

Carsten Holzmann

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,216
citations

361413
20
h-index

223800
46
g-index

53
all docs

53
docs citations

53
times ranked

3108
citing authors

#	ARTICLE	IF	CITATIONS
1	14-3-3 proteins in the nervous system. <i>Nature Reviews Neuroscience</i> , 2003, 4, 752-762.	10.2	405
2	Transgenic rat model of Huntington's disease. <i>Human Molecular Genetics</i> , 2003, 12, 617-624.	2.9	329
3	Neurodegeneration and Motor Dysfunction in a Conditional Model of Parkinson's Disease. <i>Journal of Neuroscience</i> , 2008, 28, 2471-2484.	3.6	164
4	Identification and functional characterization of a novel R621C mutation in the synphilin-1 gene in Parkinson's disease. <i>Human Molecular Genetics</i> , 2003, 12, 1223-1231.	2.9	124
5	Behavioral abnormalities precede neuropathological markers in rats transgenic for Huntington's disease. <i>Human Molecular Genetics</i> , 2006, 15, 3177-3194.	2.9	109
6	Reversibility of symptoms in a conditional mouse model of spinocerebellar ataxia type 3. <i>Human Molecular Genetics</i> , 2009, 18, 4282-4295.	2.9	97
7	Lifelong Caloric Restriction Increases Working Memory in Mice. <i>PLoS ONE</i> , 2013, 8, e68778.	2.5	80
8	Selective striatal neuron loss and alterations in behavior correlate with impaired striatal function in Huntington's disease transgenic rats. <i>Neurobiology of Disease</i> , 2006, 22, 538-547.	4.4	65
9	Transient receptor potential melastatin 4 channel contributes to migration of androgen-insensitive prostate cancer cells. <i>Oncotarget</i> , 2015, 6, 41783-41793.	1.8	58
10	14-3-3 protein is a component of Lewy bodies in Parkinson's disease—Mutation analysis and association studies of 14-3-3 eta. <i>Molecular Brain Research</i> , 2002, 108, 33-39.	2.3	53
11	Polymorphisms of the α -synuclein promoter: expression analyses and association studies in Parkinson's disease. <i>Journal of Neural Transmission</i> , 2003, 110, 67-76.	2.8	53
12	Regional and subtype selective changes of neurotransmitter receptor density in a rat transgenic for the Huntington's disease mutation. <i>Journal of Neurochemistry</i> , 2005, 94, 639-650.	3.9	53
13	A transgenic mouse model of spinocerebellar ataxia type 3 resembling late disease onset and gender-specific instability of CAG repeats. <i>Neurobiology of Disease</i> , 2010, 37, 284-293.	4.4	51
14	Combined therapy with cyclodextrin/allopregnanolone and miglustat improves motor but not cognitive functions in Niemann-Pick Type C1 mice. <i>Neuroscience</i> , 2013, 252, 201-211.	2.3	43
15	Differential Redox Regulation of Ca ²⁺ Signaling and Viability in Normal and Malignant Prostate Cells. <i>Biophysical Journal</i> , 2015, 109, 1410-1419.	0.5	36
16	Effects of intrastriatal botulinum neurotoxin A on the behavior of Wistar rats. <i>Behavioural Brain Research</i> , 2012, 234, 107-116.	2.2	31
17	Current Challenges in Understanding the Cellular and Molecular Mechanisms in Niemann-Pick Disease Type C1. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4392.	4.1	27
18	Expression mapping of tetracycline-responsive prion protein promoter: Digital atlasing for generating cell-specific disease models. <i>NeuroImage</i> , 2006, 33, 449-462.	4.2	26

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19	The ϵ 4 genotype of apolipoprotein E and white matter integrity in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2014, 10, 401-404.	0.8	25
20	Isolation and characterization of the rat huntingtin promoter. <i>Biochemical Journal</i> , 1998, 336, 227-234.	3.7	23
21	Cytogenetically normal uterine leiomyomas without MED12-mutations – a source to identify unknown mechanisms of the development of uterine smooth muscle tumors. <i>Molecular Cytogenetics</i> , 2014, 7, 88.	0.9	22
22	Pharmacologic Treatment Assigned for Niemann Pick Type C1 Disease Partly Changes Behavioral Traits in Wild-Type Mice. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1866.	4.1	22
23	Factors affecting the loss of MED12-mutated leiomyoma cells during in vitro growth. <i>Oncotarget</i> , 2017, 8, 34762-34772.	1.8	22
24	Increased Regenerative Capacity of the Olfactory Epithelium in Niemann-Pick Disease Type C1. <i>International Journal of Molecular Sciences</i> , 2017, 18, 777.	4.1	20
25	High Speed Ventral Plane Videography as a Convenient Tool to Quantify Motor Deficits during Pre-Clinical Experimental Autoimmune Encephalomyelitis. <i>Cells</i> , 2019, 8, 1439.	4.1	19
26	Functional characterization of the human Huntington's disease gene promoter. <i>Molecular Brain Research</i> , 2001, 92, 85-97.	2.3	17
27	Age-dependent gene expression profile and protein expression in a transgenic rat model of Huntington's disease. <i>Proteomics - Clinical Applications</i> , 2008, 2, 1638-1650.	1.6	17
28	Analysis of Injury and Mortality Patterns in Deceased Patients with Road Traffic Injuries: An Autopsy Study. <i>World Journal of Surgery</i> , 2017, 41, 3111-3119.	1.6	17
29	Neurofilament L gene is not a genetic factor of sporadic and familial Parkinson's disease. <i>Brain Research</i> , 2002, 951, 82-86.	2.2	16
30	Botulinum Neurotoxin A Injected Ipsilaterally or Contralaterally into the Striatum in the Rat 6-OHDA Model of Unilateral Parkinson's Disease Differently Affects Behavior. <i>Frontiers in Behavioral Neuroscience</i> , 2017, 11, 119.	2.0	16
31	A rare coincidence of different types of driver mutations among uterine leiomyomas (UL). <i>Molecular Cytogenetics</i> , 2015, 8, 76.	0.9	14
32	Genetic alterations in uterine fibroids – a new direction for pharmacological intervention?. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 1485-1494.	3.4	14
33	What are the differences in injury patterns of young and elderly traffic accident fatalities considering death on scene and death in hospital?. <i>International Journal of Legal Medicine</i> , 2017, 131, 1023-1037.	2.2	14
34	Intrastrially injected botulinum neurotoxin-A differently effects cholinergic and dopaminergic fibers in C57BL/6 mice. <i>Brain Research</i> , 2017, 1676, 46-56.	2.2	12
35	Repeated Intrastriatal Botulinum Neurotoxin-A Injection in Hemiparkinsonian Rats Increased the Beneficial Effect on Rotational Behavior. <i>Toxins</i> , 2018, 10, 368.	3.4	11
36	Structural Connectivity Changes Underlying Altered Working Memory Networks in Mild Cognitive Impairment: A Three-Way Image Fusion Analysis. <i>Journal of Neuroimaging</i> , 2015, 25, 634-642.	2.0	10

