

# Markus D Schirmer

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

778  
citations

471509

17  
h-index

610901

24  
g-index

60  
all docs

60  
docs citations

60  
times ranked

1008  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomedical applications of a real-time terahertz color scanner. <i>Biomedical Optics Express</i> , 2010, 1, 354.	2.9	56
2	Big Data Approaches to Phenotyping Acute Ischemic Stroke Using Automated Lesion Segmentation of Multi-Center Magnetic Resonance Imaging Data. <i>Stroke</i> , 2019, 50, 1734-1741.	2.0	52
3	Outcome after acute ischemic stroke is linked to sex-specific lesion patterns. <i>Nature Communications</i> , 2021, 12, 3289.	12.8	50
4	White matter hyperintensity quantification in large-scale clinical acute ischemic stroke cohorts – The MRI-GENIE study. <i>NeuroImage: Clinical</i> , 2019, 23, 101884.	2.7	48
5	Abnormal dynamic functional connectivity is linked to recovery after acute ischemic stroke. <i>Human Brain Mapping</i> , 2021, 42, 2278-2291.	3.6	40
6	Design and rationale for examining neuroimaging genetics in ischemic stroke. <i>Neurology: Genetics</i> , 2017, 3, e180.	1.9	35
7	White matter hyperintensity burden in acute stroke patients differs by ischemic stroke subtype. <i>Neurology</i> , 2020, 95, e79-e88.	1.1	34
8	Spatial Signature of White Matter Hyperintensities in Stroke Patients. <i>Frontiers in Neurology</i> , 2019, 10, 208.	2.4	33
9	Relation Between Sex, Menopause, and White Matter Hyperintensities. <i>Neurology</i> , 2022, 99, .	1.1	31
10	Characterising brain network topologies: A dynamic analysis approach using heat kernels. <i>NeuroImage</i> , 2016, 141, 490-501.	4.2	29
11	Infarct Growth despite Endovascular Thrombectomy Recanalization in Large Vessel Occlusive Stroke. <i>Journal of Neuroimaging</i> , 2021, 31, 155-164.	2.0	29
12	Detailed phenotyping of posterior vs. anterior circulation ischemic stroke: a multi-center MRI study. <i>Journal of Neurology</i> , 2020, 267, 649-658.	3.6	28
13	White Matter Acute Infarct Volume After Thrombectomy for Anterior Circulation Large Vessel Occlusion Stroke is Associated with Long Term Outcomes. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2021, 30, 105567.	1.6	28
14	Multi-atlas image registration of clinical data with automated quality assessment using ventricle segmentation. <i>Medical Image Analysis</i> , 2020, 63, 101698.	11.6	25
15	Brain Connectivity Measures Improve Modeling of Functional Outcome After Acute Ischemic Stroke. <i>Stroke</i> , 2019, 50, 2761-2767.	2.0	24
16	Rich-Club Organization: An Important Determinant of Functional Outcome After Acute Ischemic Stroke. <i>Frontiers in Neurology</i> , 2019, 10, 956.	2.4	23
17	<sup>68</sup> Ga-NODAGA-Indole: An Allylsine-Reactive Positron Emission Tomography Probe for Molecular Imaging of Pulmonary Fibrogenesis. <i>Journal of the American Chemical Society</i> , 2019, 141, 5593-5596.	13.7	23
18	Peak Width of Skeletonized Mean Diffusivity as Neuroimaging Biomarker in Cerebral Amyloid Angiopathy. <i>American Journal of Neuroradiology</i> , 2021, 42, 875-881.	2.4	21

