

Yukiko Goda

List of Publications by Year in descending order

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72
papers

9,482
citations

70961

41
h-index

85405

71
g-index

98
all docs

98
docs citations

98
times ranked

9618
citing authors

#	ARTICLE	IF	CITATIONS
1	Synaptotagmin I: A major Ca ²⁺ sensor for transmitter release at a central synapse. <i>Cell</i> , 1994, 79, 717-727.	13.5	1,377
2	Actin in action: the interplay between the actin cytoskeleton and synaptic efficacy. <i>Nature Reviews Neuroscience</i> , 2008, 9, 344-356.	4.9	685
3	Modified hippocampal long-term potentiation in PKC δ -mutant mice. <i>Cell</i> , 1993, 75, 1253-1262.	13.5	643
4	Two components of transmitter release at a central synapse.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 12942-12946.	3.3	470
5	Unraveling Mechanisms of Homeostatic Synaptic Plasticity. <i>Neuron</i> , 2010, 66, 337-351.	3.8	467
6	The small GTP-binding protein Rab3A regulates a late step in synaptic vesicle fusion. <i>Nature</i> , 1997, 387, 810-814.	13.7	399
7	THE ACTIN CYTOSKELETON: Integrating Form and Function at the Synapse. <i>Annual Review of Neuroscience</i> , 2005, 28, 25-55.	5.0	364
8	SV2A and SV2B Function as Redundant Ca ²⁺ Regulators in Neurotransmitter Release. <i>Neuron</i> , 1999, 24, 1003-1016.	3.8	324
9	Synaptophysin regulates activity-dependent synapse formation in cultured hippocampal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 1012-1016.	3.3	299
10	Actin-Dependent Regulation of Neurotransmitter Release at Central Synapses. <i>Neuron</i> , 2000, 27, 539-550.	3.8	268
11	Mechanisms of Synapse Assembly and Disassembly. <i>Neuron</i> , 2003, 40, 243-264.	3.8	262
12	Remodeling of Synaptic Actin Induced by Photoconductive Stimulation. <i>Cell</i> , 2001, 107, 605-616.	13.5	248
13	The role of AMPA receptors in postsynaptic mechanisms of synaptic plasticity. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 401.	1.8	243
14	Local Dendritic Activity Sets Release Probability at Hippocampal Synapses. <i>Neuron</i> , 2008, 59, 475-485.	3.8	215
15	Activity-Dependent Regulation of Synaptic AMPA Receptor Composition and Abundance by β 3 Integrins. <i>Neuron</i> , 2008, 58, 749-762.	3.8	197
16	Selective recycling of the mannose 6-phosphate/IGF-II receptor to the trans Golgi network in vitro. <i>Cell</i> , 1988, 55, 309-320.	13.5	187
17	Constitutive sharing of recycling synaptic vesicles between presynaptic boutons. <i>Nature Neuroscience</i> , 2006, 9, 315-321.	7.1	186
18	Properties of Synchronous and Asynchronous Release During Pulse Train Depression in Cultured Hippocampal Neurons. <i>Journal of Neurophysiology</i> , 2001, 85, 2324-2334.	0.9	136

