

Thomas Tourdias

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

3,458
citations

172207

29
h-index

174990

52
g-index

113
all docs

113
docs citations

113
times ranked

5417
citing authors

#	ARTICLE	IF	CITATIONS
1	DWI-FLAIR mismatch for the identification of patients with acute ischaemic stroke within 4-5 h of symptom onset (PRE-FLAIR): a multicentre observational study. <i>Lancet Neurology</i> , The, 2011, 10, 978-986.	4.9	468
2	Objective Evaluation of Multiple Sclerosis Lesion Segmentation using a Data Management and Processing Infrastructure. <i>Scientific Reports</i> , 2018, 8, 13650.	1.6	171
3	Assessment of White Matter Injury and Outcome in Severe Brain Trauma. <i>Anesthesiology</i> , 2012, 117, 1300-1310.	1.3	133
4	Use of brain diffusion tensor imaging for the prediction of long-term neurological outcomes in patients after cardiac arrest: a multicentre, international, prospective, observational, cohort study. <i>Lancet Neurology</i> , The, 2018, 17, 317-326.	4.9	126
5	Thalamus Optimized Multi Atlas Segmentation (THOMAS): fast, fully automated segmentation of thalamic nuclei from structural MRI. <i>NeuroImage</i> , 2019, 194, 272-282.	2.1	118
6	Visualization of intra-thalamic nuclei with optimized white-matter-nulled MPRAGE at 7T. <i>NeuroImage</i> , 2014, 84, 534-545.	2.1	105
7	Stroke Location Is an Independent Predictor of Cognitive Outcome. <i>Stroke</i> , 2016, 47, 66-73.	1.0	97
8	Aquaporin 4 correlates with apparent diffusion coefficient and hydrocephalus severity in the rat brain: A combined MRI-histological study. <i>NeuroImage</i> , 2009, 47, 659-666.	2.1	93
9	Differential aquaporin 4 expression during edema build-up and resolution phases of brain inflammation. <i>Journal of Neuroinflammation</i> , 2011, 8, 143.	3.1	91
10	Assessment of Disease Activity in Multiple Sclerosis Phenotypes with Combined Gadolinium- and Superparamagnetic Iron Oxide-enhanced MR Imaging. <i>Radiology</i> , 2012, 264, 225-233.	3.6	75
11	MRI features of demyelinating disease associated with anti-MOG antibodies in adults. <i>Journal of Neuroradiology</i> , 2019, 46, 312-318.	0.6	74
12	Optic neuritis in patients with anti-MOG antibodies spectrum disorder: MRI and clinical features from a large multicentric cohort in France. <i>Journal of Neurology</i> , 2017, 264, 2173-2175.	1.8	64
13	Early Fiber Number Ratio Is a Surrogate of Corticospinal Tract Integrity and Predicts Motor Recovery After Stroke. <i>Stroke</i> , 2016, 47, 1053-1059.	1.0	63
14	Hyperintense Vessels on Acute Stroke Fluid-Attenuated Inversion Recovery Imaging. <i>Stroke</i> , 2012, 43, 2957-2961.	1.0	59
15	Posterior lobules of the cerebellum and information processing speed at various stages of multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2017, 88, 146-151.	0.9	52
16	Hippocampal microstructural damage correlates with memory impairment in clinically isolated syndrome suggestive of multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2017, 23, 1214-1224.	1.4	52
17	Thalamic alterations remote to infarct appear as focal iron accumulation and impact clinical outcome. <i>Brain</i> , 2017, 140, 1932-1946.	3.7	50
18	Selective dentate gyrus disruption causes memory impairment at the early stage of experimental multiple sclerosis. <i>Brain, Behavior, and Immunity</i> , 2017, 60, 240-254.	2.0	50

