

# Bastian Cheng

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8346378/publications.pdf>

Version: 2024-02-01

122  
papers

4,296  
citations

159585

30  
h-index

128289

60  
g-index

135  
all docs

135  
docs citations

135  
times ranked

5034  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Evaluation of Cerebral Hemodynamics and Oxygen Metabolism in Revascularization of Asymptomatic High-Grade Carotid Stenosis. <i>Clinical Neuroradiology</i> , 2022, 32, 163-173.	1.9	3
2	Treatment-Relevant Findings in Transesophageal Echocardiography After Stroke: A Prospective Multicenter Cohort Study. <i>Stroke</i> , 2022, 53, 177-184.	2.0	9
3	Quantitative Lesion Water Uptake as Stroke Imaging Biomarker: A Tool for Treatment Selection in the Extended Time Window?. <i>Stroke</i> , 2022, 53, 201-209.	2.0	10
4	Estimating nocturnal stroke onset times by magnetic resonance imaging in the WAKE-UP trial. <i>International Journal of Stroke</i> , 2022, 17, 323-330.	5.9	5
5	Cerebral Microbleeds and Treatment Effect of Intravenous Thrombolysis in Acute Stroke. <i>Neurology</i> , 2022, 98, .	1.1	19
6	Multi-organ assessment in mainly non-hospitalized individuals after SARS-CoV-2 infection: The Hamburg City Health Study COVID programme. <i>European Heart Journal</i> , 2022, 43, 1124-1137.	2.2	111
7	OUP accepted manuscript. <i>Cerebral Cortex</i> , 2022, , .	2.9	10
8	Fixel based analysis of white matter alterations in early stage cerebral small vessel disease. <i>Scientific Reports</i> , 2022, 12, 1581.	3.3	15
9	Diffusion-Weighted Imaging and Fluid-Attenuated Inversion Recovery Quantification to Predict Diffusion-Weighted Imaging-Fluid-Attenuated Inversion Recovery Mismatch Status in Ischemic Stroke With Unknown Onset. <i>Stroke</i> , 2022, 53, 1665-1673.	2.0	4
10	Brain network topology early after stroke relates to recovery. <i>Brain Communications</i> , 2022, 4, fcac049.	3.3	4
11	Association of Age and Structural Brain Changes With Functional Connectivity and Executive Function in a Middle-Aged to Older Population-Based Cohort. <i>Frontiers in Aging Neuroscience</i> , 2022, 14, 782738.	3.4	8
12	Equalization of Brain State Occupancy Accompanies Cognitive Impairment in Cerebral Small Vessel Disease. <i>Biological Psychiatry</i> , 2022, 92, 592-602.	1.3	7
13	Association of COVID-19 with Intracranial Hemorrhage during Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome: A 10-Year Retrospective Observational Study. <i>Journal of Clinical Medicine</i> , 2022, 11, 28.	2.4	8
14	Free-water diffusion MRI detects structural alterations surrounding white matter hyperintensities in the early stage of cerebral small vessel disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, , 0271678X2210935.	4.3	11
15	Intrinsic functional brain connectivity is resilient to chronic hypoperfusion caused by unilateral carotid artery stenosis. <i>NeuroImage: Clinical</i> , 2022, 34, 103014.	2.7	1
16	New remote cerebral microbleeds in acute ischemic stroke: an analysis of the randomized, placebo-controlled WAKE-UP trial. <i>Journal of Neurology</i> , 2022, 269, 5660-5667.	3.6	1
17	Association of stroke lesion shape with newly detected atrial fibrillation “ Results from the MonDAFIS study. <i>European Stroke Journal</i> , 2022, 7, 230-237.	5.5	2
18	Intrakranielle Blutungen während extrakorporaler Membranoxygenierung zur Therapie schweren ARDS “ eine retrospektive Kohortenstudie bei Patienten mit ohne COVID-19-assoziiertem ARDS. <i>Pneumologie</i> , 2022, , .	0.1	0