#	ARTICLE	IF	CITATIONS
19	Brain Volume: An Important Determinant of Functional Outcome After Acute Ischemic Stroke. Mayo Clinic Proceedings, 2020, 95, 955-965.	3.0	18
20	Neuropsychiatric disease classification using functional connectomics - results of the connectomics in neuroimaging transfer learning challenge. Medical Image Analysis, 2021, 70, 101972.	11.6	17
21	MRI Radiomic Signature of White Matter Hyperintensities Is Associated With Clinical Phenotypes. Frontiers in Neuroscience, 2021, 15, 691244.	2.8	12
22	Association of Stroke Lesion Pattern and White Matter Hyperintensity Burden With Stroke Severity and Outcome. Neurology, 2022, 99, .	1.1	12
23	Excessive White Matter Hyperintensity Increases Susceptibility to Poor Functional Outcomes After Acute Ischemic Stroke. Frontiers in Neurology, 2021, 12, 700616.	2.4	11
24	Effective Reserve: A Latent Variable to Improve Outcome Prediction in Stroke. Journal of Stroke and Cerebrovascular Diseases, 2019, 28, 63-69.	1.6	10
25	Predictors for Late Post-Intracerebral Hemorrhage Dementia in Patients with Probable Cerebral Amyloid Angiopathy. Journal of Alzheimer's Disease, 2019, 71, 435-442.	2.6	9
26	Network structural dependency in the human connectome across the life-span. Network Neuroscience, 2019, 3, 792-806.	2.6	9
27	Sex-specific lesion pattern of functional outcomes after stroke. Brain Communications, 2022, 4, fcac020.	3.3	8
28	A flexible graphical model for multi-modal parcellation of the cortex. NeuroImage, 2017, 162, 226-248.	4.2	7
29	Journal Club: Flortetapir imaging in cerebral amyloid angiopathy-related hemorrhages. Neurology, 2018, 91, 574-577.	1.1	7
30	Effects of White Matter Hyperintensities on 90-Day Functional Outcome after Large Vessel and Non-Large Vessel Stroke. Cerebrovascular Diseases, 2020, 49, 419-426.	1.7	7
31	Structural Subnetwork Evolution Across the Life-Span: Rich-Club, Feeder, Seeder. Lecture Notes in Computer Science, 2018, , 136-145.	1.3	6
32	GraMPa: Graph-Based Multi-modal Parcellation of the Cortex Using Fusion Moves. Lecture Notes in Computer Science, 2016, , 148-156.	1.3	6
33	Diffusion-Weighted Imaging, MR Angiography, and Baseline Data in a Systematic Multicenter Analysis of 3,301 MRI Scans of Ischemic Stroke Patientsâ€™ Neuroradiological Review Within the MRI-GENIE Study. Frontiers in Neurology, 2020, 11, 577.	2.4	5
34	Real-Time Two-Dimensional Spatiotemporal Terahertz Imaging Based on Noncollinear Free-Space Electrooptic Sampling and Application to Functional Terahertz Imaging of Moving Object. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 8600110-8600110.	2.9	4
35	Heat Kernels with Functional Connectomes Reveal Atypical Energy Transport in Peripheral Subnetworks in Autism. Lecture Notes in Computer Science, 2019, , 54-63.	1.3	3
36	Abstract 10: Radiomic Signature of the White Matter Hyperintensity Burden Correlates With Clinical Phenotypes. Stroke, 2021, 52, .	2.0	2

#	ARTICLE	IF	CITATIONS
37	Endovascular Treatment for Acute Stroke in Cerebral Amyloid Angiopathy. Stroke, 2021, 52, e581-e585.	2.0	2
38	Normalisation of Neonatal Brain Network Measures Using Stochastic Approaches. Lecture Notes in Computer Science, 2013, 16, 574-581.	1.3	2
39	Patient-Specific Conditional Joint Models of Shape, Image Features and Clinical Indicators. Lecture Notes in Computer Science, 2019, 11767, 93-101.	1.3	2
40	Network Dependency Index Stratified Subnetwork Analysis of Functional Connectomes: An Application to Autism. Lecture Notes in Computer Science, 2019, , 126-137.	1.3	1
41	Notice of Removal: Automated super-resolution image processing in ultrasound using machine learning. , 2017, , .		0
42	Abstract MP16: Excessive White Matter Hyperintensity Burden and Functional Outcomes After Acute Ischemic Stroke. Stroke, 2021, 52, .	2.0	0
43	Abstract P613: Genetic Risk of Vascular Risk Factors and Severity of Leukoaraiosis in Patients With Ischemic Stroke: The MRI-GENIE Study. Stroke, 2021, 52, .	2.0	0
44	Abstract P317: White Matter Hyperintensity Lesion Burden Modulates Functional Outcome After Acute Ischemic Stroke. Stroke, 2021, 52, .	2.0	0
45	Abstract P323: Stroke Lesion Pattern-Specific Influence of White Matter Hyperintensities on Stroke Severity in Acute Ischemic Stroke. Stroke, 2021, 52, .	2.0	0
46	Abstract WMP56: Genetics of Acute Ischemic Lesion Volume: the MRI-Genetics Interface Exploration (MRI-GENIE) Study. Stroke, 2018, 49, .	2.0	0
47	Abstract 28: Genetic Variants From Lysine-Specific Demethylase 4C (KDM4C) Associated With White Matter Hyperintensity Burden in Ischemic Stroke Patients. Stroke, 2020, 51, .	2.0	0
48	L'usage cérébral radiomique prédit le pronostic fonctionnel après un AVC ischémique.. Journal of Neuroradiology, 2022, 49, 110-111.	1.1	0