

Richard D Fetter

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

5,631
citations

186265
28
h-index

254184
43
g-index

60
all docs

60
docs citations

60
times ranked

5043
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Connectomics Reveals How Partner Identity, Location, and Activity Specify Synaptic Connectivity in <i>Drosophila</i> . <i>Neuron</i> , 2021, 109, 105-122.e7.	8.1	36
2	SVIP is a molecular determinant of lysosomal dynamic stability, neurodegeneration and lifespan. <i>Nature Communications</i> , 2021, 12, 513.	12.8	30
3	Elimination of nurse cell nuclei that shuttle into oocytes during oogenesis. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	4
4	Regulation of coordinated muscular relaxation in <i>Drosophila</i> larvae by a pattern-regulating intersegmental circuit. <i>Nature Communications</i> , 2021, 12, 2943.	12.8	10
5	Unveiling the sensory and interneuronal pathways of the neuroendocrine connectome in <i>Drosophila</i> . <i>ELife</i> , 2021, 10, .	6.0	25
6	The cAMP effector PKA mediates Moody GPCR signaling in <i>Drosophila</i> bloodâ€“brain barrier formation and maturation. <i>ELife</i> , 2021, 10, .	6.0	11
7	Inherited apicobasal polarity defines the key features of axon-dendrite polarity in a sensory neuron. <i>Current Biology</i> , 2021, 31, 3768-3783.e3.	3.9	7
8	Circuits for integrating learned and innate valences in the insect brain. <i>ELife</i> , 2021, 10, .	6.0	29
9	Assembly of synaptic active zones requires phase separation of scaffold molecules. <i>Nature</i> , 2020, 588, 454-458.	27.8	91
10	Presynaptic Homeostasis Opposes Disease Progression in Mouse Models of ALS-Like Degeneration: Evidence for Homeostatic Neuroprotection. <i>Neuron</i> , 2020, 107, 95-111.e6.	8.1	43
11	Recurrent architecture for adaptive regulation of learning in the insect brain. <i>Nature Neuroscience</i> , 2020, 23, 544-555.	14.8	108
12	Growth cone-localized microtubule organizing center establishes microtubule orientation in dendrites. <i>ELife</i> , 2020, 9, .	6.0	41
13	Regulation of forward and backward locomotion through intersegmental feedback circuits in <i>Drosophila</i> larvae. <i>Nature Communications</i> , 2019, 10, 2654.	12.8	42
14	Single excitatory axons form clustered synapses onto CA1 pyramidal cell dendrites. <i>Nature Neuroscience</i> , 2018, 21, 353-363.	14.8	103
15	Molecular Interface of Neuronal Innate Immunity, Synaptic Vesicle Stabilization, and Presynaptic Homeostatic Plasticity. <i>Neuron</i> , 2018, 100, 1163-1179.e4.	8.1	27
16	A postsynaptic PI3K- cII dependent signaling controller for presynaptic homeostatic plasticity. <i>ELife</i> , 2018, 7, .	6.0	21
17	A Complete Electron Microscopy Volume of the Brain of Adult <i>Drosophila melanogaster</i> . <i>Cell</i> , 2018, 174, 730-743.e22.	28.9	731
18	MDN brain descending neurons coordinately activate backward and inhibit forward locomotion. <i>ELife</i> , 2018, 7, .	6.0	68

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19	Convergence of monosynaptic and polysynaptic sensory paths onto common motor outputs in a <i>Drosophila</i> feeding connectome. <i>ELife</i> , 2018, 7, .	6.0	54
20	Retrograde semaphorin-plexin signalling drives homeostatic synaptic plasticity. <i>Nature</i> , 2017, 550, 109-113.	27.8	91
21	The complete connectome of a learning and memory centre in an insect brain. <i>Nature</i> , 2017, 548, 175-182.	27.8	424
22	Conserved neural circuit structure across <i>Drosophila</i> larval development revealed by comparative connectomics. <i>ELife</i> , 2017, 6, .	6.0	87
23	MCTP is an ER-resident calcium sensor that stabilizes synaptic transmission and homeostatic plasticity. <i>ELife</i> , 2017, 6, .	6.0	42
24	Organization of the <i>Drosophila</i> larval visual circuit. <i>ELife</i> , 2017, 6, .	6.0	59
25	A circuit mechanism for the propagation of waves of muscle contraction in <i>Drosophila</i> . <i>ELife</i> , 2016, 5, .	6.0	138
26	Selective Inhibition Mediates the Sequential Recruitment of Motor Pools. <i>Neuron</i> , 2016, 91, 615-628.	8.1	78
27	Microtubule Organization Determines Axonal Transport Dynamics. <i>Neuron</i> , 2016, 92, 449-460.	8.1	116
28	Structured Dendritic Inhibition Supports Branch-Selective Integration in CA1 Pyramidal Cells. <i>Neuron</i> , 2016, 89, 1016-1030.	8.1	130
29	Quantitative neuroanatomy for connectomics in <i>Drosophila</i> . <i>ELife</i> , 2016, 5, .	6.0	256
30	Synaptic transmission parallels neuromodulation in a central food-intake circuit. <i>ELife</i> , 2016, 5, .	6.0	111
31	Ultrastructurally smooth thick partitioning and volume stitching for large-scale connectomics. <i>Nature Methods</i> , 2015, 12, 319-322.	19.0	119
32	A multilevel multimodal circuit enhances action selection in <i>Drosophila</i> . <i>Nature</i> , 2015, 520, 633-639.	27.8	410
33	Even-Skipped+ Interneurons Are Core Components of a Sensorimotor Circuit that Maintains Left-Right Symmetric Muscle Contraction Amplitude. <i>Neuron</i> , 2015, 88, 314-329.	8.1	110
34	A genetically specified connectomics approach applied to long-range feeding regulatory circuits. <i>Nature Neuroscience</i> , 2014, 17, 1830-1839.	14.8	74
35	A visual motion detection circuit suggested by <i>Drosophila</i> connectomics. <i>Nature</i> , 2013, 500, 175-181.	27.8	631
36	Elastic volume reconstruction from series of ultra-thin microscopy sections. <i>Nature Methods</i> , 2012, 9, 717-720.	19.0	265

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37	Presynaptic Spectrin Is Essential for Synapse Stabilization. <i>Current Biology</i> , 2005, 15, 918-928.	3.9	151
38	Synaptic Specificity Is Generated by the Synaptic Guidepost Protein SYG-2 and Its Receptor, SYG-1. <i>Cell</i> , 2004, 116, 869-881.	28.9	277
39	Dynactin Is Necessary for Synapse Stabilization. <i>Neuron</i> , 2002, 34, 729-741.	8.1	227
40	Presynaptic target of Ca ²⁺ action on neuropeptide and acetylcholine release in <i>Aplysia californica</i> . <i>Journal of Physiology</i> , 2001, 535, 647-662.	2.9	27
41	Short-Range and Long-Range Guidance by Slit and Its Robo Receptors. <i>Cell</i> , 2000, 103, 1019-1032.	28.9	282