

# Elda Arrigoni

## List of Publications by Year in descending order

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43  
papers

3,233  
citations

218677  
26  
h-index

289244  
40  
g-index

43  
all docs

43  
docs citations

43  
times ranked

3583  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neural Circuitry of Wakefulness and Sleep. <i>Neuron</i> , 2017, 93, 747-765.	8.1	614
2	The GABAergic parafacial zone is a medullary slow wave sleep-promoting center. <i>Nature Neuroscience</i> , 2014, 17, 1217-1224.	14.8	245
3	Basal forebrain control of wakefulness and cortical rhythms. <i>Nature Communications</i> , 2015, 6, 8744.	12.8	223
4	Hippocampal synaptic plasticity and spatial learning are impaired in a rat model of sleep fragmentation. <i>European Journal of Neuroscience</i> , 2006, 23, 2739-2748.	2.6	185
5	Galanin neurons in the ventrolateral preoptic area promote sleep and heat loss in mice. <i>Nature Communications</i> , 2018, 9, 4129.	12.8	176
6	Cholinergic, Glutamatergic, and GABAergic Neurons of the Pedunculopontine Tegmental Nucleus Have Distinct Effects on Sleep/Wake Behavior in Mice. <i>Journal of Neuroscience</i> , 2017, 37, 1352-1366.	3.6	156
7	Supramammillary glutamate neurons are a key node of the arousal system. <i>Nature Communications</i> , 2017, 8, 1405.	12.8	131
8	Orexin receptor 2 expression in the posterior hypothalamus rescues sleepiness in narcoleptic mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 4471-4476.	7.1	122
9	To eat or to sleep: That is a lateral hypothalamic question. <i>Neuropharmacology</i> , 2019, 154, 34-49.	4.1	101
10	Role of the Medial Prefrontal Cortex in Cataplexy. <i>Journal of Neuroscience</i> , 2013, 33, 9743-9751.	3.6	93
11	Focal Deletion of the Adenosine A1 Receptor in Adult Mice Using an Adeno-Associated Viral Vector. <i>Journal of Neuroscience</i> , 2003, 23, 5762-5770.	3.6	92
12	Melanin-Concentrating Hormone Neurons Release Glutamate for Feedforward Inhibition of the Lateral Septum. <i>Journal of Neuroscience</i> , 2015, 35, 3644-3651.	3.6	85
13	Optogenetic-Mediated Release of Histamine Reveals Distal and Autoregulatory Mechanisms for Controlling Arousal. <i>Journal of Neuroscience</i> , 2014, 34, 6023-6029.	3.6	82
14	Melanin-concentrating hormone neurons specifically promote rapid eye movement sleep in mice. <i>Neuroscience</i> , 2016, 336, 102-113.	2.3	80
15	Suprachiasmatic VIP neurons are required for normal circadian rhythmicity and comprised of molecularly distinct subpopulations. <i>Nature Communications</i> , 2020, 11, 4410.	12.8	72
16	Adenosine-Mediated Presynaptic Modulation of Glutamatergic Transmission in the Laterodorsal Tegmentum. <i>Journal of Neuroscience</i> , 2001, 21, 1076-1085.	3.6	66
17	Identification of a direct GABAergic pallidocortical pathway in rodents. <i>European Journal of Neuroscience</i> , 2015, 41, 748-759.	2.6	66
18	The anatomical, cellular and synaptic basis of motor atonia during rapid eye movement sleep. <i>Journal of Physiology</i> , 2016, 594, 5391-5414.	2.9	63