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37	Patterns of Chromosomal Abnormalities that Can Improve Diagnosis of Uterine Smooth Muscle Tumors. <i>Anticancer Research</i> , 2015, 35, 6445-56.	1.1	10
38	Comparative sensitivity analyses of quantitative polymerase chain reaction and flow cytometry in detecting cellular microchimerism in murine tissues. <i>Journal of Immunological Methods</i> , 2014, 406, 74-82.	1.4	9
39	Genome-wide acquired uniparental disomy as well as chromosomal gains and losses in an uterine epithelioid leiomyoma. <i>Molecular Cytogenetics</i> , 2014, 7, 19.	0.9	9
40	Unilateral Botulinum Neurotoxin-A Injection into the Striatum of C57BL/6 Mice Leads to a Different Motor Behavior Compared with Rats. <i>Toxins</i> , 2018, 10, 295.	3.4	9
41	Reasons to Reconsider Risk Associated With Power Morcellation of Uterine Fibroids. <i>In Vivo</i> , 2020, 34, 1-9.	1.3	9
42	Antidepressant-Like Properties of Intrastratial Botulinum Neurotoxin-A Injection in a Unilateral 6-OHDA Rat Model of Parkinson's Disease. <i>Toxins</i> , 2021, 13, 505.	3.4	9
43	Malignant mesenchymal tumors of the uterus – time to advocate a genetic classification. <i>Expert Review of Anticancer Therapy</i> , 2016, 16, 1155-1166.	2.4	8
44	Co-occurrence of multiple sclerosis and cancer in a BRCA1 positive family. <i>European Journal of Medical Genetics</i> , 2013, 56, 577-579.	1.3	7
45	Botulinum Neurotoxin-A Injected Intrastratially into Hemiparkinsonian Rats Improves the Initiation Time for Left and Right Forelimbs in Both Forehand and Backhand Directions. <i>International Journal of Molecular Sciences</i> , 2019, 20, 992.	4.1	7
46	Gender-Specific Effects of Two Treatment Strategies in a Mouse Model of Niemann-Pick Disease Type C1. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2539.	4.1	7
47	Case Report: A Low-grade Uterine Leiomyosarcoma Showing Multiple Genetic Aberrations Including a Bi-allelic Loss of the Retinoblastoma Gene Locus, as well as Germ-line Uniparental Disomy for Part of the Long Arm of Chromosome 22. <i>Anticancer Research</i> , 2017, 37, 2233-2237.	1.1	6
48	Repeated intrastratial application of botulinum neurotoxin-A did not influence choline acetyltransferase-immunoreactive interneurons in hemiparkinsonian rat brain – A histological, stereological and correlational analysis. <i>Brain Research</i> , 2020, 1742, 146877.	2.2	5
49	Olfactory Bulb D2/D3 Receptor Availability after Intrastratial Botulinum Neurotoxin-A Injection in a Unilateral 6-OHDA Rat Model of Parkinson's Disease. <i>Toxins</i> , 2022, 14, 94.	3.4	4
50	Hyperhaploid uterine mesenchymal tumors – a novel genetic subgroup?. <i>Cancer Genetics</i> , 2016, 209, 278-281.	0.4	1
51	Interlinking potential therapy with botulinum neurotoxin-A and Parkinson's disease. , 2020, , 665-681.		1
52	Regional and subtype selective changes of neurotransmitter receptor density in a rat transgenic for the Huntington's disease mutation. <i>Journal of Neurochemistry</i> , 2005, 94, 1167-1167.	3.9	0
53	Differential Cellular Balance of Olfactory and Vomeronasal Epithelia in a Transgenic BACHD Rat Model of Huntington's Disease. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7625.	4.1	0