#	ARTICLE	IF	CITATIONS
19	Linking cortical atrophy to white matter hyperintensities of presumed vascular origin. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1682-1691.	4.3	18
20	Ischemic lesion water homeostasis after thrombectomy for large vessel occlusion stroke within the anterior circulation: The impact of age. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 45-52.	4.3	17
21	Polypharmacy, functional outcome and treatment effect of intravenous alteplase for acute ischaemic stroke. <i>European Journal of Neurology</i> , 2021, 28, 532-539.	3.3	4
22	White matter integrity and structural brain network topology in cerebral small vessel disease: The Hamburg city health study. <i>Human Brain Mapping</i> , 2021, 42, 1406-1415.	3.6	20
23	Game-theoretical mapping of fundamental brain functions based on lesion deficits in acute stroke. <i>Brain Communications</i> , 2021, 3, fcab204.	3.3	5
24	Effect of intravenous alteplase on post-stroke depression in the WAKE UP trial. <i>European Journal of Neurology</i> , 2021, 28, 2017-2025.	3.3	5
25	Association of lipid levels with motor and cognitive function and decline in advanced Parkinson's disease in the Mark-PD study. <i>Parkinsonism and Related Disorders</i> , 2021, 85, 5-10.	2.2	10
26	Functional connectivity changes in cerebral small vessel disease - a systematic review of the resting-state MRI literature. <i>BMC Medicine</i> , 2021, 19, 103.	5.5	24
27	Preserved structural connectivity mediates the clinical effect of thrombolysis in patients with anterior-circulation stroke. <i>Nature Communications</i> , 2021, 12, 2590.	12.8	14
28	Impact of intravenous alteplase on sub-angiographic emboli in high-resolution diffusion-weighted imaging following successful thrombectomy. <i>European Radiology</i> , 2021, 31, 8228-8235.	4.5	6
29	Hyperintense acute reperfusion marker associated with hemorrhagic transformation in the WAKE-UP trial. <i>European Stroke Journal</i> , 2021, 6, 128-133.	5.5	3
30	Influence of stroke infarct location on quality of life assessed in a multivariate lesion-symptom mapping study. <i>Scientific Reports</i> , 2021, 11, 13490.	3.3	6
31	24-hour blood pressure variability and treatment effect of intravenous alteplase in acute ischaemic stroke. <i>European Stroke Journal</i> , 2021, 6, 168-175.	5.5	2
32	Reversible Edema in the Penumbra Correlates With Severity of Hypoperfusion. <i>Stroke</i> , 2021, 52, 2338-2346.	2.0	3
33	White matter degeneration revealed by fiber-specific analysis relates to recovery of hand function after stroke. <i>Human Brain Mapping</i> , 2021, 42, 5423-5432.	3.6	8
34	Corticospinal Tract Microstructure Correlates With Beta Oscillatory Activity in the Primary Motor Cortex After Stroke. <i>Stroke</i> , 2021, 52, 3839-3847.	2.0	3
35	Serious Adverse Events and Their Impact on Functional Outcome in Acute Ischemic Stroke in the WAKE-UP Trial. <i>Stroke</i> , 2021, 52, 3768-3776.	2.0	3
36	Grey and white matter network disruption is associated with sensory deficits after stroke. <i>NeuroImage: Clinical</i> , 2021, 31, 102698.	2.7	6

#	ARTICLE	IF	CITATIONS
37	Cortical atrophy and transcallosal diaschisis following isolated subcortical stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 611-621.	4.3	38
38	Clinical Characteristics and Outcome of Patients with Lacunar Infarcts and Concurrent Embolic Ischemic Lesions. <i>Clinical Neuroradiology</i> , 2020, 30, 511-516.	1.9	3
39	Normalization of reduced functional connectivity after revascularization of asymptomatic carotid stenosis. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1838-1848.	4.3	13
40	Quantitative Signal Intensity in Fluid-Attenuated Inversion Recovery and Treatment Effect in the WAKE-UP Trial. <i>Stroke</i> , 2020, 51, 209-215.	2.0	18
41	Higher white matter hyperintensity lesion load is associated with reduced long-range functional connectivity. <i>Brain Communications</i> , 2020, 2, fcaa111.	3.3	16
42	Safety and efficacy of intravenous thrombolysis in stroke patients on prior antiplatelet therapy in the WAKE-UP trial. <i>Neurological Research and Practice</i> , 2020, 2, 40.	2.0	7
43	Symptoms and probabilistic anatomical mapping of lacunar infarcts. <i>Neurological Research and Practice</i> , 2020, 2, 21.	2.0	2
44	Clinical Characteristics and Outcome of Patients With Hemorrhagic Transformation After Intravenous Thrombolysis in the WAKE-UP Trial. <i>Frontiers in Neurology</i> , 2020, 11, 957.	2.4	24
45	Intravenous alteplase for stroke with unknown time of onset guided by advanced imaging: systematic review and meta-analysis of individual patient data. <i>Lancet, The</i> , 2020, 396, 1574-1584.	13.7	107
46	Effect of Balloon Guide Catheter Utilization on the Incidence of Sub-angiographic Peripheral Emboli on High-Resolution DWI After Thrombectomy: A Prospective Observational Study. <i>Frontiers in Neurology</i> , 2020, 11, 386.	2.4	15
47	Network Localisation of White Matter Damage in Cerebral Small Vessel Disease. <i>Scientific Reports</i> , 2020, 10, 9210.	3.3	28
48	Structural brain networks and functional motor outcome after stroke—a prospective cohort study. <i>Brain Communications</i> , 2020, 2, fcaa001.	3.3	33
49	Different Mismatch Concepts for Magnetic Resonance Imaging-Guided Thrombolysis in Unknown Onset Stroke. <i>Annals of Neurology</i> , 2020, 87, 931-938.	5.3	24
50	Extent of FLAIR Hyperintense Vessels May Modify Treatment Effect of Thrombolysis: A Post hoc Analysis of the WAKE-UP Trial. <i>Frontiers in Neurology</i> , 2020, 11, 623881.	2.4	6
51	Sub-angiographic peripheral emboli in high resolution DWI after endovascular recanalization. <i>Journal of Neurology</i> , 2020, 267, 1401-1406.	3.6	10
52	Akuttherapie. , 2020, , 131-147.		0
53	Cortical thickness and cognitive performance in asymptomatic unilateral carotid artery stenosis. <i>BMC Cardiovascular Disorders</i> , 2019, 19, 154.	1.7	14
54	Low-Frequency Brain Oscillations Track Motor Recovery in Human Stroke. <i>Annals of Neurology</i> , 2019, 86, 853-865.	5.3	39