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19	What optogenetic stimulation is telling us (and failing to tell us) about fast neurotransmitters and neuromodulators in brain circuits for wake-sleep regulation. <i>Current Opinion in Neurobiology</i> , 2014, 29, 165-171.	4.2	61
20	Schaffer collateral and perforant path inputs activate different subtypes of NMDA receptors on the same CA1 pyramidal cell. <i>British Journal of Pharmacology</i> , 2004, 142, 317-322.	5.4	59
21	An Inhibitory Lateral Hypothalamic-Preoptic Circuit Mediates Rapid Arousals from Sleep. <i>Current Biology</i> , 2019, 29, 4155-4168.e5.	3.9	51
22	Adenosine Induces Inositol 1,4,5-Trisphosphate Receptor-Mediated Mobilization of Intracellular Calcium Stores in Basal Forebrain Cholinergic Neurons. <i>Journal of Neuroscience</i> , 2002, 22, 7680-7686.	3.6	44
23	Non-Crh Glutamatergic Neurons in Barrington's Nucleus Control Micturition via Glutamatergic Afferents from the Midbrain and Hypothalamus. <i>Current Biology</i> , 2019, 29, 2775-2789.e7.	3.9	44
24	Regulation of Lateral Hypothalamic Orexin Activity by Local GABAergic Neurons. <i>Journal of Neuroscience</i> , 2018, 38, 1588-1599.	3.6	42
25	A Glutamatergic Hypothalamomedullary Circuit Mediates Thermogenesis, but Not Heat Conservation, during Stress-Induced Hyperthermia. <i>Current Biology</i> , 2018, 28, 2291-2301.e5.	3.9	39
26	Role of serotonergic dorsal raphe neurons in hypercapnia-induced arousals. <i>Nature Communications</i> , 2020, 11, 2769.	12.8	38
27	Reassessing the Role of Histaminergic Tuberomammillary Neurons in Arousal Control. <i>Journal of Neuroscience</i> , 2019, 39, 8929-8939.	3.6	32
28	Genetic Activation, Inactivation, and Deletion Reveal a Limited And Nuanced Role for Somatostatin-Containing Basal Forebrain Neurons in Behavioral State Control. <i>Journal of Neuroscience</i> , 2018, 38, 5168-5181.	3.6	30
29	Descending projections from the basal forebrain to the orexin neurons in mice. <i>Journal of Comparative Neurology</i> , 2017, 525, 1668-1684.	1.6	27
30	Orexin neurons inhibit sleep to promote arousal. <i>Nature Communications</i> , 2022, 13, .	12.8	27
31	Low-voltage activated calcium channels are differently affected by nimodipine. <i>NeuroReport</i> , 1993, 5, 145-147.	1.2	16
32	Long-term synaptic plasticity is impaired in rats with lesions of the ventrolateral preoptic nucleus. <i>European Journal of Neuroscience</i> , 2009, 30, 2112-2120.	2.6	15
33	The Sleep-Promoting Ventrolateral Preoptic Nucleus: What Have We Learned over the Past 25 Years?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2905.	4.1	14
34	Muscarinic Inhibition of Hypoglossal Motoneurons: Possible Implications for Upper Airway Muscle Hypotonia during REM Sleep. <i>Journal of Neuroscience</i> , 2019, 39, 7910-7919.	3.6	13
35	Nitric oxide-induced adenosine inhibition of hippocampal synaptic transmission depends on adenosine kinase inhibition and is cyclic GMP independent. <i>European Journal of Neuroscience</i> , 2006, 24, 2471-2480.	2.6	12
36	Calcium influx in rat thalamic relay neurons through voltage-dependent calcium channels is inhibited by enkephalin. <i>Neuroscience Letters</i> , 1995, 201, 21-24.	2.1	9

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37	The Role of the Central Histaminergic System in Behavioral State Control. Current Topics in Behavioral Neurosciences, 2021, , 447-468.	1.7	3
38	The Circuit, Cellular, and Synaptic Bases of Sleep-Wake Regulation. Handbook of Behavioral Neuroscience, 2019, , 65-88.	0.7	2
39	Addicted to dreaming. Science, 2022, 375, 972-973.	12.6	2
40	066 Noradrenaline and acetylcholine inhibit sleep-promoting neurons of ventrolateral preoptic area through a local GABAergic circuit. Sleep, 2021, 44, A27-A28.	1.1	1
41	0141 Ascending Projections From Parafacial Zone To The Medial Parabrachial Neurons. Sleep, 2019, 42, A58-A58.	1.1	0
42	026 Vasoactive Intestinal Polypeptide Directly Excites Neurons of the Subparaventricular Zone. Sleep, 2021, 44, A12-A12.	1.1	0
43	074 Basal Forebrain GABAergic Neurons Promote Arousal by Disinhibiting the Orexin Neurons via Local GABAergic Interneurons. Sleep, 2021, 44, A31-A31.	1.1	0