

Carolina Minguillon

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,148
citations

430754

18
h-index

477173

29
g-index

59
all docs

59
docs citations

59
times ranked

1261
citing authors

#	ARTICLE	IF	CITATIONS
1	The amphioxus Hox cluster: deuterostome posterior flexibility and Hox14. <i>Evolution & Development</i> , 2000, 2, 284-293.	1.1	156
2	Tbx5 and Tbx4 Are Not Sufficient to Determine Limb-Specific Morphologies but Have Common Roles in Initiating Limb Outgrowth. <i>Developmental Cell</i> , 2005, 8, 75-84.	3.1	142
3	The ALFA project: A research platform to identify early pathophysiological features of Alzheimer's disease. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2016, 2, 82-92.	1.8	97
4	Hox genes regulate the onset of <i>Tbx5</i> expression in the forelimb. <i>Development (Cambridge)</i> , 2012, 139, 3180-3188.	1.2	63
5	No more than 14: the end of the amphioxus Hox cluster. <i>International Journal of Biological Sciences</i> , 2005, 1, 19-23.	2.6	63
6	Tbx5a lineage tracing shows cardiomyocyte plasticity during zebrafish heart regeneration. <i>Nature Communications</i> , 2018, 9, 428.	5.8	62
7	Conservation of linkage and evolution of developmental function within the Tbx2/3/4/5 subfamily of T-box genes: implications for the origin of vertebrate limbs. <i>Development Genes and Evolution</i> , 2008, 218, 613-628.	0.4	60
8	Amphioxus Evx Genes: Implications for the Evolution of the Midbrain-Hindbrain Boundary and the Chordate Tailbud. <i>Developmental Biology</i> , 2001, 237, 270-281.	0.9	55
9	<i>Tbx4/5</i> gene duplication and the origin of vertebrate paired appendages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 21726-21730.	3.3	55
10	Genesis and evolution of the Evx and Mox genes and the extended Hox and ParaHox gene clusters. <i>Genome Biology</i> , 2003, 4, R12.	13.9	51
11	The amphioxus Hairy family: differential fate after duplication. <i>Development (Cambridge)</i> , 2003, 130, 5903-5914.	1.2	46
12	A Combination of Activation and Repression by a Colinear Hox Code Controls Forelimb-Restricted Expression of Tbx5 and Reveals Hox Protein Specificity. <i>PLoS Genetics</i> , 2014, 10, e1004245.	1.5	41
13	CSF Synaptic Biomarkers in the Preclinical Stage of Alzheimer Disease and Their Association With MRI and PET. <i>Neurology</i> , 2021, 97, e2065-e2078.	1.5	40
14	Associations between air pollution and biomarkers of Alzheimer's disease in cognitively unimpaired individuals. <i>Environment International</i> , 2021, 157, 106864.	4.8	40
15	Gene duplications in the prototypical cephalochordate amphioxus. <i>Gene</i> , 2002, 287, 121-128.	1.0	38
16	The Single Amphioxus Mox Gene: Insights into the Functional Evolution of Mox Genes, Somites, and the Asymmetry of Amphioxus Somitogenesis. <i>Developmental Biology</i> , 2002, 246, 455-465.	0.9	29
17	Identification and characterisation of the developmental expression pattern of <i>tbx5b</i> , a novel <i>tbx5</i> gene in zebrafish. <i>Gene Expression Patterns</i> , 2010, 10, 24-30.	0.3	26
18	Distinct tissue-specific requirements for the zebrafish <i>tbx5</i> genes during heart, retina and pectoral fin development. <i>Open Biology</i> , 2014, 4, 140014.	1.5	22

