular localization of the antidepressant-sensitive norepinephrine transporter. BMC Neuroscience, 2009, 10, 65.	0.8	35
33	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
34	cGMP-dependent protein kinase Iî± associates with the antidepressant-sensitive serotonin transporter and dictates rapid modulation of serotonin uptake. Molecular Brain, 2009, 2, 26.	1.3	43
35	Stoned B mediates sorting of integral synaptic vesicle proteins. Neuroscience, 2008, 153, 1048-1063.	1.1	19
36	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

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37	Ceramidase Regulates Synaptic Vesicle Exocytosis and Trafficking. Journal of Neuroscience, 2004, 24, 7789-7803.	1.7	102
38	Rolling blackout, a newly identified PIP2-DAG pathway lipase required for Drosophila phototransduction. Nature Neuroscience, 2004, 7, 1070-1078.	7.1	64
39	The Drosophila fragile X-related gene regulates axoneme differentiation during spermatogenesis. Developmental Biology, 2004, 270, 290-307.	0.9	66
40	Techniques to Dissect Cellular and Subcellular Function in the Drosophila Nervous System. Methods in Cell Biology, 2003, 71, 195-265.	0.5	8
41	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
42	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
43	Drosophila Fragile X-Related Gene Regulates the MAP1B Homolog Futsch to Control Synaptic Structure and Function. Cell, 2001, 107, 591-603.	13.5	602
44	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
45	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
46	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
47	Identification of Novel Drosophila Meiotic Genes Recovered in a P-Element Screen. Genetics, 1999, 152, 529-542.	1.2	88
48	Anastral meiotic spindle morphogenesis: role of the non-claret disjunctional kinesin-like protein.. Journal of Cell Biology, 1996, 134, 455-464.	2.3	254
49	Calmodulin- and protein phosphorylation-independent release of catecholamines from PC-12 cells. FEBS Letters, 1988, 229, 238-242.	1.3	18
50	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
51	Neurotransmitter Modulation of Calcium Currents in Rat Sensory Neurons. , 1988, , 263-273.		2
52	Down regulation of protein kinase C in neuronal cells: effects on neurotransmitter release. Journal of Neuroscience, 1987, 7, 1198-1206.	1.7	208
53	Cholesterol oxidase susceptibility of the red cell membrane. Biochimica Et Biophysica Acta - Biomembranes, 1984, 769, 551-562.	1.4	61
54	Transfer of cholesterol from its site of synthesis to the plasma membrane. Journal of Biological Chemistry, 1984, 259, 14624-30.	1.6	64