#	ARTICLE	IF	CITATIONS
55	Altered topology of large-scale structural brain networks in chronic stroke. <i>Brain Communications</i> , 2019, 1, fcz020.	3.3	21
56	Total mismatch in diffusion negative patients in the WAKE-UP trial. <i>International Journal of Stroke</i> , 2019, 14, NP20-NP22.	5.9	3
57	Post-hoc Analysis of Outcome of Intravenous Thrombolysis in Infarcts of Infratentorial Localization in the WAKE-UP Trial. <i>Frontiers in Neurology</i> , 2019, 10, 983.	2.4	3
58	Stroke Lesion Segmentation in FLAIR MRI Datasets Using Customized Markov Random Fields. <i>Frontiers in Neurology</i> , 2019, 10, 541.	2.4	30
59	Functional Outcome of Intravenous Thrombolysis in Patients With Lacunar Infarcts in the WAKE-UP Trial. <i>JAMA Neurology</i> , 2019, 76, 641.	9.0	63
60	Characterization of White Matter Hyperintensities in Large-Scale MRI-Studies. <i>Frontiers in Neurology</i> , 2019, 10, 238.	2.4	71
61	Dynamics of brain perfusion and cognitive performance in revascularization of carotid artery stenosis. <i>NeuroImage: Clinical</i> , 2019, 22, 101779.	2.7	36
62	Prefrontal-Premotor Pathways and Motor Output in Well-Recovered Stroke Patients. <i>Frontiers in Neurology</i> , 2019, 10, 105.	2.4	13
63	Somatosensory Deficits After Ischemic Stroke. <i>Stroke</i> , 2019, 50, 1116-1123.	2.0	78
64	Data Pooling and Sampling of Heterogeneous Image Data for White Matter Hyperintensity Segmentation. <i>Lecture Notes in Computer Science</i> , 2019, , 86-94.	1.3	0
65	Automated DWI analysis can identify patients within the thrombolysis time window of 4.5 hours. <i>Neurology</i> , 2018, 90, e1570-e1577.	1.1	8
66	Clinical characteristics of unknown symptom onset stroke patients with and without diffusion-weighted imaging and fluid-attenuated inversion recovery mismatch. <i>International Journal of Stroke</i> , 2018, 13, 66-73.	5.9	5
67	White Matter Microstructure of the Human Mirror Neuron System is Related to Symptom Severity in Adults with Autism. <i>Journal of Autism and Developmental Disorders</i> , 2018, 48, 417-429.	2.7	3
68	Association of Extrapyramidal Tracts' Integrity With Performance in Fine Motor Skills After Stroke. <i>Stroke</i> , 2018, 49, 2928-2932.	2.0	12
69	Functional network connectivity is altered in patients with upper limb somatosensory impairments in the acute phase post stroke: A cross-sectional study. <i>PLoS ONE</i> , 2018, 13, e0205693.	2.5	18
70	The role of functional and structural interhemispheric auditory connectivity for language lateralization - A combined EEG and DTI study. <i>Scientific Reports</i> , 2018, 8, 15428.	3.3	16
71	Parietofrontal network upregulation after motor stroke. <i>NeuroImage: Clinical</i> , 2018, 18, 720-729.	2.7	36
72	Homogeneous application of imaging criteria in a multicenter trial supported by investigator training: A report from the WAKE-UP study. <i>European Journal of Radiology</i> , 2018, 104, 115-119.	2.6	2

