

Federico Roncaroli

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

5,798
citations

76196

40
h-index

82410

72
g-index

114
all docs

114
docs citations

114
times ranked

6537
citing authors

#	ARTICLE	IF	CITATIONS
1	Meningeal inflammation is widespread and linked to cortical pathology in multiple sclerosis. <i>Brain</i> , 2011, 134, 2755-2771.	3.7	685
2	A Gradient of neuronal loss and meningeal inflammation in multiple sclerosis. <i>Annals of Neurology</i> , 2010, 68, 477-493.	2.8	588
3	Meningeal inflammation plays a role in the pathology of primary progressive multiple sclerosis. <i>Brain</i> , 2012, 135, 2925-2937.	3.7	310
4	From pituitary adenoma to pituitary neuroendocrine tumor (PitNET): an International Pituitary Pathology Club proposal. <i>Endocrine-Related Cancer</i> , 2017, 24, C5-C8.	1.6	262
5	Reference and target region modeling of [11C]-(R)-PK11195 brain studies. <i>Journal of Nuclear Medicine</i> , 2007, 48, 158-67.	2.8	216
6	The neuropathological basis of clinical progression in multiple sclerosis. <i>Acta Neuropathologica</i> , 2011, 122, 155-170.	3.9	188
7	Heterogeneous Genetic Background of the Association of Pheochromocytoma/Paraganglioma and Pituitary Adenoma: Results From a Large Patient Cohort. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E531-E541.	1.8	145
8	Landscape of Familial Isolated and Young-Onset Pituitary Adenomas: Prospective Diagnosis in AIP Mutation Carriers. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E1242-E1254.	1.8	144
9	How to Classify Pituitary Neuroendocrine Tumors (PitNET)s in 2020. <i>Cancers</i> , 2020, 12, 514.	1.7	123
10	Factors predicting pasireotide responsiveness in somatotroph pituitary adenomas resistant to first-generation somatostatin analogues: an immunohistochemical study. <i>European Journal of Endocrinology</i> , 2016, 174, 241-250.	1.9	122
11	Clinical and Pathological Aspects of Silent Pituitary Adenomas. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 2473-2489.	1.8	120
12	Glioma through the looking GLASS: molecular evolution of diffuse gliomas and the Glioma Longitudinal Analysis Consortium. <i>Neuro-Oncology</i> , 2018, 20, 873-884.	0.6	119
13	Selection of novel reference genes for use in the human central nervous system: a BrainNet Europe Study. <i>Acta Neuropathologica</i> , 2012, 124, 893-903.	3.9	110
14	Germline or somatic GPR101 duplication leads to X-linked acroigantism: a clinico-pathological and genetic study. <i>Acta Neuropathologica Communications</i> , 2016, 4, 56.	2.4	110
15	Diagnosis Across the Spectrum of Progressive Supranuclear Palsy and Corticobasal Syndrome. <i>JAMA Neurology</i> , 2020, 77, 377.	4.5	94
16	P53 Gene Mutations in Pituitary Carcinomas. <i>Endocrine Pathology</i> , 2007, 18, 217-222.	5.2	88
17	Gap junction pathology in multiple sclerosis lesions and normal-appearing white matter. <i>Acta Neuropathologica</i> , 2012, 123, 873-886.	3.9	83
18	Extensive grey matter pathology in the cerebellum in multiple sclerosis is linked to inflammation in the subarachnoid space. <i>Neuropathology and Applied Neurobiology</i> , 2015, 41, 798-813.	1.8	82