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19	Regional hippocampal vulnerability in early multiple sclerosis: Dynamic pathological spreading from dentate gyrus to CA1. <i>Human Brain Mapping</i> , 2018, 39, 1814-1824.	1.9	49
20	Mismatch Profile Influences Outcome After Mechanical Thrombectomy. <i>Stroke</i> , 2021, 52, 232-240.	1.0	49
21	Endovascular Therapy of Anterior Circulation Tandem Occlusions. <i>Stroke</i> , 2021, 52, 3097-3105.	1.0	48
22	Quantitative Measurements of Relative Fluid-Attenuated Inversion Recovery (FLAIR) Signal Intensities in Acute Stroke for the Prediction of Time from Symptom Onset. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013, 33, 76-84.	2.4	46
23	New OFSEP recommendations for MRI assessment of multiple sclerosis patients: Special consideration for gadolinium deposition and frequent acquisitions. <i>Journal of Neuroradiology</i> , 2020, 47, 250-258.	0.6	46
24	Aquaporin-4 Surface Trafficking Regulates Astrocytic Process Motility and Synaptic Activity in Health and Autoimmune Disease. <i>Cell Reports</i> , 2019, 27, 3860-3872.e4.	2.9	43
25	Deciphering the microstructure of hippocampal subfields with in vivo DTI and NODDI: Applications to experimental multiple sclerosis. <i>NeuroImage</i> , 2018, 172, 357-368.	2.1	40
26	Dynamic modular-level alterations of structural-functional coupling in clinically isolated syndrome. <i>Brain</i> , 2019, 142, 3428-3439.	3.7	40
27	Final Cerebral Infarct Volume Is Predictable by MR Imaging at 1 Week. <i>American Journal of Neuroradiology</i> , 2011, 32, 352-358.	1.2	36
28	Combined Late Gadolinium-Enhanced and Double-Echo Chemical-Shift MRI Help to Differentiate Renal Oncocytomas With High Central T2 Signal Intensity From Renal Cell Carcinomas. <i>American Journal of Roentgenology</i> , 2013, 200, 830-838.	1.0	36
29	Validity of Acute Stroke Lesion Volume Estimation by Diffusion-Weighted Imaging—Alberta Stroke Program Early Computed Tomographic Score Depends on Lesion Location in 496 Patients With Middle Cerebral Artery Stroke. <i>Stroke</i> , 2014, 45, 3583-3588.	1.0	36
30	Optimization of white-matter-nulled magnetization prepared rapid gradient echo (MP-RAGE) imaging. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1786-1794.	1.9	35
31	Multimodal Hippocampal Subfield Grading For Alzheimer's Disease Classification. <i>Scientific Reports</i> , 2019, 9, 13845.	1.6	33
32	Safety and Outcome of Carotid Dissection Stenting During the Treatment of Tandem Occlusions. <i>Stroke</i> , 2020, 51, 3713-3718.	1.0	32
33	In Vivo 7T MR Quantitative Susceptibility Mapping Reveals Opposite Susceptibility Contrast between Cortical and White Matter Lesions in Multiple Sclerosis. <i>American Journal of Neuroradiology</i> , 2016, 37, 1808-1815.	1.2	31
34	MS Lesions Are Better Detected with 3D T1 Gradient-Echo Than with 2D T1 Spin-Echo Gadolinium-Enhanced Imaging at 3T. <i>American Journal of Neuroradiology</i> , 2015, 36, 501-507.	1.2	28
35	Optimization of Magnetization-Prepared 3-Dimensional Fluid Attenuated Inversion Recovery Imaging for Lesion Detection at 7 T. <i>Investigative Radiology</i> , 2014, 49, 290-298.	3.5	27
36	How to trace stem cells for MRI evaluation?. <i>Journal of the Neurological Sciences</i> , 2008, 265, 122-126.	0.3	26

