

Deniz Atasoy

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

6,134
citations

236612

25
h-index

395343

33
g-index

35
all docs

35
docs citations

35
times ranked

8028
citing authors

#	ARTICLE	IF	CITATIONS
1	AGRP neurons are sufficient to orchestrate feeding behavior rapidly and without training. <i>Nature Neuroscience</i> , 2011, 14, 351-355.	7.1	926
2	Deconstruction of a neural circuit for hunger. <i>Nature</i> , 2012, 488, 172-177.	13.7	779
3	SynCAM, a Synaptic Adhesion Molecule That Drives Synapse Assembly. <i>Science</i> , 2002, 297, 1525-1531.	6.0	706
4	A FLEX Switch Targets Channelrhodopsin-2 to Multiple Cell Types for Imaging and Long-Range Circuit Mapping. <i>Journal of Neuroscience</i> , 2008, 28, 7025-7030.	1.7	591
5	Activity-Dependent Validation of Excitatory versus Inhibitory Synapses by Neuroligin-1 versus Neuroligin-2. <i>Neuron</i> , 2007, 54, 919-931.	3.8	511
6	Double-knockout mice for \hat{A} - and \hat{A} -synucleins: Effect on synaptic functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14966-14971.	3.3	392
7	Hunger States Switch a Flip-Flop Memory Circuit via a Synaptic AMPK-Dependent Positive Feedback Loop. <i>Cell</i> , 2011, 146, 992-1003.	13.5	369
8	Chemical and Genetic Engineering of Selective Ion Channel-Ligand Interactions. <i>Science</i> , 2011, 333, 1292-1296.	6.0	260
9	Deletion of CASK in mice is lethal and impairs synaptic function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2525-2530.	3.3	189
10	Selective Capability of SynCAM and Neuroligin for Functional Synapse Assembly. <i>Journal of Neuroscience</i> , 2005, 25, 260-270.	1.7	172
11	Spontaneous and Evoked Glutamate Release Activates Two Populations of NMDA Receptors with Limited Overlap. <i>Journal of Neuroscience</i> , 2008, 28, 10151-10166.	1.7	164
12	Neurexins Physically and Functionally Interact with GABAA Receptors. <i>Neuron</i> , 2010, 66, 403-416.	3.8	154
13	Automatic reconstruction of 3D neuron structures using a graph-augmented deformable model. <i>Bioinformatics</i> , 2010, 26, i38-i46.	1.8	100
14	Chemogenetic Tools for Causal Cellular and Neuronal Biology. <i>Physiological Reviews</i> , 2018, 98, 391-418.	13.1	97
15	Genetic Analysis of Mint/X11 Proteins: Essential Presynaptic Functions of a Neuronal Adaptor Protein Family. <i>Journal of Neuroscience</i> , 2006, 26, 13089-13101.	1.7	90
16	NTS Catecholamine Neurons Mediate Hypoglycemic Hunger via Medial Hypothalamic Feeding Pathways. <i>Cell Metabolism</i> , 2020, 31, 313-326.e5.	7.2	83
17	FGF21 Signals to Glutamatergic Neurons in the Ventromedial Hypothalamus to Suppress Carbohydrate Intake. <i>Cell Metabolism</i> , 2020, 32, 273-286.e6.	7.2	82
18	A genetically specified connectomics approach applied to long-range feeding regulatory circuits. <i>Nature Neuroscience</i> , 2014, 17, 1830-1839.	7.1	74

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19	Fast Synaptic Vesicle Reuse Slows the Rate of Synaptic Depression in the CA1 Region of Hippocampus. <i>Journal of Neuroscience</i> , 2007, 27, 341-354.	1.7	49
20	Agouti-Related Protein Neuron Circuits That Regulate Appetite. <i>Neuroendocrinology</i> , 2014, 100, 95-102.	1.2	49
21	Presynaptic store-operated Ca ²⁺ entry drives excitatory spontaneous neurotransmission and augments endoplasmic reticulum stress. <i>Neuron</i> , 2021, 109, 1314-1332.e5.	3.8	49
22	An Emerging Technology Framework for the Neurobiology of Appetite. <i>Cell Metabolism</i> , 2016, 23, 234-253.	7.2	48
23	Inactivation of Magel2 suppresses oxytocin neurons through synaptic excitation-inhibition imbalance. <i>Neurobiology of Disease</i> , 2019, 121, 58-64.	2.1	37
24	MCH Neuron Activity Is Sufficient for Reward and Reinforces Feeding. <i>Neuroendocrinology</i> , 2020, 110, 258-270.	1.2	37
25	FGF21 suppresses alcohol consumption through an amygdalo-striatal circuit. <i>Cell Metabolism</i> , 2022, 34, 317-328.e6.	7.2	30
26	Synaptic Vesicle Recycling Adapts to Chronic Changes in Activity. <i>Journal of Neuroscience</i> , 2006, 26, 2197-2206.	1.7	27
27	Totally robotic complete mesocolic excision for right-sided colon cancer. <i>Journal of Robotic Surgery</i> , 2019, 13, 107-114.	1.0	17
28	The Effects of Hyperthermic Intraperitoneal Chemoperfusion on Colonic Anastomosis: An Experimental Study in a Rat Model. <i>Tumori</i> , 2017, 103, 307-313.	0.6	16
29	Impaired melanocortin pathway function in Prader-Willi syndrome gene-Magel2 deficient mice. <i>Human Molecular Genetics</i> , 2018, 27, 3129-3136.	1.4	12
30	Robotic Versus Laparoscopic Stapler Use for Rectal Transection in Robotic Surgery for Cancer. <i>Journal of Laparoendoscopic and Advanced Surgical Techniques - Part A</i> , 2018, 28, 501-505.	0.5	10
31	Presynaptic Unsilencing: Searching for a Mechanism. <i>Neuron</i> , 2006, 50, 345-346.	3.8	6
32	Building Bridges through Science. <i>Neuron</i> , 2017, 96, 730-735.	3.8	2
33	Bridged Mini Gastric Bypass: A Novel Metabolic and Bariatric Operation. <i>Bariatric Surgical Patient Care</i> , 2019, 14, 62-67.	0.1	2
34	Neurotransmitter Release Machinery: Components of the Neuronal SNARE Complex and Their Function. , 2008, , 91-110.		1