Eve Marder

List of Publications by Year
in descending order

261 papers	20,430 citations	15001 68 h-index	16186 128 g-index
326 all docs	326 docs citations	326 times ranked	10852 citing authors

#	Article	IF	Citations
1	Authorship then and now. ELife, 2022, 11, .	2.8	2
2	Reciprocally inhibitory circuits operating with distinct mechanisms are differently robust to perturbation and modulation. ELife, 2022, 11, .	2.8	7
3	Blue light responses in Cancer borealis stomatogastric ganglion neurons. Current Biology, 2022, 32, 1439-1445.e3.	1.8	3
4	Lost knowledge. Current Biology, 2022, 32, R144-R145.	1.8	1
5	Reply to Kotler etÂal.: Changing ion concentrations in conductance-based models. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2121944119.	3.3	1
6	Mapping circuit dynamics during function and dysfunction. ELife, 2022, 11, .	2.8	10
7	Neuromodulation in Small Networks. , 2022, , 2300-2313.		1
8	Coupling between fast and slow oscillator circuits in Cancer borealis is temperature-compensated. ELife, 2021, 10, .	2.8	21
9	Charismatic and Visionary Leaders. ENeuro, 2021, 8, ENEURO.0125-21.2021.	0.9	2
10	Truth even unto its innermost parts. ELife, 2021, 10, .	2.8	0
11	Neuronal oscillator robustness to multiple global perturbations. Biophysical Journal, 2021, 120, 1454-1468.	0.2	21
12	Ion Channel Degeneracy, Variability, and Covariation in Neuron and Circuit Resilience. Annual Review of Neuroscience, 2021, 44, 335-357.	5.0	98
13	Interactions among diameter, myelination, and the Na/K pump affect axonal resilience to high-frequency spiking. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	16
14	Perturbation-specific responses by two neural circuits generating similar activity patterns. Current Biology, 2021, 31, 4831-4838.e4.	1.8	15
15	From the Neuroscience of Individual Variability to Climate Change. Journal of Neuroscience, 2021, 41, 10213-10221.	1.7	18
16	Activity-dependent compensation of cell size is vulnerable to targeted deletion of ion channels. Scientific Reports, 2020, 10, 15989.	1.6	14
17	Acknowledging female voices. Nature Neuroscience, 2020, 23, 904-905.	7.1	8
18	Dynamic clamp constructed phase diagram for the Hodgkin and Huxley model of excitability. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 3575-3582.	3.3	11

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19	Rapid adaptation to elevated extracellular potassium in the pyloric circuit of the crab, Cancer borealis. Journal of Neurophysiology, 2020, 123, 2075-2089.	0.9	15
20	Words without meaning. ELife, 2020, 9, .	2.8	7
21	Temperature compensation in a small rhythmic circuit. ELife, 2020, 9, .	2.8	38
22	Intentional text. ELife, 2020, 9, .	2.8	2
23	Theoretical musings. ELife, 2020, 9, .	2.8	4
24	Stepping down. ELife, 2020, 9, .	2.8	0
25	In vivo effects of temperature on the heart and pyloric rhythms in the crab, Cancer borealis. Journal of Experimental Biology, 2019, 222, .	0.8	24
26	Molecular profiling of single neurons of known identity in two ganglia from the crab Cancer borealis. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 26980-26990.	3.3	26
27	Innexin expression in electrically coupled motor circuits. Neuroscience Letters, 2019, 695, 19-24.	1.0	8
28	Neuronal morphologies built for reliable physiology in a rhythmic motor circuit. ELife, 2019, 8, .	2.8	20
29	Visualization of currents in neural models with similar behavior and different conductance densities. ELife, 2019, 8, .	2.8	87
30	Love writing. ELife, 2019, 8, .	2.8	0
31	Watching jellyfish. ELife, 2019, 8, .	2.8	0
32	Xolotl: An Intuitive and Approachable Neuron and Network Simulator for Research and Teaching. Frontiers in Neuroinformatics, 2018, 12, 87.	1.3	10
33	Circuit Robustness to Temperature Perturbation Is Altered by Neuromodulators. Neuron, 2018, 100, 609-623.e3.	3.8	69
34	Graded Transmission without Action Potentials Sustains Rhythmic Activity in Some But Not All Modulators That Activate the Same Current. Journal of Neuroscience, 2018, 38, 8976-8988.	1.7	13
35	The voice of evidence. ELife, 2018, 7, .	2.8	1
36	Cellular function given parametric variation in the Hodgkin and Huxley model of excitability. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E8211-E8218.	3.3	38