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37	Neuroinflammatory Imaging Biomarkers: Relevance to Multiple Sclerosis and its Therapy. <i>Neurotherapeutics</i> , 2013, 10, 111-123.	2.1	25
38	European Multicenter Study of ET-COVID-19. <i>Stroke</i> , 2021, 52, 31-39.	1.0	25
39	Perfusion Imaging and Clinical Outcome in Acute Ischemic Stroke with Large Core. <i>Annals of Neurology</i> , 2021, 90, 417-427.	2.8	25
40	A systematic comparison of structural-, structural connectivity-, and functional connectivity-based thalamus parcellation techniques. <i>Brain Structure and Function</i> , 2020, 225, 1631-1642.	1.2	25
41	Radiofrequency thermocoagulation of lung tumours. Where we are, where we are headed. <i>Clinical and Translational Oncology</i> , 2009, 11, 28-34.	1.2	24
42	The Influence of Stroke Location on Cognitive and Mood Impairment. A Voxel-Based Lesion-Symptom Mapping Study. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2019, 28, 1236-1242.	0.7	24
43	Normal-Appearing White Matter Integrity Is a Predictor of Outcome After Ischemic Stroke. <i>Stroke</i> , 2020, 51, 449-456.	1.0	24
44	Diagnostic value of bright spotty lesions on MRI after a first episode of acute myelopathy. <i>Journal of Neuroradiology</i> , 2021, 48, 28-36.	0.6	24
45	DeepLesionBrain: Towards a broader deep-learning generalization for multiple sclerosis lesion segmentation. <i>Medical Image Analysis</i> , 2022, 76, 102312.	7.0	24
46	Prognosis and risk factors associated with asymptomatic intracranial hemorrhage after endovascular treatment of large vessel occlusion stroke: a prospective multicenter cohort study. <i>European Journal of Neurology</i> , 2021, 28, 229-237.	1.7	23
47	Multiple sclerosis lesions segmentation from multiple experts: The MICCAI 2016 challenge dataset. <i>NeuroImage</i> , 2021, 244, 118589.	2.1	23
48	What predicts poor outcome after successful thrombectomy in early time window?. <i>Journal of NeuroInterventional Surgery</i> , 2022, 14, 1051-1055.	2.0	23
49	Magnetization Transfer Imaging Shows Tissue Abnormalities in the Reversible Penumbra. <i>Stroke</i> , 2007, 38, 3165-3171.	1.0	22
50	Optic Radiations Microstructural Changes in Glaucoma and Association With Severity: A Study Using 3Tesla-Magnetic Resonance Diffusion Tensor Imaging. , 2016, 57, 6539.		22
51	Improved Vim targeting for focused ultrasound ablation treatment of essential tremor: A probabilistic and patient-specific approach. <i>Human Brain Mapping</i> , 2020, 41, 4769-4788.	1.9	22
52	Thrombectomy Complications in Large Vessel Occlusions: Incidence, Predictors, and Clinical Impact in the ETIS Registry. <i>Stroke</i> , 2021, 52, e764-e768.	1.0	22
53	Complement C3 mediates early hippocampal neurodegeneration and memory impairment in experimental multiple sclerosis. <i>Neurobiology of Disease</i> , 2021, 160, 105533.	2.1	21
54	Structural constraints of functional connectivity drive cognitive impairment in the early stages of multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2021, 27, 559-567.	1.4	20

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55	White-matter-nulled MPRAGE at 7T reveals thalamic lesions and atrophy of specific thalamic nuclei in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2020, 26, 987-992.	1.4	19
56	Pattern separation performance is decreased in patients with early multiple sclerosis. <i>Brain and Behavior</i> , 2017, 7, e00739.	1.0	18
57	LesionBrain: An Online Tool for White Matter Lesion Segmentation. <i>Lecture Notes in Computer Science</i> , 2018, , 95-103.	1.0	17
58	Longitudinal study of functional brain network reorganization in clinically isolated syndrome. <i>Multiple Sclerosis Journal</i> , 2020, 26, 188-200.	1.4	17
59	Local Anesthesia Without Sedation During Thrombectomy for Anterior Circulation Stroke Is Associated With Worse Outcome. <i>Stroke</i> , 2020, 51, 2951-2959.	1.0	16
60	Chronic Cortical Cerebral Microinfarcts Slow Down Cognitive Recovery After Acute Ischemic Stroke. <i>Stroke</i> , 2019, 50, 1430-1436.	1.0	15
61	In vivo high-resolution structural MRI-based atlas of human thalamic nuclei. <i>Scientific Data</i> , 2021, 8, 275.	2.4	15
62	Prediction of Subacute Infarct Size in Acute Middle Cerebral Artery Stroke: Comparison of Perfusion-weighted Imaging and Apparent Diffusion Coefficient Maps. <i>Radiology</i> , 2012, 265, 511-517.	3.6	14
63	Gait Change Is Associated with Cognitive Outcome after an Acute Ischemic Stroke. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 153.	1.7	14
64	Neurodegeneration of the Substantia Nigra after Ipsilateral Infarct: MRI R2* Mapping and Relationship to Clinical Outcome. <i>Radiology</i> , 2019, 291, 438-448.	3.6	13
65	Leptomeningeal enhancement on post-contrast FLAIR images for early diagnosis of Susac syndrome. <i>Multiple Sclerosis Journal</i> , 2022, 28, 189-197.	1.4	13
66	Lesions in deep gray nuclei after severe traumatic brain injury predict neurologic outcome. <i>PLoS ONE</i> , 2017, 12, e0186641.	1.1	12
67	Differential Gray Matter Vulnerability in the 1 Year Following a Clinically Isolated Syndrome. <i>Frontiers in Neurology</i> , 2018, 9, 824.	1.1	12
68	Inter- and intraobserver reliability of five MRI sequences in the evaluation of the final volume of cerebral infarct. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 29, 1280-1284.	1.9	11
69	Exceptional symmetric anterior brainstem involvement in leptomeningeal carcinomatosis. <i>Journal of Neuroradiology</i> , 2014, 41, 279-281.	0.6	11
70	Microstructural analyses of the posterior cerebellar lobules in relapsing-onset multiple sclerosis and their implication in cognitive impairment. <i>PLoS ONE</i> , 2017, 12, e0182479.	1.1	11
71	Multinodular and Vacuolating Posterior Fossa Lesions of Unknown Significance. <i>American Journal of Neuroradiology</i> , 2019, 40, 1689-1694.	1.2	10
72	Cerebral Small Vessel Disease MRI Features Do Not Improve the Prediction of Stroke Outcome. <i>Neurology</i> , 2021, 96, e527-e537.	1.5	10

