

Birgitte Rahbek Kornum

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3600363/publications.pdf>

Version: 2024-02-01

70
papers

3,377
citations

236925

25
h-index

149698

56
g-index

76
all docs

76
docs citations

76
times ranked

4209
citing authors

#	ARTICLE	IF	CITATIONS
1	Species Differences in Blood-Brain Barrier Transport of Three Positron Emission Tomography Radioligands with Emphasis on P-Glycoprotein Transport. <i>Drug Metabolism and Disposition</i> , 2009, 37, 635-643.	3.3	305
2	Narcolepsy as an autoimmune disease: the role of H1N1 infection and vaccination. <i>Lancet Neurology</i> , The, 2014, 13, 600-613.	10.2	229
3	Mutations in DNMT1 cause autosomal dominant cerebellar ataxia, deafness and narcolepsy. <i>Human Molecular Genetics</i> , 2012, 21, 2205-2210.	2.9	225
4	Common variants in P2RY11 are associated with narcolepsy. <i>Nature Genetics</i> , 2011, 43, 66-71.	21.4	215
5	ImmunoChip Study Implicates Antigen Presentation to T Cells in Narcolepsy. <i>PLoS Genetics</i> , 2013, 9, e1003270.	3.5	206
6	Narcolepsy. <i>Nature Reviews Disease Primers</i> , 2017, 3, 16100.	30.5	185
7	Predictors of Hypocretin (Orexin) Deficiency in Narcolepsy Without Cataplexy. <i>Sleep</i> , 2012, 35, 1247-1255.	1.1	182
8	The 5-HT1A serotonin receptor is located on calbindin- and parvalbumin-containing neurons in the rat brain. <i>Brain Research</i> , 2003, 959, 58-67.	2.2	157
9	5-HT radioligands for human brain imaging with PET and SPECT. <i>Medicinal Research Reviews</i> , 2013, 33, 54-111.	10.5	138
10	HLA-DPB1 and HLA Class I Confer Risk of and Protection from Narcolepsy. <i>American Journal of Human Genetics</i> , 2015, 96, 136-146.	6.2	125
11	Narcolepsy with hypocretin/orexin deficiency, infections and autoimmunity of the brain. <i>Current Opinion in Neurobiology</i> , 2011, 21, 897-903.	4.2	123
12	Cognitive testing of pigs (<i>Sus scrofa</i>) in translational biobehavioral research. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 437-451.	6.1	97
13	CD4 ⁺ T Cell Autoimmunity to Hypocretin/Orexin and Cross-Reactivity to a 2009 H1N1 Influenza A Epitope in Narcolepsy. <i>Science Translational Medicine</i> , 2013, 5, 216ra176.	12.4	83
14	CD8 ⁺ T cells from patients with narcolepsy and healthy controls recognize hypocretin neuron-specific antigens. <i>Nature Communications</i> , 2019, 10, 837.	12.8	80
15	A critical look at the function of the P2Y11 receptor. <i>Purinergic Signalling</i> , 2016, 12, 427-437.	2.2	62
16	Evaluation of the Novel 5-HT ₄ Receptor PET Ligand [¹¹ C]SB207145 in the Göttingen Minipig. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009, 29, 186-196.	4.3	52
17	Radiosynthesis and Evaluation of ¹¹ C-CIMBI-5 as a 5-HT _{2A} Receptor Agonist Radioligand for PET. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1763-1770.	5.0	48
18	The European Narcolepsy Network (EU-NN) database. <i>Journal of Sleep Research</i> , 2016, 25, 356-364.	3.2	47