#	ARTICLE	IF	CITATIONS
73	MRI-Guided Thrombolysis for Stroke with Unknown Time of Onset. <i>New England Journal of Medicine</i> , 2018, 379, 611-622.	27.0	912
74	Clinical Outcome of Isolated Cerebellar Stroke—A Prospective Observational Study. <i>Frontiers in Neurology</i> , 2018, 9, 580.	2.4	12
75	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.	2.4	2
76	Is There Full or Proportional Somatosensory Recovery in the Upper Limb After Stroke? Investigating Behavioral Outcome and Neural Correlates. <i>Neurorehabilitation and Neural Repair</i> , 2018, 32, 691-700.	2.9	20
77	Exploring DeepMedic for the purpose of segmenting white matter hyperintensity lesions. , 2018, , .		0
78	Cortico-Cerebellar Structural Connectivity Is Related to Residual Motor Output in Chronic Stroke. <i>Cerebral Cortex</i> , 2017, 27, bhv251.	2.9	56
79	Automatic classification of cardioembolic and arteriosclerotic ischemic strokes from apparent diffusion coefficient datasets using texture analysis and deep learning. , 2017, , .		0
80	Stroke With Unknown Time of Symptom Onset. <i>Stroke</i> , 2017, 48, 770-773.	2.0	51
81	Silent Brain Infarctions and Leukoaraiosis in Patients With Retinal Ischemia. <i>Stroke</i> , 2017, 48, 1392-1396.	2.0	37
82	Hypointense Vessels Detected by Susceptibility-Weighted Imaging Identifies Tissue at Risk of Infarction in Anterior Circulation Stroke. <i>Journal of Neuroimaging</i> , 2017, 27, 414-420.	2.0	4
83	Effect of informed consent on patient characteristics in a stroke thrombolysis trial. <i>Neurology</i> , 2017, 89, 1400-1407.	1.1	17
84	Altered topology of structural brain networks in patients with Gilles de la Tourette syndrome. <i>Scientific Reports</i> , 2017, 7, 10606.	3.3	9
85	Reduced rich-club connectivity is related to disability in primary progressive MS. <i>Neurology: Neuroimmunology and Neuroinflammation</i> , 2017, 4, e375.	6.0	23
86	Stroke subtype classification by geometrical descriptors of lesion shape. <i>PLoS ONE</i> , 2017, 12, e0185063.	2.5	10
87	Technical considerations of a game-theoretical approach for lesion symptom mapping. <i>BMC Neuroscience</i> , 2016, 17, 40.	1.9	7
88	Voxel-based lesion-symptom mapping of stroke lesions underlying somatosensory deficits. <i>NeuroImage: Clinical</i> , 2016, 10, 257-266.	2.7	88
89	Beyond cost function masking: RPCA-based non-linear registration in the context of VLSM. , 2016, , .		3
90	Enhanced Effective Connectivity Between Primary Motor Cortex and Intraparietal Sulcus in Well-Recovered Stroke Patients. <i>Stroke</i> , 2016, 47, 482-489.	2.0	61