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37	Regulation of Eag by Ca²⁺/calmodulin controls presynaptic excitability inDrosophila. Journal of Neurophysiology, 2018, 119, 1665-1680.	0.9	17
38	Two central pattern generators from the crab, Cancer borealis, respond robustly and differentially to extreme extracellular pH. ELife, 2018, 7, .	2.8	33
39	Uniting the nations of science. ELife, 2018, 7, .	2.8	0
40	Complicating connectomes: Electrical coupling creates parallel pathways and degenerate circuit mechanisms. Developmental Neurobiology, 2017, 77, 597-609.	1.5	68
41	Functional consequences of neuropeptide and small-molecule co-transmission. Nature Reviews Neuroscience, 2017, 18, 389-403.	4.9	231
42	Not just Salk. Science, 2017, 357, 1105-1106.	6.0	4
43	The importance of remembering. ELife, 2017, 6, .	2.8	2
44	Sloppy morphological tuning in identified neurons of the crustacean stomatogastric ganglion. ELife, 2017, 6, .	2.8	37
45	When complex neuronal structures may not matter. ELife, 2017, 6, .	2.8	43
46	Beyond scoops to best practices. ELife, 2017, 6, .	2.8	7
47	Deep sequencing of transcriptomes from the nervous systems of two decapod crustaceans to characterize genes important for neural circuit function and modulation. BMC Genomics, 2016, 17, 868.	1.2	62
48	Editorial overview: Microcircuit evolution and computation 2016. Current Opinion in Neurobiology, 2016, 41, 188-190.	2.0	2
49	Temperature-Robust Neural Function from Activity-Dependent Ion Channel Regulation. Current Biology, 2016, 26, 2935-2941.	1.8	81
50	Computational implications of biophysical diversity and multiple timescales in neurons and synapses for circuit performance. Current Opinion in Neurobiology, 2016, 37, 44-52.	2.0	124
51	The rites of spring, Take 2. ELife, 2016, 5, .	2.8	0
52	Quantitative Reevaluation of the Effects of Short- and Long-Term Removal of Descending Modulatory Inputs on the Pyloric Rhythm of the Crab,Cancer borealis. ENeuro, 2015, 2, ENEURO.0058-14.2015.	0.9	30
53	Consequences of acute and long-term removal of neuromodulatory input on the episodic gastric rhythm of the crabCancer borealis. Journal of Neurophysiology, 2015, 114, 1677-1692.	0.9	20
54	Computational models in the age of large datasets. Current Opinion in Neurobiology, 2015, 32, 87-94.	2.0	71