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19	Novel Reference Region Model Reveals Increased Microglial and Reduced Vascular Binding of ¹¹ C-(R)-PK11195 in Patients with Alzheimer's Disease. <i>Journal of Nuclear Medicine</i> , 2008, 49, 1249-1256.	2.8	81
20	Meningeal inflammation changes the balance of TNF signalling in cortical grey matter in multiple sclerosis. <i>Journal of Neuroinflammation</i> , 2019, 16, 259.	3.1	79
21	The 18-kDa Mitochondrial Translocator Protein in Human Gliomas: An ¹¹ C-(R)-PK11195 PET Imaging and Neuropathology Study. <i>Journal of Nuclear Medicine</i> , 2015, 56, 512-517.	2.8	77
22	B cell rich meningeal inflammation associates with increased spinal cord pathology in multiple sclerosis. <i>Brain Pathology</i> , 2020, 30, 779-793.	2.1	76
23	Oligodendrocyte Gap Junction Loss and Disconnection From Reactive Astrocytes in Multiple Sclerosis Gray Matter. <i>Journal of Neuropathology and Experimental Neurology</i> , 2014, 73, 865-879.	0.9	70
24	Cortical Lewy bodies and A β burden are associated with prevalence and timing of dementia in Lewy body diseases. <i>Neuropathology and Applied Neurobiology</i> , 2016, 42, 436-450.	1.8	67
25	A standardised diagnostic approach to pituitary neuroendocrine tumours (PitNETs): a European Pituitary Pathology Group (EPPG) proposal. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2019, 475, 687-692.	1.4	66
26	Supratentorial Cortical Ependymoma: Report of Three Cases. <i>Neurosurgery</i> , 2005, 57, E192-E192.	0.6	65
27	SSTR3 is a putative target for the medical treatment of gonadotroph adenomas of the pituitary. <i>Endocrine-Related Cancer</i> , 2015, 22, 111-119.	1.6	60
28	Targeting PI3K/mTOR Signaling Displays Potent Antitumor Efficacy against Nonfunctioning Pituitary Adenomas. <i>Clinical Cancer Research</i> , 2015, 21, 3204-3215.	3.2	59
29	Tumor microenvironment defines the invasive phenotype of AIP-mutation-positive pituitary tumors. <i>Oncogene</i> , 2019, 38, 5381-5395.	2.6	59
30	Inflammation and vascular permeability correlate with growth in sporadic vestibular schwannoma. <i>Neuro-Oncology</i> , 2019, 21, 314-325.	0.6	59
31	TSPO expression in brain tumours: is TSPO a target for brain tumour imaging?. <i>Clinical and Translational Imaging</i> , 2016, 4, 145-156.	1.1	57
32	[¹¹ C]-(R)-PK11195 tracer kinetics in the brain of glioma patients and a comparison of two referencing approaches. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 1406-1419.	3.3	55
33	Mechanisms of Mitochondrial Dysfunction in Lysosomal Storage Disorders: A Review. <i>Journal of Clinical Medicine</i> , 2020, 9, 2596.	1.0	55
34	Kinetic modelling of [¹¹ C]PBR28 for 18 kDa translocator protein PET data: A validation study of vascular modelling in the brain using XBD173 and tissue analysis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 1227-1242.	2.4	51
35	Pituitary Carcinoma in a Patient with an SDHB Mutation. <i>Endocrine Pathology</i> , 2017, 28, 320-325.	5.2	50
36	Sarcomatoid Carcinoma of the Anorectal Junction with Neuroendocrine and Rhabdomyoblastic Features. <i>American Journal of Surgical Pathology</i> , 1995, 19, 217-223.	2.1	48