#	ARTICLE	IF	CITATIONS
19	Early IVIg treatment has no effect on post-H1N1 narcolepsy phenotype or hypocretin deficiency. <i>Neurology</i> , 2012, 79, 102-103.	1.1	41
20	Multi-omics characterization of a diet-induced obese model of non-alcoholic steatohepatitis. <i>Scientific Reports</i> , 2020, 10, 1148.	3.3	39
21	Central serotonin depletion affects rat brain areas differently: A qualitative and quantitative comparison between different treatment schemes. <i>Neuroscience Letters</i> , 2006, 392, 129-134.	2.1	34
22	The effect of the inter-phase delay interval in the spontaneous object recognition test for pigs. <i>Behavioural Brain Research</i> , 2007, 181, 210-217.	2.2	34
23	Transcriptomic analysis links diverse hypothalamic cell types to fibroblast growth factor 1-induced sustained diabetes remission. <i>Nature Communications</i> , 2020, 11, 4458.	12.8	34
24	GHB analogs confer neuroprotection through specific interaction with the CaMKII β hub domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	31
25	miRNA Profiles in Plasma from Patients with Sleep Disorders Reveal Dysregulation of miRNAs in Narcolepsy and Other Central Hypersomnias. <i>Sleep</i> , 2014, 37, 1525-1533.	1.1	29
26	Cerebrospinal fluid cytokine levels in type 1 narcolepsy patients very close to onset. <i>Brain, Behavior, and Immunity</i> , 2015, 49, 54-58.	4.1	29
27	Meningeal Lymphangiogenesis and Enhanced Glymphatic Activity in Mice with Chronically Implanted EEG Electrodes. <i>Journal of Neuroscience</i> , 2020, 40, 2371-2380.	3.6	29
28	Rare missense mutations in P2RY11 in narcolepsy with cataplexy. <i>Brain</i> , 2017, 140, 1657-1668.	7.6	27
29	Attenuation and scatter correction in myocardial SPET: improved diagnostic accuracy in patients with suspected coronary artery disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2002, 29, 1438-1442.	6.4	23
30	Adeno-associated viral vector serotypes 1 and 5 targeted to the neonatal rat and pig striatum induce widespread transgene expression in the forebrain. <i>Experimental Neurology</i> , 2010, 222, 70-85.	4.1	23
31	Cerebrospinal Fluid Hypocretin-1 (Orexin-A) Level Fluctuates with Season and Correlates with Day Length. <i>PLoS ONE</i> , 2016, 11, e0151288.	2.5	23
32	The wake-promoting drug Modafinil prevents motor impairment in sickness behavior induced by LPS in mice: Role for dopaminergic D1 receptor. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 81, 468-476.	4.8	22
33	EIF3G is associated with narcolepsy across ethnicities. <i>European Journal of Human Genetics</i> , 2015, 23, 1573-1580.	2.8	21
34	Absence of autoreactive CD4 + T-cells targeting HLA-DQA1*01:02/DQB1*06:02 restricted hypocretin/orexin epitopes in narcolepsy type 1 when detected by EliSpot. <i>Journal of Neuroimmunology</i> , 2017, 309, 7-11.	2.3	19
35	An approach for serotonin depletion in pigs: Effects on serotonin receptor binding. <i>Synapse</i> , 2011, 65, 136-145.	1.2	18
36	DNMT1 regulates expression of MHC class I in post-mitotic neurons. <i>Molecular Brain</i> , 2018, 11, 36.	2.6	18

#	ARTICLE	IF	CITATIONS
37	Does autoreactivity have a role in narcolepsy?. <i>Lancet Neurology</i> , The, 2014, 13, 1072-1073.	10.2	17
38	Human P2Y11 Expression Level Affects Human P2X7 Receptor-Mediated Cell Death. <i>Frontiers in Immunology</i> , 2018, 9, 1159.	4.8	17
39	DQB1*06:02 allele-specific expression varies by allelic dosage, not narcolepsy status. <i>Human Immunology</i> , 2012, 73, 405-410.	2.4	16
40	Serum cytokine levels in Kleineâ€“Levin syndrome. <i>Sleep Medicine</i> , 2015, 16, 961-965.	1.6	16
41	Narcolepsy type 1: what have we learned from immunology?. <i>Sleep</i> , 2020, 43, .	1.1	16
42	A novel spatial Delayed Non-Match to Sample (DNMS) task in the GÃ“ttingen minipig. <i>Behavioural Brain Research</i> , 2009, 196, 93-98.	2.2	15
43	Type 1 narcolepsy: a CD8⁺ T cellâ€“mediated disease?. <i>Annals of the New York Academy of Sciences</i> , 2015, 1351, 80-88.	3.8	15
44	miRNA profiles in cerebrospinal fluid from patients with central hypersomnias. <i>Journal of the Neurological Sciences</i> , 2014, 347, 199-204.	0.6	13
45	Cerebrospinal Fluid Biomarkers of Neurodegeneration Are Decreased or Normal in Narcolepsy. <i>Sleep</i> , 2016, 40, .	1.1	13
46	Flow cytometry analysis of T-cell subsets in cerebrospinal fluid of narcolepsy type 1 patients with long-lasting disease. <i>Sleep Medicine</i> , 2018, 44, 53-60.	1.6	13
47	Sleepâ€“wake stability in narcolepsy patients with normal, low and unmeasurable hypocretin levels. <i>Sleep Medicine</i> , 2017, 34, 1-6.	1.6	12
48	Novel method for evaluation of eye movements in patients with narcolepsy. <i>Sleep Medicine</i> , 2017, 33, 171-180.	1.6	11
49	Narcolepsy Type I as an autoimmune disorder. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2021, 181, 161-172.	1.8	11
50	An optimized method for measuring hypocretin-1 peptide in the mouse brain reveals differential circadian regulation of hypocretin-1 levels rostral and caudal to the hypothalamus. <i>Neuroscience</i> , 2015, 310, 354-361.	2.3	10
51	Sex-related differences within sleepâ€“wake dynamics, cataplexy, and EEG fast-delta power in a narcolepsy mouse model. <i>Sleep</i> , 2022, , .	1.1	10
52	Sleep spindle density in narcolepsy. <i>Sleep Medicine</i> , 2017, 34, 40-49.	1.6	9
53	The evolutionarily conserved miRNA-137 targets the neuropeptide hypocretin/orexin and modulates the wake to sleep ratio. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2112225119.	7.1	9
54	Validation of antibodies for neuroanatomical localization of the P2Y11 receptor in macaque brain. <i>Journal of Chemical Neuroanatomy</i> , 2016, 78, 25-33.	2.1	8