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55	How can motor systems retain performance over a wide temperature range? Lessons from the crustacean stomatogastric nervous system. Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology, 2015, 201, 851-856.	0.7	33
56	Understanding Brains: Details, Intuition, and Big Data. PLoS Biology, 2015, 13, e1002147.	2.6	30
57	The BRAIN Initiative: developing technology to catalyse neuroscience discovery. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140164.	1.8	179
58	Ion channel degeneracy enables robust and tunable neuronal firing rates. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E5361-70.	3.3	118
59	Robust circuit rhythms in small circuits arise from variable circuit components and mechanisms. Current Opinion in Neurobiology, 2015, 31, 156-163.	2.0	153
60	The pleasure of publishing. ELife, 2015, 4, .	2.8	8
61	Bars and medals. ELife, 2015, 4, e05787.	2.8	2
62	Lost voices. ELife, 2015, 4, .	2.8	0
63	Owning your mistakes. ELife, 2015, 4, e11628.	2.8	1
64	Automatic parameter estimation of multicompartmental neuron models via minimization of trace error with control adjustment. Journal of Neurophysiology, 2014, 112, 2332-2348.	0.9	21
65	Many Parameter Sets in a Multicompartment Model Oscillator Are Robust to Temperature Perturbations. Journal of Neuroscience, 2014, 34, 4963-4975.	1.7	46
66	Electrical coupling and innexin expression in the stomatogastric ganglion of the crabCancer borealis. Journal of Neurophysiology, 2014, 112, 2946-2958.	0.9	42
67	Cell Types, Network Homeostasis, and Pathological Compensation from a Biologically Plausible Ion Channel Expression Model. Neuron, 2014, 82, 809-821.	3.8	261
68	Neuromodulation of Circuits with Variable Parameters: Single Neurons and Small Circuits Reveal Principles of State-Dependent and Robust Neuromodulation. Annual Review of Neuroscience, 2014, 37, 329-346.	5.0	263
69	Temperature-robust neural activity using feedback control of ion channel expression. BMC Neuroscience, 2014, 15, .	0.8	0
70	Mapping Neural Activation onto Behavior in an Entire Animal. Science, 2014, 344, 372-373.	6.0	27
71	Phase maintenance in a rhythmic motor pattern during temperature changes in vivo. Journal of Neurophysiology, 2014, 111, 2603-2613.	0.9	60
72	Modulation of a Single Neuron Has State-Dependent Actions on Circuit Dynamics. ENeuro, 2014, 1, ENEURO.0009-14.2014.	0.9	33

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73	Animal-to-Animal Variability in Neuromodulation and Circuit Function. Cold Spring Harbor Symposia on Quantitative Biology, 2014, 79, 21-28.	2.0	54
74	In numbers we trust?. ELife, 2014, 3, e02791.	2.8	1
75	Looking out for future scientists. ELife, 2014, 3, e04901.	2.8	5
76	Rectifying Electrical Synapses Can Affect the Influence of Synaptic Modulation on Output Pattern Robustness. Journal of Neuroscience, 2013, 33, 13238-13248.	1.7	42
77	How conductance distributions are shaped by activity-dependent regulation rules. BMC Neuroscience, 2013, 14, .	0.8	0
78	SnapShot: Neuromodulation. Cell, 2013, 155, 482-482.e1.	13.5	40
79	From the connectome to brain function. Nature Methods, 2013, 10, 483-490.	9.0	451
80	Vertebrate versus invertebrate neural circuits. Current Biology, 2013, 23, R504-R506.	1.8	9
81	Multiple Mechanisms Switch an Electrically Coupled, Synaptically Inhibited Neuron between Competing Rhythmic Oscillators. Neuron, 2013, 77, 845-858.	3.8	168
82	The Effects of Temperature on the Stability of a Neuronal Oscillator. PLoS Computational Biology, 2013, 9, e1002857.	1.5	75
83	Plasticity in the Neurotransmitter Repertoire. Science, 2013, 340, 436-437.	6.0	16
84	Successful Reconstruction of a Physiological Circuit with Known Connectivity from Spiking Activity Alone. PLoS Computational Biology, 2013, 9, e1003138.	1.5	65
85	The Neuromuscular Transform of the Lobster Cardiac System Explains the Opposing Effects of a Neuromodulator on Muscle Output. Journal of Neuroscience, 2013, 33, 16565-16575.	1.7	30
86	Correlations in ion channel expression emerge from homeostatic tuning rules. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2645-54.	3.3	173
87	Animal-to-animal variability in the phasing of the crustacean cardiac motor pattern: an experimental and computational analysis. Journal of Neurophysiology, 2013, 109, 2451-2465.	0.9	16
88	Neuropilar Projections of the Anterior Gastric Receptor Neuron in the Stomatogastric Ganglion of the Jonah Crab, Cancer Borealis. PLoS ONE, 2013, 8, e79306.	1.1	15
89	Luck, jobs and learning. ELife, 2013, 2, e00676.	2.8	1
90	The haves and the have nots. ELife, 2013, 2, e01515.	2.8	19