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37	Somatic <i>GPR101</i> Duplication Causing X-Linked Acrogigantism (XLAG) – Diagnosis and Management. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 1927-1930.	1.8	48
38	Pituitary neuroendocrine tumors: a model for neuroendocrine tumor classification. <i>Modern Pathology</i> , 2021, 34, 1634-1650.	2.9	44
39	Metabolic myopathies: a practical approach. <i>Practical Neurology</i> , 2018, 18, 14-26.	0.5	41
40	Silent Corticotroph Carcinoma of the Adenohypophysis. <i>American Journal of Surgical Pathology</i> , 2003, 27, 477-486.	2.1	40
41	Levels of p27 Sensitize to Dual PI3K/mTOR Inhibition. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 1450-1459.	1.9	40
42	Transcriptome analysis of MENX-associated rat pituitary adenomas identifies novel molecular mechanisms involved in the pathogenesis of human pituitary gonadotroph adenomas. <i>Acta Neuropathologica</i> , 2013, 126, 137-150.	3.9	40
43	Gonadotropic pituitary carcinoma: HER-2/neu expression and gene amplification. <i>Journal of Neurosurgery</i> , 2003, 99, 402-408.	0.9	39
44	Epithelioid leiomyoma of the breast with granular cell change: A case report. <i>Human Pathology</i> , 1993, 24, 1260-1263.	1.1	37
45	Significant Benefits of <i>AIP</i> Testing and Clinical Screening in Familial Isolated and Young-onset Pituitary Tumors. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e2247-e2260.	1.8	37
46	The inflammatory microenvironment in vestibular schwannoma. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa023.	0.4	35
47	Pituitary neuroendocrine tumors (PitNETs): nomenclature evolution, not clinical revolution. <i>Pituitary</i> , 2020, 23, 322-325.	1.6	34
48	Complex regulation of neutrophil-derived MMP-9 secretion in central nervous system tuberculosis. <i>Journal of Neuroinflammation</i> , 2017, 14, 31.	3.1	33
49	YAP1/TAZ drives ependymoma-like tumour formation in mice. <i>Nature Communications</i> , 2020, 11, 2380.	5.8	32
50	TNF- α enhancement of CD62E mediates adhesion of non-small cell lung cancer cells to brain endothelium via CD15 in lung-brain metastasis. <i>Neuro-Oncology</i> , 2016, 18, 679-690.	0.6	27
51	Imaging of the glioma microenvironment by TSPO PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 49, 174-185.	3.3	24
52	The lack of expression of the peripheral benzodiazepine receptor characterises microglial response in anaplastic astrocytomas. <i>Journal of Neuro-Oncology</i> , 2007, 85, 95-103.	1.4	23
53	The microenvironment in sporadic and neurofibromatosis type II-related vestibular schwannoma: the same tumor or different? A comparative imaging and neuropathology study. <i>Journal of Neurosurgery</i> , 2021, 134, 1419-1429.	0.9	23
54	Clinical outcomes in patients with nonfunctioning pituitary adenomas managed conservatively. <i>Clinical Endocrinology</i> , 2015, 83, 861-865.	1.2	22

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55	CD15s/CD62E Interaction Mediates the Adhesion of Non-Small Cell Lung Cancer Cells on Brain Endothelial Cells: Implications for Cerebral Metastasis. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1474.	1.8	22
56	Widespread Decreases in Cerebral Copper Are Common to Parkinson's Disease Dementia and Alzheimer's Disease Dementia. <i>Frontiers in Aging Neuroscience</i> , 2021, 13, 641222.	1.7	21
57	AIP mutations in young patients with acromegaly and the Tampico Giant: the Mexican experience. <i>Endocrine</i> , 2016, 53, 402-411.	1.1	20
58	The 18-kDa mitochondrial translocator protein in gliomas: from the bench to bedside. <i>Biochemical Society Transactions</i> , 2015, 43, 579-585.	1.6	19
59	Crooke's Hyalinization in Silent Corticotroph Adenoma: Report of Two Cases. <i>Endocrine Pathology</i> , 2002, 13, 245-249.	5.2	18
60	A nonmyeloablative chimeric mouse model accurately defines microglia and macrophage contribution in glioma. <i>Neuropathology and Applied Neurobiology</i> , 2019, 45, 119-140.	1.8	18
61	Silent subtype 3 carcinoma of the pituitary: a case report. <i>Neuropathology and Applied Neurobiology</i> , 2010, 36, 90-94.	1.8	17
62	Characterization of MENX-associated pituitary tumours. <i>Neuropathology and Applied Neurobiology</i> , 2013, 39, 256-269.	1.8	17
63	Low levels of cobalamin, epidermal growth factor, and normal prions in multiple sclerosis spinal cord. <i>Neuroscience</i> , 2015, 298, 293-301.	1.1	17
64	Epithelioid leiomyosarcoma of retroperitoneum with granular cell change. <i>Histopathology</i> , 1994, 25, 90-93.	1.6	13
65	Imaging and Tissue Biomarkers of Choline Metabolism in Diffuse Adult Glioma: 18F-Fluoromethylcholine PET/CT, Magnetic Resonance Spectroscopy, and Choline Kinase $\hat{\pm}$. <i>Cancers</i> , 2019, 11, 1969.	1.7	13
66	Influence of APOE genotype in primary age-related tauopathy. <i>Acta Neuropathologica Communications</i> , 2020, 8, 215.	2.4	13
67	The spatial phenotype of genotypically distinct meningiomas demonstrate potential implications of the embryology of the meninges. <i>Oncogene</i> , 2021, 40, 875-884.	2.6	13
68	Identification of mitochondria in liver biopsies. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 1998, 433, 267-273.	1.4	12
69	Effects of Alterations of Post-Mortem Delay and Other Tissue-Collection Variables on Metabolite Levels in Human and Rat Brain. <i>Metabolites</i> , 2020, 10, 438.	1.3	12
70	Evidence that levels of nine essential metals in post-mortem human-Alzheimer's-brain and <i>ex vivo</i> rat-brain tissues are unaffected by differences in post-mortem delay, age, disease staging, and brain bank location. <i>Metallomics</i> , 2020, 12, 952-962.	1.0	12
71	Mid to late-life scores of depression in the cognitively healthy are associated with cognitive status and Alzheimer's disease pathology at death. <i>International Journal of Geriatric Psychiatry</i> , 2021, 36, 713-721.	1.3	10
72	Limb girdle muscular dystrophy R12 (LGMD 2L, anoctaminopathy) mimicking idiopathic inflammatory myopathy: key points to prevent misdiagnosis. <i>Rheumatology</i> , 2022, 61, 1645-1650.	0.9	10