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19	Amyloid- β positive individuals with subjective cognitive decline present increased CSF neurofilament light levels that relate to lower hippocampal volume. <i>Neurobiology of Aging</i> , 2021, 104, 24-31.	1.5	13
20	The protective gene dose effect of the <i>APOE</i> μ 2 allele on gray matter volume in cognitively unimpaired individuals. <i>Alzheimer's and Dementia</i> , 2022, 18, 1383-1395.	0.4	13
21	The <i>Prx1</i> limb enhancers: Targeted gene expression in developing zebrafish pectoral fins. <i>Developmental Dynamics</i> , 2011, 240, 1977-1988.	0.8	12
22	From the American to the European amphioxus: towards experimental Evo-Devo at the origin of chordates. <i>International Journal of Developmental Biology</i> , 2009, 53, 1359-1366.	0.3	11
23	Association of years to parent's sporadic onset and risk factors with neural integrity and Alzheimer biomarkers. <i>Neurology</i> , 2020, 95, e2065-e2074.	1.5	3
24	Air pollution and biomarkers of Alzheimer's disease in cognitively unimpaired individuals. <i>Alzheimer's and Dementia</i> , 2020, 16, e044802.	0.4	3
25	Perivascular spaces are associated with tau pathophysiology and synaptic dysfunction in early Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	2
26	Distinctive effect of biological sex in AD-related CSF and plasma biomarkers. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	2
27	Impact of <i>APOE</i> μ 4 on cerebral amyloid deposition in participants with abnormal soluble amyloid levels. <i>Alzheimer's and Dementia</i> , 2020, 16, e045828.	0.4	1
28	Higher levels of the astrocytic marker CSF YKL40 are associated with better memory performance only in amyloid-positive individuals with subjective cognitive decline. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	1
29	Subjective cognitive decline is associated with higher anxiety and depression during the COVID-19-related confinement. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	1
30	15-P005 Ancestral <i>Tbx4/5</i> gene duplication and the origin of vertebrate paired limbs. <i>Mechanisms of Development</i> , 2009, 126, S248.	1.7	0
31	Use of the Medtep digital health platform in the framework of a multimodal intervention in patients with subjective cognitive decline (PENSA Study). <i>Alzheimer's and Dementia</i> , 2020, 16, e040447.	0.4	0
32	Amyloid- β , tau, synaptic dysfunction, neurodegeneration, glial and vascular biomarkers in the preclinical stage of the Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2020, 16, e044444.	0.4	0
33	Genetically predicted telomere length and Alzheimer's disease endophenotypes: A Mendelian randomization study. <i>Alzheimer's and Dementia</i> , 2020, 16, e044720.	0.4	0
34	The effect of physical activity on CSF biomarkers of Alzheimer's disease differs between men and women. <i>Alzheimer's and Dementia</i> , 2020, 16, e044722.	0.4	0
35	Multiple biological pathways associate with cerebral amyloid load in the early Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2020, 16, e044733.	0.4	0
36	Higher fronto-parietal metabolism parallels a greater impact of amyloid and anxiety on medial temporal areas in women versus men. <i>Alzheimer's and Dementia</i> , 2020, 16, e044780.	0.4	0

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37	Multiple pathophysiological biomarkers are associated with gray matter volume and cerebral glucose metabolism in the early preclinical Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2020, 16, e044808.	0.4	0
38	PENSA study: Study design, recruitment profiles and participant inclusion in multimodal intervention studies. <i>Alzheimer's and Dementia</i> , 2020, 16, e045074.	0.4	0
39	APOE ϵ 4 shapes temporoparietal network properties in middle-aged, cognitively unimpaired individuals: A graph theory analysis. <i>Alzheimer's and Dementia</i> , 2020, 16, e045092.	0.4	0
40	Weight loss predicts Alzheimer's disease biomarker positivity in cognitively unimpaired middle-aged adults. <i>Alzheimer's and Dementia</i> , 2020, 16, e045137.	0.4	0
41	Proximity to parental age at onset exacerbates amyloid burden while mental conditions exacerbate neural loss during midlife. <i>Alzheimer's and Dementia</i> , 2020, 16, e045171.	0.4	0
42	Incidence of subjective cognitive decline is associated with amyloid β pathology, whereas stability relates to neurodegeneration. <i>Alzheimer's and Dementia</i> , 2020, 16, e045293.	0.4	0
43	Amyloid β -positive individuals with subjective cognitive decline present increased CSF neurofilament light levels that relate to hippocampal volume. <i>Alzheimer's and Dementia</i> , 2020, 16, e045715.	0.4	0
44	The Barcelonabeta dementia prevention research clinic: Study design, recruitment profiles and inclusion in prevention studies – An update. <i>Alzheimer's and Dementia</i> , 2020, 16, e045800.	0.4	0
45	ALFA+: A cohort study to understand and model the preclinical stage of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e045935.	0.4	0
46	A co ϵ creation approach to design the implementation of a multimodal intervention in patients with subjective cognitive decline (PENSA study). <i>Alzheimer's and Dementia</i> , 2020, 16, e042998.	0.4	0
47	Association between telomere length and cognitive function among cognitively unimpaired individuals at risk of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
48	Brain structural alterations in cognitively unimpaired individuals with discordant amyloid β PET and CSF A β 42 status: Findings using machine learning. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
49	Sex differences in genetic susceptibility of hippocampal subfields: A polygenic association study. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
50	Imaging neurodegeneration markers are associated with multiple pathophysiological mechanisms in the early stages of the Alzheimer's continuum. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
51	Synergistic effects of CSF A β 42 and p τ on functional resting-state connectivity in cognitively unimpaired individuals. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
52	Cross-sectional associations between sleep quality reports and core Alzheimer's disease biomarkers in cognitively unimpaired adults from the European Prevention of Alzheimer's Dementia Longitudinal Cohort Study (EPAD LCS). <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
53	Structural, metabolic and cognitive characteristics of cognitively unimpaired subjects with mismatching β -amyloid biomarkers. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
54	Associations between iron deposition in the brain and grey matter volumes in cognitively unimpaired adults. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0

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55	Association of body mass index with brain structure and biomarkers of inflammation in cognitively unimpaired middle-aged adults with and without evidence of β -amyloid pathology. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
56	Sex, caregiver status and amyloid positivity predict increased anxiety and depression during the COVID-19-related confinement. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0
57	Impaired default mode network along with increased functional connectivity of the medial temporal lobe as a function of CSF τ /Ab42 ratio in cognitively unimpaired individuals. <i>Alzheimer's and Dementia</i> , 2021, 17, .	0.4	0