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91	Crossing oceans. ELife, 2013, 2, e00477.	2.8	1
92	Neuromodulation in Small Networks. , 2013, , 1-15.		0
93	Grandmother elephants. ELife, 2013, 2, e01140.	2.8	0
94	Robustness of a Rhythmic Circuit to Short- and Long-Term Temperature Changes. Journal of Neuroscience, 2012, 32, 10075-10085.	1.7	113
95	Neuromodulation of Neuronal Circuits: Back to the Future. Neuron, 2012, 76, 1-11.	3.8	789
96	Common features of diverse circuits. Current Opinion in Neurobiology, 2012, 22, 565-567.	2.0	5
97	Increase in Sodium Conductance Decreases Firing Rate and Gain in Model Neurons. Journal of Neuroscience, 2012, 32, 10995-11004.	1.7	40
98	Statistics of Neuronal Identification with Open- and Closed-Loop Measures of Intrinsic Excitability. Frontiers in Neural Circuits, 2012, 6, 19.	1.4	9
99	A good life. ELife, 2012, 1, e00353.	2.8	0
100	Multiple models to capture the variability in biological neurons and networks. Nature Neuroscience, 2011, 14, 133-138.	7.1	407
101	Functional connectivity in a rhythmic inhibitory circuit using Granger causality. Neural Systems & Circuits, 2011, 1, 9.	1.8	32
102	Distribution and physiological effects of Bâ€type allatostatins (myoinhibitory peptides, MIPs) in the stomatogastric nervous system of the crab Cancer borealis. Journal of Comparative Neurology, 2011, 519, 2658-2676.	0.9	39
103	Variability, compensation, and modulation in neurons and circuits. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15542-15548.	3.3	327
104	Why so long?. Current Biology, 2010, 20, R426.	1.8	0
105	Slow and Persistent Postinhibitory Rebound Acts as an Intrinsic Short-Term Memory Mechanism. Journal of Neuroscience, 2010, 30, 4687-4692.	1.7	45
106	Impacting our young. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 21233-21233.	3.3	17
107	Compensation for Variable Intrinsic Neuronal Excitability by Circuit-Synaptic Interactions. Journal of Neuroscience, 2010, 30, 9145-9156.	1.7	104
108	Precise Temperature Compensation of Phase in a Rhythmic Motor Pattern. PLoS Biology, 2010, 8, e1000469.	2.6	125

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109	Coordinating Different Homeostatic Processes. Neuron, 2010, 66, 161-163.	3.8	17
110	Reliable neuromodulation from circuits with variable underlying structure. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11742-11746.	3.3	81
111	How Multiple Conductances Determine Electrophysiological Properties in a Multicompartment Model. Journal of Neuroscience, 2009, 29, 5573-5586.	1.7	182
112	Electrical Synapses: Rectification Demystified. Current Biology, 2009, 19, R34-R35.	1.8	21
113	Functional consequences of animal-to-animal variation in circuit parameters. Nature Neuroscience, 2009, 12, 1424-1430.	7.1	252
114	Mass spectrometric characterization and physiological actions of novel crustacean C-type allatostatins. Peptides, 2009, 30, 1660-1668.	1.2	65
115	Correlations in Ion Channel mRNA in Rhythmically Active Neurons. PLoS ONE, 2009, 4, e6742.	1.1	96
116	Using the Dynamic Clamp to Explore the Relationship Between Intrinsic Activity and Network Dynamics. , 2009, , 275-285.		0
117	Mass spectral comparison of the neuropeptide complement of the stomatogastric ganglion and brain in the adult and embryonic lobster, Homarus americanus. Journal of Neurochemistry, 2008, 105, 690-702.	2.1	40
118	The roads not taken. Current Biology, 2008, 18, R725-R726.	1.8	1
119	Developmental Regulation of Neuromodulator Function in the Stomatogastric Ganglion of the Lobster,Homarus americanus. Journal of Neuroscience, 2008, 28, 9828-9839.	1.7	30
120	Spectral Analyses Reveal the Presence of Adult-Like Activity in the Embryonic Stomatogastric Motor Patterns of the Lobster,Homarus americanus. Journal of Neurophysiology, 2008, 99, 3104-3122.	0.9	12
121	How tightly tuned are network parameters? Insight from computational and experimental studies in small rhythmic motor networks. Progress in Brain Research, 2007, 165, 193-200.	0.9	28
122	Multiple modulators act on the cardiac ganglion of the crab,Cancer borealis. Journal of Experimental Biology, 2007, 210, 2873-2884.	0.8	67
123	TRIBUTES TO JEFF HALL. Journal of Neurogenetics, 2007, 21, 169-182.	0.6	0
124	Understanding Circuit Dynamics Using the Stomatogastric Nervous System of Lobsters and Crabs. Annual Review of Physiology, 2007, 69, 291-316.	5.6	591
125	Neuronal morphology and neuropil structure in the stomatogastric ganglion of the lobster,Homarus americanus. Journal of Comparative Neurology, 2007, 501, 185-205.	0.9	36
126	Mass spectrometric characterization and physiological actions of VPNDWAHFRGSWamide, a novel B type allatostatin in the crab, Cancer borealis. Journal of Neurochemistry, 2007, 101, 1099-1107.	2.1	60