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19	The interplay between Hebbian and homeostatic synaptic plasticity. <i>Journal of Cell Biology</i> , 2013, 203, 175-186.	2.3	136
20	Integrins in synapse regulation. <i>Nature Reviews Neuroscience</i> , 2016, 17, 745-756.	4.9	133
21	A Vesicle Superpool Spans Multiple Presynaptic Terminals in Hippocampal Neurons. <i>Neuron</i> , 2010, 66, 37-44.	3.8	131
22	Optogenetics: 10 years after ChR2 in neurons—views from the community. <i>Nature Neuroscience</i> , 2015, 18, 1202-1212.	7.1	122
23	Homeostatic synaptic plasticity: from single synapses to neural circuits. <i>Current Opinion in Neurobiology</i> , 2012, 22, 516-521.	2.0	112
24	beta-Catenin regulates excitatory postsynaptic strength at hippocampal synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 13479-13484.	3.3	108
25	The X-Linked Intellectual Disability Protein TSPAN7 Regulates Excitatory Synapse Development and AMPAR Trafficking. <i>Neuron</i> , 2012, 73, 1143-1158.	3.8	97
26	Cadherins Communicate Structural Plasticity of Presynaptic and Postsynaptic Terminals. <i>Neuron</i> , 2002, 35, 1-3.	3.8	93
27	Neurexin 1 is a Major α -Latrotoxin Receptor That Cooperates in α -Latrotoxin Action. <i>Journal of Biological Chemistry</i> , 1998, 273, 1705-1710.	1.6	92
28	Astrocytes regulate heterogeneity of presynaptic strengths in hippocampal networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2685-94.	3.3	88
29	Developmental excitation-inhibition imbalance underlying psychoses revealed by single-cell analyses of discordant twins-derived cerebral organoids. <i>Molecular Psychiatry</i> , 2020, 25, 2695-2711.	4.1	73
30	Differential control of presynaptic efficacy by postsynaptic N-cadherin and β -catenin. <i>Nature Neuroscience</i> , 2012, 15, 81-89.	7.1	71
31	Calcium regulation of neurotransmitter release: reliably unreliable?. <i>Current Opinion in Cell Biology</i> , 1997, 9, 513-518.	2.6	69
32	β 3 integrin interacts directly with GluA2 AMPA receptor subunit and regulates AMPA receptor expression in hippocampal neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1323-1328.	3.3	69
33	Long-Term Depression Properties in a Simple System. <i>Neuron</i> , 1996, 16, 103-111.	3.8	66
34	Readily releasable pool size changes associated with long term depression. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998, 95, 1283-1288.	3.3	62
35	Dendritic signalling and homeostatic adaptation. <i>Current Opinion in Neurobiology</i> , 2009, 19, 327-335.	2.0	61
36	Identification of a novel, N-ethylmaleimide-sensitive cytosolic factor required for vesicular transport from endosomes to the trans-Golgi network in vitro.. <i>Journal of Cell Biology</i> , 1991, 112, 823-831.	2.3	59

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37	A stabilising influence: Integrins in regulation of synaptic plasticity. <i>Neuroscience Research</i> , 2011, 70, 24-29.	1.0	57
38	Antibodies to clathrin inhibit endocytosis but not recycling to the trans Golgi network in vitro. <i>Science</i> , 1990, 248, 1539-1541.	6.0	54
39	Differential involvement of $\alpha 3$ integrin in pre- and postsynaptic forms of adaptation to chronic activity deprivation. <i>Neuron Glia Biology</i> , 2008, 4, 179-187.	2.0	53
40	Synaptic plasticity: The basis of particular types of learning. <i>Current Biology</i> , 1996, 6, 375-378.	1.8	48
41	Alternative Splicing of P/Q-Type Ca ²⁺ Channels Shapes Presynaptic Plasticity. <i>Cell Reports</i> , 2017, 20, 333-343.	2.9	46
42	Activity-dependent coordination of presynaptic release probability and postsynaptic GluR2 abundance at single synapses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 14656-14661.	3.3	45
43	An ultrastructural readout of fluorescence recovery after photobleaching using correlative light and electron microscopy. <i>Nature Protocols</i> , 2006, 1, 988-994.	5.5	41
44	GABARAPs dysfunction by autophagy deficiency in adolescent brain impairs GABA _A receptor trafficking and social behavior. <i>Science Advances</i> , 2019, 5, eaau8237.	4.7	41
45	Reflections on the past two decades of neuroscience. <i>Nature Reviews Neuroscience</i> , 2020, 21, 524-534.	4.9	35
46	Photoconductive stimulation of neurons cultured on silicon wafers. <i>Nature Protocols</i> , 2006, 1, 461-467.	5.5	34
47	Myosin Light Chain Kinase Is Not a Regulator of Synaptic Vesicle Trafficking during Repetitive Exocytosis in Cultured Hippocampal Neurons. <i>Journal of Neuroscience</i> , 2006, 26, 11606-11614.	1.7	31
48	Efficient modification of E. coli RNA polymerase in vitro by the gene transcription antitermination protein of bacteriophage lambda. <i>Nucleic Acids Research</i> , 1985, 13, 2569-2582.	6.5	29
49	Synaptotagmin in Ca ²⁺ -Dependent Exocytosis. <i>Neuron</i> , 2003, 38, 521-524.	3.8	28
50	My Neighbour Hetero " deconstructing the mechanisms underlying heterosynaptic plasticity. <i>Current Opinion in Neurobiology</i> , 2021, 67, 106-114.	2.0	28
51	Synaptic Adhesion: the Building Blocks of Memory?. <i>Neuron</i> , 1998, 20, 1059-1062.	3.8	27
52	Nomadic AMPA Receptors and LTP. <i>Neuron</i> , 1999, 23, 431-434.	3.8	27
53	$\alpha 3$ integrin is dispensable for conditioned fear and Hebbian forms of plasticity in the hippocampus. <i>European Journal of Neuroscience</i> , 2012, 36, 2461-2469.	1.2	25
54	Differential role of pre- and postsynaptic neurons in the activity-dependent control of synaptic strengths across dendrites. <i>PLoS Biology</i> , 2019, 17, e2006223.	2.6	24