#	ARTICLE	IF	CITATIONS
55	Serotonin depletion results in a decrease of the neuronal activation caused by rivastigmine in the rat hippocampus. <i>Brain Research</i> , 2006, 1073-1074, 262-268.	2.2	7
56	Monozygotic twins discordant for narcolepsy type 1 and multiple sclerosis. <i>Neurology: Neuroimmunology and NeuroInflammation</i> , 2016, 3, e249.	6.0	7
57	The case for narcolepsy as an autoimmune disease. <i>Expert Review of Clinical Immunology</i> , 2020, 16, 231-233.	3.0	7
58	Narcolepsy type 1 patients have lower levels of effector memory CD4+ T cells compared to their siblings when controlling for H1N1-(Pandemrix®, ϵ)-vaccination and HLA DQB1*06:02 status. <i>Sleep Medicine</i> , 2021, 85, 271-279.	1.6	7
59	Emerging therapeutic targets for narcolepsy. <i>Expert Opinion on Therapeutic Targets</i> , 2021, 25, 559-572.	3.4	6
60	Increased interferon-mediated immunity following in vitro and in vivo Modafinil treatment on peripheral immune cells. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2018, 81, 297-305.	4.8	5
61	High nocturnal sleep fragmentation is associated with low T lymphocyte P2Y11 protein levels in narcolepsy type 1. <i>Sleep</i> , 2021, 44, .	1.1	5
62	GABA _A receptor $\alpha 1$ subunit knock-out mice show increased delta power in NREM sleep and decreased theta power in REM sleep. <i>European Journal of Neuroscience</i> , 2021, 54, 4445-4455.	2.6	4
63	Normal Morning Melanin-Concentrating Hormone Levels and No Association with Rapid Eye Movement or Non-Rapid Eye Movement Sleep Parameters in Narcolepsy Type 1 and Type 2. <i>Journal of Clinical Sleep Medicine</i> , 2017, 13, 235-243.	2.6	3
64	Synthesis and biological evaluation of ¹²⁵ I/ ¹²³ I-labelled analogues of citalopram and escitalopram as potential radioligands for imaging of the serotonin transporter. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2011, 54, 185-190.	1.0	2
65	Neurobasal media facilitates increased specificity of siRNA-mediated knockdown in primary cerebellar cultures. <i>Journal of Neuroscience Methods</i> , 2016, 274, 116-124.	2.5	2
66	Altered surface expression of P2Y11 receptor with narcolepsy-associated mutations. <i>Pharmacological Reports</i> , 2019, 71, 926-928.	3.3	2
67	Pre-treatment of blood samples reveal normal blood hypocretin/orexin signal in narcolepsy type 1. <i>Brain Communications</i> , 2021, 3, fcab050.	3.3	2
68	N-terminal tagging of human P2X7 receptor disturbs calcium influx and dye uptake. <i>Purinergic Signalling</i> , 2018, 14, 83-90.	2.2	1
69	Diagnostic value of actigraphy in hypersomnolence disorders. <i>Sleep Medicine</i> , 2021, 85, 1-7.	1.6	1
70	Precipitants of Narcolepsy: Vaccines and Infections. , 2016, , 25-33.		1