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127	Eve Marder. Current Biology, 2007, 17, R5-R7.	1.8	2
128	Structure and Visualization of High-Dimensional Conductance Spaces. Journal of Neurophysiology, 2006, 96, 891-905.	0.9	100
129	Dynamic Clamp Analyses of Cardiac, Endocrine, and Neural Function. Physiology, 2006, 21, 197-207.	1.6	55
130	Central Pattern Generating Neurons Simultaneously Express Fast and Slow Rhythmic Activities in the Stomatogastric Ganglion. Journal of Neurophysiology, 2006, 95, 3617-3632.	0.9	60
131	Mass spectrometric characterization and physiological actions of GAHKNYLRFamide, a novel FMRFamide-like peptide from crabs of the genus Cancer. Journal of Neurochemistry, 2006, 97, 784-799.	2.1	38
132	Extending influence. Nature, 2006, 441, 702-703.	13.7	23
133	Variable channel expression in identified single and electrically coupled neurons in different animals. Nature Neuroscience, 2006, 9, 356-362.	7.1	410
134	Variability, compensation and homeostasis in neuron and network function. Nature Reviews Neuroscience, 2006, 7, 563-574.	4.9	1,048
135	Motor systems. Current Opinion in Neurobiology, 2006, 16, 601-603.	2.0	1
136	Rejecting arrogance. Current Biology, 2006, 16, R70.	1.8	1
137	Red Pigment Concentrating Hormone Strongly Enhances the Strength of the Feedback to the Pyloric Rhythm Oscillator But Has Little Effect on Pyloric Rhythm Period. Journal of Neurophysiology, 2006, 95, 1762-1770.	0.9	67
138	Neuromodulation of Spike-Timing Precision in Sensory Neurons. Journal of Neuroscience, 2006, 26, 5910-5919.	1.7	55
139	Lecturers. Les Houches Summer School Proceedings, 2005, 80, ix.	0.2	0
140	Course 1 Experimenting with theory. Les Houches Summer School Proceedings, 2005, 80, 1-16.	0.2	0
141	Profiling of neuropeptides released at the stomatogastric ganglion of the crab, Cancer borealis with mass spectrometry. Journal of Neurochemistry, 2005, 95, 191-199.	2.1	24
142	Development of central pattern generating circuits. Current Opinion in Neurobiology, 2005, 15, 86-93.	2.0	86
143	Invertebrate Central Pattern Generation Moves along. Current Biology, 2005, 15, R685-R699.	1.8	263
144	Constant amplitude of postsynaptic responses for single presynaptic action potentials but not bursting input during growth of an identified neuromuscular junction in the lobster,Homarus americanus. Journal of Neurobiology, 2005, 62, 47-61.	3.7	16