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73	Acute Ischemic Stroke or Epileptic Seizure? Yield of CT Perfusion in a "Code Stroke" Situation. American Journal of Neuroradiology, 2021, 42, 49-56.	1.2	9
74	Blind MRI Brain Lesion Inpainting Using Deep Learning. Lecture Notes in Computer Science, 2020, , 41-49.	1.0	9
75	Visualization of the saccule and utricle with non-contrast-enhanced FLAIR sequences. European Radiology, 2021, , 1.	2.3	9
76	Adapted focal experimental autoimmune encephalomyelitis to allow MRI exploration of multiple sclerosis features. Experimental Neurology, 2011, 230, 248-257.	2.0	8
77	Hippocampalâ€œamygdalaâ€œventricular atrophy score: Alzheimer disease detection using normative and pathological lifespan models. Human Brain Mapping, 2022, 43, 3270-3282.	1.9	8
78	Cervical Spinal Cord DTI Is Improved by Reduced FOV with Specific Balance between the Number of Diffusion Gradient Directions and Averages. American Journal of Neuroradiology, 2016, 37, 2163-2170.	1.2	7
79	Preliminary evidence of the cerebellar role on cognitive performances in clinically isolated syndrome. Journal of the Neurological Sciences, 2018, 385, 1-6.	0.3	7
80	Acute toxic limbic encephalopathy following glyphosate intoxication. Neurology, 2019, 92, 534-536.	1.5	7
81	Motor evoked potential of upper-limbs is predictive of aphasia recovery. Aphasiology, 2019, 33, 105-120.	1.4	7
82	Delayed Gadolinium Leakage in Ocular Structures. Investigative Radiology, 2021, 56, 425-432.	3.5	7
83	Cerebral mucormycosis: neuroimaging findings and histopathological correlation. Journal of Neurology, 2022, 269, 1386-1395.	1.8	7
84	Admission Brain Cortical Volume. Stroke, 2017, 48, 2113-2120.	1.0	6
85	Combining 3â€²-Deoxy-3â€²-[18F] fluorothymidine and MRI increases the sensitivity of glioma volume detection. Nuclear Medicine Communications, 2019, 40, 1066-1071.	0.5	6
86	CHN1 and duane retraction syndrome: Expanding the phenotype to cranial nerves development disease. European Journal of Medical Genetics, 2021, 64, 104188.	0.7	6
87	Fenestration of the internal carotid artery mimicking floating thrombus on CT and MR angiography. Neurology, 2011, 76, 1846-1846.	1.5	5
88	Extensive acute toxic leukoencephalopathy induced by Fludarabine: Two months follow-up on brain MRI. Journal of Neuroradiology, 2015, 42, 127-130.	0.6	4
89	An unusual case of CSF leak following post-traumatic rupture of a sacral meningeal cyst. Cephalalgia, 2015, 35, 1130-1132.	1.8	4
90	Insights on the Relationship Between Hippocampal Connectivity and Memory Performances at the Early Stage of Multiple Sclerosis. Frontiers in Neurology, 2021, 12, 667531.	1.1	4