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73	Patterns of Mitochondrial TSPO Binding in Cerebral Small Vessel Disease: An in vivo PET Study With Neuropathological Comparison. <i>Frontiers in Neurology</i> , 2020, 11, 541377.	1.1	9
74	Severe and Regionally Widespread Increases in Tissue Urea in the Human Brain Represent a Novel Finding of Pathogenic Potential in Parkinson's Disease Dementia. <i>Frontiers in Molecular Neuroscience</i> , 2021, 14, 711396.	1.4	9
75	The blood-CSF-brain route of neurological disease: The indirect pathway into the brain. <i>Neuropathology and Applied Neurobiology</i> , 2022, 48, .	1.8	9
76	Characterization of neuroendocrine tumors in heterozygous mutant MENX rats: a novel model of invasive medullary thyroid carcinoma. <i>Endocrine-Related Cancer</i> , 2018, 25, 145-162.	1.6	8
77	Integrated systems-genetic analyses reveal a network target for delaying glioma progression. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1616-1638.	1.7	8
78	Influence of APOE Genotype on Mortality and Cognitive Impairment. <i>Journal of Alzheimer's Disease Reports</i> , 2020, 4, 281-286.	1.2	8
79	Primary papillary epithelial tumour of the sella: expanding the spectrum of TTF-1-positive sellar lesions. <i>Neuropathology and Applied Neurobiology</i> , 2020, 46, 493-505.	1.8	8
80	B cell rich meningeal inflammation associates with increased spinal cord pathology in multiple sclerosis. <i>Brain Pathology</i> , 2020, 30, 779-793.	2.1	8
81	The LEGATOS technique: A new tissue-validated dynamic contrast-enhanced MRI method for whole-brain, high-spatial resolution parametric mapping. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2122-2136.	1.9	7
82	Expression of the chondroitin sulphate proteoglycan, NG2, in paediatric brain tumors. <i>Anticancer Research</i> , 2014, 34, 6919-24.	0.5	7
83	Angpt2/Tie2 autostimulatory loop controls tumorigenesis. <i>EMBO Molecular Medicine</i> , 2022, 14, e14364.	3.3	7
84	Rapid early progression (REP) of glioblastoma is an independent negative prognostic factor: Results from a systematic review and meta-analysis. <i>Neuro-Oncology Advances</i> , 2022, 4, .	0.4	7
85	Rare primary non-neuroendocrine tumours of the sella. <i>Diagnostic Histopathology</i> , 2019, 25, 8-15.	0.2	6
86	A Comparative Study of Pathological Outcomes in The University of Manchester Longitudinal Study of Cognition in Normal Healthy Old Age and Brains for Dementia Research Cohorts. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 619-632.	1.2	6
87	Early changes in visuospatial episodic memory can help distinguish primary age-related tauopathy from Alzheimer's disease. <i>Neuropathology and Applied Neurobiology</i> , 2021, 47, 1114-1116.	1.8	6
88	Silent Crooke's cell corticotroph adenoma of the pituitary gland presenting as delayed puberty. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , 2017, 2017, .	0.2	6
89	The Contribution of Vascular Pathology Toward Cognitive Impairment in Older Individuals with Intermediate Braak Stage Tau Pathology. <i>Journal of Alzheimer's Disease</i> , 2020, 77, 1005-1015.	1.2	5
90	Value of Early Post-Operative Growth Hormone Testing in Predicting Long-Term Remission and Residual Disease after Transsphenoidal Surgery for Acromegaly. <i>Neuroendocrinology</i> , 2022, 112, 345-357.	1.2	5