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145	Honoring Our Past. Journal of Neurophysiology, 2005, 93, 3023-3023.	0.9	0
146	Computational Model of Electrically Coupled, Intrinsically Distinct Pacemaker Neurons. Journal of Neurophysiology, 2005, 94, 590-604.	0.9	91
147	Animal-to-Animal Variability in Motor Pattern Production in Adults and during Growth. Journal of Neuroscience, 2005, 25, 1611-1619.	1.7	171
148	The Neuron Doctrine, Redux. Science, 2005, 310, 791-793.	6.0	160
149	Welcome Theory. Journal of Neurophysiology, 2004, 91, 2389-2389.	0.9	0
150	Octopamine Modulates the Axons of Modulatory Projection Neurons. Journal of Neuroscience, 2004, 24, 7063-7073.	1.7	39
151	Nitric Oxide Inhibits the Rate and Strength of Cardiac Contractions in the Lobster Homarus americanus by Acting on the Cardiac Ganglion. Journal of Neuroscience, 2004, 24, 2813-2824.	1.7	43
152	Similar network activity from disparate circuit parameters. Nature Neuroscience, 2004, 7, 1345-1352.	7.1	914
153	Plasticity in single neuron and circuit computations. Nature, 2004, 431, 789-795.	13.7	239
154	Actions of a histaminergic/peptidergic projection neuron on rhythmic motor patterns in the stomatogastric nervous system of the crabCancer borealis. Journal of Comparative Neurology, 2004, 469, 153-169.	0.9	60
155	The dynamic clamp comes of age. Trends in Neurosciences, 2004, 27, 218-224.	4.2	260
156	The emperor's new clothes. Current Biology, 2003, 13, R166.	1.8	3
157	Dopamine and histamine in the developing stomatogastric system of the lobsterHomarus americanus. Journal of Comparative Neurology, 2003, 462, 400-414.	0.9	40
158	Serotonin in the developing stomatogastric system of the lobster,Homarus americanus. Journal of Neurobiology, 2003, 54, 380-392.	3.7	36
159	Mass spectrometric investigation of the neuropeptide complement and release in the pericardial organs of the crab, Cancer borealis. Journal of Neurochemistry, 2003, 87, 642-656.	2.1	130
160	Plateau properties in pain pathways. Nature Neuroscience, 2003, 6, 210-212.	7.1	2
161	Exciting guts with GABA. Nature Neuroscience, 2003, 6, 1121-1122.	7.1	5
162	Alternative to Hand-Tuning Conductance-Based Models: Construction and Analysis of Databases of Model Neurons. Journal of Neurophysiology, 2003, 90, 3998-4015.	0.9	347

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163	Current Compensation in Neuronal Homeostasis. Neuron, 2003, 37, 2-4.	3.8	63
164	Episodic Bouts of Activity Accompany Recovery of Rhythmic Output By a Neuromodulator- and Activity-Deprived Adult Neural Network. Journal of Neurophysiology, 2003, 90, 2720-2730.	0.9	56
165	The Functional Consequences of Changes in the Strength and Duration of Synaptic Inputs to Oscillatory Neurons. Journal of Neuroscience, 2003, 23, 943-954.	1.7	117
166	Axonal Dopamine Receptors Activate Peripheral Spike Initiation in a Stomatogastric Motor Neuron. Journal of Neuroscience, 2003, 23, 6866-6875.	1.7	54
167	Differential and History-Dependent Modulation of a Stretch Receptor in the Stomatogastric System of the Crab, Cancer borealis. Journal of Neurophysiology, 2003, 90, 3608-3616.	0.9	30
168	Faster Than Ever: Articles in PresS. Journal of Neurophysiology, 2003, 89, 1-1.	0.9	3
169	New Initiatives. Journal of Neurophysiology, 2003, 89, 645-645.	0.9	1
170	KEEPING THE RECORD STRAIGHTâ€"The Legacy Project and Letters to the Editor. Journal of Neurophysiology, 2003, 90, 2087-2087.	0.9	0
171	Convergence and Divergence of Cotransmitter Systems in the Crab Stomatogastric Nervous System. , 2002, , 20-33.		4
172	Change Without Change. Journal of Neurophysiology, 2002, 88, 2177-2177.	0.9	0
173	Failure of Averaging in the Construction of a Conductance-Based Neuron Model. Journal of Neurophysiology, 2002, 87, 1129-1131.	0.9	275
174	Colocalized Neuropeptides Activate a Central Pattern Generator by Acting on Different Circuit Targets. Journal of Neuroscience, 2002, 22, 1874-1882.	1.7	66
175	Foundations for the Future. Journal of Neurophysiology, 2002, 88, 1-1.	0.9	20
176	Modeling stability in neuron and network function: the role of activity in homeostasis. BioEssays, 2002, 24, 1145-1154.	1.2	199
177	Orcokinin peptides in developing and adult crustacean stomatogastric nervous systems and pericardial organs. Journal of Comparative Neurology, 2002, 444, 227-244.	0.9	95
178	Neuromodulatory complement of the pericardial organs in the embryonic lobster,homarus americanus. Journal of Comparative Neurology, 2002, 451, 79-90.	0.9	51
179	Senseless motion. Nature, 2002, 416, 131-132.	13.7	9
180	Non-mammalian models for studying neural development and function. Nature, 2002, 417, 318-321.	13.7	38

