Heike Blockus

List of Publications by Year
in descending order

21 papers	930 citations	687363 13 h-index	752698 20 g-index
42 all docs	42 docs citations	42 times ranked	1672 citing authors

#	Article	IF	Citations
1	Slit-Robo signaling. Development (Cambridge), 2016, 143, 3037-3044.	2.5	259
2	Signaling Switch of the Axon Guidance Receptor Robo3 during Vertebrate Evolution. Neuron, 2014, 84, 1258-1272.	8.1	147
3	Whole-Neuron Synaptic Mapping Reveals Spatially Precise Excitatory/Inhibitory Balance Limiting Dendritic and Somatic Spiking. Neuron, 2020, 106, 566-578.e8.	8.1	94
4	The multifaceted roles of Slits and Robos in cortical circuits: from proliferation to axon guidance and neurological diseases. Current Opinion in Neurobiology, 2014, 27, 82-88.	4.2	65
5	Local circuit amplification of spatial selectivity in the hippocampus. Nature, 2022, 601, 105-109.	27.8	60
6	Activity-Dependent Nucleation of Dynamic Microtubules at Presynaptic Boutons Controls Neurotransmission. Current Biology, 2019, 29, 4231-4240.e5.	3.9	43
7	Compartment-specific tuning of dendritic feature selectivity by intracellular Ca ²⁺ release. Science, 2022, 375, eabm1670.	12.6	41
8	Local feedback inhibition tightly controls rapid formation of hippocampal place fields. Neuron, 2022, 110, 783-794.e6.	8.1	36
9	Targeting Multifunctional Proteins by Virtual Screening: Structurally Diverse Cytohesin Inhibitors with Differentiated Biological Functions. ACS Chemical Biology, 2010, 5, 839-849.	3.4	34
10	A Homogeneous Fluorescence Resonance Energy Transfer System for Monitoring the Activation of a Protein Switch in Real Time. Journal of the American Chemical Society, 2011, 133, 8372-8379.	13.7	28
11	Conformational Dynamics of the Focal Adhesion Targeting Domain Control Specific Functions of Focal Adhesion Kinase in Cells. Journal of Biological Chemistry, 2015, 290, 478-491.	3.4	27
12	Inhibition of the NOTCH pathway using Î³-secretase inhibitor RO4929097 has limited antitumor activity in established glial tumors. Anti-Cancer Drugs, 2015, 26, 272-283.	1.4	26
13	Reorganization of CA1 dendritic dynamics by hippocampal sharp-wave ripples during learning. Neuron, 2022, 110, 977-991.e4.	8.1	20
14	Synaptogenic activity of the axon guidance molecule Robo2 underlies hippocampal circuit function. Cell Reports, 2021, 37, 109828.	6.4	18
15	Commissural neurons transgress the CNS/PNS boundary in absence of ventricular zone-derived netrin-1. Development (Cambridge), 2018, 145, .	2.5	13
16	Developmental mechanisms underlying circuit wiring: Novel insights and challenges ahead. Current Opinion in Neurobiology, 2021, 66, 205-211.	4.2	5
17	Dystroglycan Adds More Sugars to the Midline Cocktail. Neuron, 2012, 76, 864-867.	8.1	2
18	Everolimus for astrocytomas in tuberous sclerosis complex. Lancet, The, 2013, 381, 95-96.	13.7	2

#	Article	IF	Citations
19	Fly Dscams Can Also Help You Find the Right Partners. Neuron, 2016, 89, 423-425.	8.1	1
20	Circuit Wiring: Neurite Speed Dating versus Stable Synaptic Matchmaking. Developmental Cell, 2018, 45, 423-424.	7.0	1
21	Inhibitory Feedback Circuit Control of Behavioral Timescale Synaptic Plasticity in Hippocampal Pyramidal Neurons. Biological Psychiatry, 2021, 89, S210-S211.	1.3	0