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91	Ectopic Cushing's syndrome secondary to olfactory neuroblastoma. <i>Acta Neurochirurgica</i> , 2018, 160, 1023-1026.	0.9	4
92	Primary epithelial-epithelial carcinoma of the pituitary gland. <i>Neuropathology</i> , 2020, 40, 261-267.	0.7	4
93	Amyloid-PET Positive Patient With bvFTD. <i>Neurology: Clinical Practice</i> , 2021, 11, e952-e955.	0.8	4
94	Telephone Interview for Cognitive Status Scores Associate with Cognitive Impairment and Alzheimer's Disease Pathology at Death. <i>Journal of Alzheimer's Disease</i> , 2021, 84, 609-619.	1.2	4
95	A patient with a germline SDHB mutation presenting with an isolated pituitary macroprolactinoma. <i>Endocrinology, Diabetes and Metabolism Case Reports</i> , 2018, 2018, .	0.2	4
96	Neuropathology of a case of fragile X associated tremor ataxia syndrome without tremor. <i>Neuropathology</i> , 2020, 40, 611-619.	0.7	3
97	Clinical outcomes in an adult patient with mannose phosphate isomerase-congenital disorder of glycosylation who discontinued mannose therapy. <i>Molecular Genetics and Metabolism Reports</i> , 2020, 25, 100646.	0.4	3
98	Primary glomus tumour of the pituitary gland: diagnostic challenges of a rare and potentially aggressive neoplasm. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2021, 478, 977-984.	1.4	3
99	Identification of granulocyte-macrophage colony stimulating factor receptor mRNA by non-isotopic in situ hybridization in bone marrow biopsies. <i>Haematologica</i> , 1994, 79, 322-7.	1.7	3
100	A painful swollen thigh in a diabetic patient: diabetic myonecrosis. <i>Lancet, The</i> , 2014, 383, 1860.	6.3	2
101	Neurosurgical contribution within a complex NF1 supraregional service. <i>Clinical Neurology and Neurosurgery</i> , 2019, 180, 18-24.	0.6	2
102	A challenging case of sporadic melanocytoma of the jugular foramen. <i>Neurochirurgie</i> , 2022, 68, 453-457.	0.6	2
103	The effect of season of birth on brain epigenome-wide DNA methylation of older adults. <i>Journal of Developmental Origins of Health and Disease</i> , 2022, 13, 367-377.	0.7	2
104	Endoscopic transsphenoidal surgery for biochemically and clinically non-functioning adenohypophyseal tumours in the elderly: experience from a single UK centre. <i>Endocrine</i> , 2022, 75, 872-882.	1.1	2
105	An immunoenzyme technique for the identification of granulocyte-macrophage colony-stimulating factor (GM-CSF) receptors using digoxigenated-GM-CSF. <i>Journal of Immunological Methods</i> , 1993, 158, 191-196.	0.6	1
106	Colorectal carcinoma to pituitary tumour: tumour to tumour metastasis. <i>British Journal of Neurosurgery</i> , 2020, , 1-4.	0.4	1
107	OTHR-41. Amplification of the PLAG family genes " PLAGL1 and PLAGL2 " is a key feature of a novel embryonal CNS tumor type. <i>Neuro-Oncology</i> , 2022, 24, i156-i156.	0.6	1
108	A case of Lewy body disease and anaplastic astrocytoma presenting with atypical parkinsonism. <i>Neuropathology</i> , 0, , .	0.7	1

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109	Pan-cerebral sodium elevations in vascular dementia: Evidence for disturbed brain-sodium homeostasis. <i>Frontiers in Aging Neuroscience</i> , 0, 14, .	1.7	1
110	Primary Neurocytoma and Neuroblastoma of the Sella. <i>Encyclopedia of Pathology</i> , 2021, , 1-13.	0.0	0
111	Low-grade adenocarcinoma of endolymphatic sac mimicking jugular paraganglioma at clinical and neuroradiological examination. , 1997, 16, 243-6.		0