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55	Pseudobase formation from 9-substituted 10-methylacridinium cations in aqueous solution. Canadian Journal of Chemistry, 1984, 62, 351-354.	0.6	23
56	Chapter 1 The gene knockout technology for the analysis of learning and memory, and neural development. Progress in Brain Research, 1995, 105, 3-14.	0.9	21
57	Heterosynaptic cross-talk of pre- and postsynaptic strengths along segments of dendrites. Cell Reports, 2021, 34, 108693.	2.9	20
58	Astrocyte-synapse interactions and cell adhesion molecules. FEBS Journal, 2023, 290, 3512-3526.	2.2	19
59	Tuning synapses by proteolytic remodeling of the adhesive surface. Current Opinion in Neurobiology, 2015, 35, 148-155.	2.0	18
60	Memory Mechanisms: A common cascade for long-term memory. Current Biology, 1995, 5, 136-138.	1.8	15
61	The Shaping of AMPA Receptor Surface Distribution by Neuronal Activity. Frontiers in Synaptic Neuroscience, 2022, 14, 833782.	1.3	15
62	Astrocyte GluN2C NMDA receptors control basal synaptic strengths of hippocampal CA1 pyramidal neurons in the stratum radiatum. ELife, 2021, 10, .	2.8	14
63	Long-Term Potentiation: In pursuit of a retrograde messenger. Current Biology, 1994, 4, 148-150.	1.8	9
64	Memory mechanisms: The nociceptin connection. Current Biology, 1998, 8, R889-R891.	1.8	9
65	Along memory lane. Nature, 2008, 456, 590-591.	13.7	7
66	Memory Mechanisms: Photographic memory in flies. Current Biology, 1995, 5, 852-853.	1.8	5
67	CA3 Mossy Fiber Connections: Giant Synapses that Gain Control. Neuron, 2013, 77, 4-6.	3.8	4
68	How Staying Negative Is Good for the (Adult) Brain: Maintaining Chloride Homeostasis and the GABA-Shift in Neurological Disorders. Frontiers in Molecular Neuroscience, 0, 15, .	1.4	4
69	[15] Transport from late endosomes to trans-golgi network in semiintact cell extracts. Methods in Enzymology, 1992, 219, 153-159.	0.4	2
70	Synaptic function and regulation. Current Opinion in Neurobiology, 2011, 21, 205-207.	2.0	2
71	Adhesion Molecules in Synapse Assembly and Function. , 2016, , 425-465.		1
72	Editorial overview: Molecular neuroscience. Current Opinion in Neurobiology, 2021, 69, iii-v.	2.0	0