#	ARTICLE	IF	CITATIONS
91	Modeling of Large-Scale Functional Brain Networks Based on Structural Connectivity from DTI: Comparison with EEG Derived Phase Coupling Networks and Evaluation of Alternative Methods along the Modeling Path. PLoS Computational Biology, 2016, 12, e1005025.	3.2	90
92	P109. Parietofrontal motor pathways and their association with motor function after stroke. Clinical Neurophysiology, 2015, 126, e102.	1.5	0
93	Mapping causal functional contributions derived from the clinical assessment of brain damage after stroke. NeuroImage: Clinical, 2015, 9, 83-94.	2.7	29
94	Structural Plasticity of Remote Cortical Brain Regions is Determined by Connectivity to the Primary Lesion in Subcortical Stroke. Journal of Cerebral Blood Flow and Metabolism, 2015, 35, 1507-1514.	4.3	46
95	Stroke Lesion Volumes and Outcome Are Not Different in Hemispheric Stroke Side Treated With Intravenous Thrombolysis Based on Magnetic Resonance Imaging Criteria. Stroke, 2015, 46, 1004-1008.	2.0	9
96	Parietofrontal motor pathways and their association with motor function after stroke. Brain, 2015, 138, 1949-1960.	7.6	94
97	Premotor-motor excitability is altered in dopa-responsive dystonia. Movement Disorders, 2015, 30, 1705-1709.	3.9	14
98	Multiclass Support Vector Machine-Based Lesion Mapping Predicts Functional Outcome in Ischemic Stroke Patients. PLoS ONE, 2015, 10, e0129569.	2.5	39
99	Sensitivity of Hyperdense Basilar Artery Sign on Non-Enhanced Computed Tomography. PLoS ONE, 2015, 10, e0141096.	2.5	11
100	Evolution of brain activation after stroke in a constant-effort versus constant-output motor task. Restorative Neurology and Neuroscience, 2015, 33, 845-64.	0.7	12
101	Visual and Region of Interest-Based Inter-Rater Agreement in the Assessment of the Diffusion-Weighted Imaging Fluid-Attenuated Inversion Recovery Mismatch. Stroke, 2014, 45, 1170-1172.	2.0	33
102	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. Stroke, 2014, 45, 3583-3588.	2.0	36
103	Influence of Stroke Infarct Location on Functional Outcome Measured by the Modified Rankin Scale. Stroke, 2014, 45, 1695-1702.	2.0	193
104	Impact of Severe Extracranial ICA Stenosis on MRI Perfusion and Diffusion Parameters in Acute Ischemic Stroke. Frontiers in Neurology, 2014, 5, 254.	2.4	10
105	Altered intrahemispheric structural connectivity in Gilles de la Tourette syndrome. NeuroImage: Clinical, 2014, 4, 174-181.	2.7	60
106	A Multicenter, Randomized, Double-Blind, Placebo-Controlled Trial to Test Efficacy and Safety of Magnetic Resonance Imaging-Based Thrombolysis in Wake-up Stroke (WAKE-UP). International Journal of Stroke, 2014, 9, 829-836.	5.9	130
107	ANTONIA Perfusion and Stroke. Methods of Information in Medicine, 2014, 53, 469-481.	1.2	62
108	The Extent of Perfusion Deficit Does Not Relate to the Visibility of Acute Ischemic Lesions on Fluid-Attenuated Inversion Recovery Imaging. Journal of Neuroimaging, 2013, 23, 215-218.	2.0	4

#	ARTICLE	IF	CITATIONS
109	Early infarct <sc>FLAIR</sc> hyperintensity is associated with increased hemorrhagic transformation after thrombolysis. <i>European Journal of Neurology</i> , 2013, 20, 281-285.	3.3	30
110	Comparison of 10 TTP and Tmax Estimation Techniques for MR Perfusion-Diffusion Mismatch Quantification in Acute Stroke. <i>American Journal of Neuroradiology</i> , 2013, 34, 1697-1703.	2.4	43
111	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.	4.3	46
112	Predictors of Periprocedural Brain Lesions Associated with Carotid Stenting. <i>Cerebrovascular Diseases</i> , 2012, 33, 30-36.	1.7	23
113	Hyperintense Vessels on Acute Stroke Fluid-Attenuated Inversion Recovery Imaging. <i>Stroke</i> , 2012, 43, 2957-2961.	2.0	59
114	Outcome of MRI-based intravenous thrombolysis in carotid-T occlusion. <i>Journal of Neurology</i> , 2012, 259, 2141-2146.	3.6	8
115	Dynamics of Regional Distribution of Ischemic Lesions in Middle Cerebral Artery Trunk Occlusion Relates to Collateral Circulation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011, 31, 36-40.	4.3	30
116	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.	10.2	468
117	Pretreatment Diffusion-Weighted Imaging Lesion Volume Predicts Favorable Outcome After Intravenous Thrombolysis With Tissue-Type Plasminogen Activator in Acute Ischemic Stroke. <i>Stroke</i> , 2011, 42, 1251-1254.	2.0	50
118	Carotid Plaque Surface Irregularity Predicts Cerebral Embolism during Carotid Artery Stenting. <i>Cerebrovascular Diseases</i> , 2011, 32, 163-169.	1.7	16
119	Older Age and Greater Carotid Intima-Media Thickness Predict Ischemic Events Associated with Carotid-Artery Stenting. <i>Cerebrovascular Diseases</i> , 2010, 30, 567-572.	1.7	23
120	High-resolution myocardial perfusion imaging at 3ÅT: comparison to 1.5ÅT in healthy volunteers. <i>European Radiology</i> , 2007, 17, 1829-1835.	4.5	18
121	Overtraining following intensified training with normal muscle glycogen. <i>Medicine and Science in Sports and Exercise</i> , 1995, 27, 1063-1070.	0.4	84
122	Association of White Blood Cell Count With Clinical Outcome Independent of Treatment With Alteplase in Acute Ischemic Stroke. <i>Frontiers in Neurology</i> , 0, 13, .	2.4	3