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181	Cellular, synaptic and network effects of neuromodulation. Neural Networks, 2002, 15, 479-493.	3.3	258
182	Global Structure, Robustness, and Modulation of Neuronal Models. Journal of Neuroscience, 2001, 21, 5229-5238.	1.7	341
183	GABA Enhances Transmission at an Excitatory Glutamatergic Synapse. Journal of Neuroscience, 2001, 21, 5935-5943.	1.7	20
184	Modulators with Convergent Cellular Actions Elicit Distinct Circuit Outputs. Journal of Neuroscience, 2001, 21, 4050-4058.	1.7	120
185	Activity-dependent modification of inhibitory synapses in models of rhythmic neural networks. Nature Neuroscience, 2001, 4, 297-303.	7.1	79
186	Moving rhythms. Nature, 2001, 410, 755-755.	13.7	25
187	Central pattern generators and the control of rhythmic movements. Current Biology, 2001, 11, R986-R996.	1.8	917
188	The actions of crustacean cardioactive peptide on adult and developing stomatogastric ganglion motor patterns. Journal of Neurobiology, 2000, 44, 31-44.	3.7	35
189	Models identify hidden assumptions. Nature Neuroscience, 2000, 3, 1198-1198.	7.1	7
190	Motor pattern generation. Current Opinion in Neurobiology, 2000, 10, 691-698.	2.0	105
191	My word. Current Biology, 2000, 10, R613.	1.8	0
192	Bitter and twisted. Current Biology, 2000, 10, R1.	1.8	2
193	Multiple Peptides Converge to Activate the Same Voltage-Dependent Current in a Central Pattern-Generating Circuit. Journal of Neuroscience, 2000, 20, 6752-6759.	1.7	164
194	Maturation of Lobster Stomatogastric Ganglion Rhythmic Activity. Journal of Neurophysiology, 1999, 82, 2006-2009.	0.9	30
195	Network Oscillations Generated by Balancing Graded Asymmetric Reciprocal Inhibition in Passive Neurons. Journal of Neuroscience, 1999, 19, 2765-2779.	1.7	34
196	Different Proctolin Neurons Elicit Distinct Motor Patterns from a Multifunctional Neuronal Network. Journal of Neuroscience, 1999, 19, 5449-5463.	1.7	143
197	Encoding of Muscle Movement on Two Time Scales by a Sensory Neuron That Switches Between Spiking and Bursting Modes. Journal of Neurophysiology, 1999, 82, 2786-2797.	0.9	35
198	Activity-Dependent Regulation of Potassium Currents in an Identified Neuron of the Stomatogastric Ganglion of the CrabCancer borealis. Journal of Neuroscience, 1999, 19, RC33-RC33.	1.7	170

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199	Coordination of Fast and Slow Rhythmic Neuronal Circuits. Journal of Neuroscience, 1999, 19, 6650-6660.	1.7	147
200	Development of the peptidergic modulation of a rhythmic pattern generating network. Brain Research, 1999, 848, 35-44.	1.1	19
201	The rites of spring. Current Biology, 1999, 9, R311.	1.8	1
202	On ambiguity. Current Biology, 1999, 9, R541.	1.8	0
203	Neural signalling: Does colocalization imply cotransmission?. Current Biology, 1999, 9, R809-R811.	1.8	16
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