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91	Embolization as adjunctive treatment to achieve complete cure of ruptured arachnoid cyst associated with chronic subdural hematoma. <i>British Journal of Neurosurgery</i> , 2023, 37, 104-107.	0.4	4
92	Impact of Prior Antiplatelet Therapy on Outcomes After Endovascular Therapy for Acute Stroke: Endovascular Treatment in Ischemic Stroke Registry Results. <i>Stroke</i> , 2021, 52, 3864-3872.	1.0	4
93	Impact of Strategy on Clinical Outcome in Large Vessel Occlusion Stroke Successfully Reperused: ETIS Registry Results. <i>Stroke</i> , 2022, 53, STROKEAHA121034422.	1.0	4
94	Prevalence, Severity, and Clinical Management of Brain Incidental Findings in Healthy Young Adults: MRI-Share Cross-Sectional Study. <i>Frontiers in Neurology</i> , 2021, 12, 675244.	1.1	3
95	Antiplatelet therapy increases symptomatic ICH risk after thrombolysis and thrombectomy. <i>Acta Neurologica Scandinavica</i> , 2021, 144, 500-508.	1.0	3
96	Active learning strategy and hybrid training for infarct segmentation on diffusion MRI with a U-shaped network. <i>Journal of Medical Imaging</i> , 2019, 6, 1.	0.8	3
97	ASCOD Phenotyping of Stroke With Anterior Large Vessel Occlusion Treated by Mechanical Thrombectomy. <i>Stroke</i> , 2021, 52, e769-e772.	1.0	3
98	Normal-Appearing White Matter Deteriorates over the Year After an Ischemic Stroke and Is Associated with Global Cognition. <i>Translational Stroke Research</i> , 2022, 13, 716-724.	2.3	3
99	Endovascular treatment of ischemic stroke due to isolated internal carotid artery occlusion: ETIS registry data analysis. <i>Journal of Neurology</i> , 2022, , .	1.8	3
100	High B-value diffusion tensor imaging for early detection of hippocampal microstructural alteration in a mouse model of multiple sclerosis. <i>Scientific Reports</i> , 2022, 12, .	1.6	3
101	B type-Bing-Neel syndrome with MRI follow-up: A case report and review of its presentations. <i>Journal of Neuroradiology</i> , 2014, 41, 362-365.	0.6	2
102	Impact of Lesion Load Thresholds on Alberta Stroke Program Early Computed Tomographic Score in Diffusion-Weighted Imaging. <i>Frontiers in Neurology</i> , 2018, 9, 273.	1.1	2
103	Severity of Small Vessel Disease Biomarkers Reduces the Magnitude of Cognitive Recovery after Ischemic Stroke. <i>Cerebrovascular Diseases</i> , 2021, 50, 456-463.	0.8	2
104	Successful thrombectomy is beneficial in patients with pre-stroke disability: Results from an international multicenter cohort study. <i>Journal of Neuroradiology</i> , 2023, 50, 59-64.	0.6	2
105	Microstructural Gray Matter Integrity Deteriorates After an Ischemic Stroke and Is Associated with Processing Speed. <i>Translational Stroke Research</i> , 2023, 14, 185-192.	2.3	2
106	Chronic inflammatory demyelinating polyradiculoneuropathyâ€causing myelopathy. <i>Muscle and Nerve</i> , 2018, 57, E102-E103.	1.0	1
107	Brain imaging determinants of functional prognosis after severe endocarditis: a multicenter observational study. <i>Neurological Sciences</i> , 2022, 43, 3759-3768.	0.9	1
108	Altered functional brain states predict cognitive decline 5â€%years after a clinically isolated syndrome. <i>Multiple Sclerosis Journal</i> , 0, , 135245852211014.	1.4	1

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109	An unusual cause of spinal cord compression. Journal of Clinical Neuroscience, 2018, 57, 165-166.	0.8	0