Karsten Wrede

List of Publications by Year in descending order

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		201674	254184
128	2,518	27	43
papers	citations	h-index	g-index
133	133	133	3335
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Molecular Classification of Low-Grade Diffuse Gliomas. American Journal of Pathology, 2010, 177, 2708-2714.	3.8	218
2	Direct Posterior Reduction and Fixation for the Treatment of Basilar Invagination With Atlantoaxial Dislocation. Neurosurgery, 2010, 66, 678-687.	1.1	158
3	Non-invasive tumor decoding and phenotyping of cerebral gliomas utilizing multiparametric 18F-FET PET-MRI and MR Fingerprinting. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 1435-1445.	6.4	85
4	Alterations in functional connectivity of resting state networks during experimental endotoxemia – An exploratory study in healthy men. Brain, Behavior, and Immunity, 2016, 54, 17-26.	4.1	71
5	Risk Factors for and Clinical Consequences of Multiple Intracranial Aneurysms. Stroke, 2018, 49, 848-855.	2.0	66
6	The <scp>CHESS</scp> score: a simple tool for early prediction of shunt dependency after aneurysmal subarachnoid hemorrhage. European Journal of Neurology, 2016, 23, 912-918.	3.3	65
7	The clinical features and treatment of pediatric intracranial aneurysm. Child's Nervous System, 2009, 25, 317-324.	1.1	64
8	The venous angioarchitecture of sporadic cerebral cavernous malformations: a susceptibility weighted imaging study at 7 T MRI. Journal of Neurology, Neurosurgery and Psychiatry, 2013, 84, 194-200.	1.9	53
9	Aneurysm remnant after clipping: the risks and consequences. Journal of Neurosurgery, 2016, 125, 1249-1255.	1.6	53
10	Correlation of the venous angioarchitecture of multiple cerebral cavernous malformations with familial or sporadic disease: a susceptibility-weighted imaging study with 7-Tesla MRI. Journal of Neurosurgery, 2017, 126, 570-577.	1.6	52
11	Patient acceptance of awake craniotomy. Clinical Neurology and Neurosurgery, 2011, 113, 880-884.	1.4	40
12	Non-Enhanced MR Imaging of Cerebral Aneurysms: 7 Tesla versus 1.5 Tesla. PLoS ONE, 2014, 9, e84562.	2. 5	40
13	Wall Contrast Enhancement of Thrombosed Intracranial Aneurysms at 7T MRI. American Journal of Neuroradiology, 2019, 40, 1106-1111.	2.4	40
14	Diffuse Axonal Injury at Ultra-High Field MRI. PLoS ONE, 2015, 10, e0122329.	2.5	40
15	Caudal Image Contrast Inversion in MPRAGE at 7 Tesla. Academic Radiology, 2012, 19, 172-178.	2.5	38
16	Evaluation of Hardware-related Geometrical Distortion in Structural MRI at 7 Tesla for Image-guided Applications in Neurosurgery. Academic Radiology, 2011, 18, 910-916.	2.5	37
17	<i><scp>MET</scp></i> Gain in Diffuse Astrocytomas is Associated with Poorer Outcome. Brain Pathology, 2013, 23, 13-18.	4.1	37
18	Factors affecting postoperative cerebrospinal fluid leaks after retrosigmoidal craniotomy for vestibular schwannomas. Journal of Neurosurgery, 2009, 111, 874-883.	1.6	35

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19	Time-of-Flight Magnetic Resonance Angiography at 7 T Using Venous Saturation Pulses With Reduced Flip Angles. Investigative Radiology, 2012, 47, 445-450.	6.2	35
20	Frequent BRAF Gain in Lowâ€Grade Diffuse Gliomas with 1p/19q Loss. Brain Pathology, 2012, 22, 834-840.	4.1	34
21	MR safety assessment of potential RF heating from cranial fixation plates at 7 T. Medical Physics, 2013, 40, 042302.	3.0	33
22	Solitary Sporadic Cerebral Cavernous Malformations: Risk Factors of First or Recurrent Symptomatic Hemorrhage and Associated Functional Impairment. World Neurosurgery, 2016, 91, 73-80.	1.3	33
23	Outcome after conservative management or surgical treatment for new-onset epilepsy in cerebral cavernous malformation. Journal of Neurosurgery, 2017, 126, 1303-1311.	1.6	33
24	Time Is Brain! Analysis of 245 Cases with Decompressive Craniectomy due to Subarachnoid Hemorrhage. World Neurosurgery, 2017, 98, 689-694.e2.	1.3	32
25	Laboratory biomarkers of delayed cerebral ischemia after subarachnoid hemorrhage: a systematic review. Neurosurgical Review, 2020, 43, 825-833.	2.4	32
26	Hemorrhage from cerebral cavernous malformations. Neurology, 2020, 95, e89-e96.	1.1	31
27	1.5 versus 3 versus 7 Tesla in abdominal MRI: A comparative study. PLoS ONE, 2017, 12, e0187528.	2.5	30
28	Alterations in the RB1 Pathway in Lowâ€grade Diffuse Gliomas Lacking Common Genetic Alterations. Brain Pathology, 2011, 21, 645-651.	4.1	29
29	Altered temporal variance and functional connectivity of BOLD signal is associated with state anxiety during acute systemic inflammation. Neurolmage, 2019, 184, 916-924.	4.2	29
30	Non-enhanced magnetic resonance imaging of unruptured intracranial aneurysms at 7 Tesla: Comparison with digital subtraction angiography. European Radiology, 2017, 27, 354-364.	4.5	27
31	7 Tesla MPRAGE Imaging of the Intracranial Arterial Vasculature. Academic Radiology, 2013, 20, 628-634.	2.5	26
32	Gradual External Ventricular Drainage Weaning Reduces The Risk of Shunt Dependency After Aneurysmal Subarachnoid Hemorrhage: A Pooled Analysis. Operative Neurosurgery, 2018, 15, 498-504.	0.8	26
33	Ruptured intrameatal AICA aneurysms—a report of two cases and review of the literature. Acta Neurochirurgica, 2009, 151, 1525-1530.	1.7	25
34	Improved Cerebral Time-of-Flight Magnetic Resonance Angiography at 7 Tesla – Feasibility Study and Preliminary Results Using Optimized Venous Saturation Pulses. PLoS ONE, 2014, 9, e106697.	2.5	24
35	Ventricular Microaneurysms in Moyamoya Angiopathy Visualized with 7T MR Angiography. American Journal of Neuroradiology, 2016, 37, 1669-1672.	2.4	23
36	New look at renal vasculature: 7 tesla nonenhanced T1â€weighted FLASH imaging. Journal of Magnetic Resonance Imaging, 2012, 36, 714-721.	3.4	22

3

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37	First-pass contrast-enhanced renal MRA at 7ÂTesla: initial results. European Radiology, 2013, 23, 1059-1066.	4.5	21
38	Intraoperative Aneurysm Rupture During Microsurgical Clipping: Risk Re-evaluation in the Post–International Subarachnoid Aneurysm Trial Era. World Neurosurgery, 2018, 119, e349-e356.	1.3	21
39	Impact of Multifocality and Molecular Markers on Survival of Glioblastoma. World Neurosurgery, 2019, 122, e461-e466.	1.3	21
40	Cranial fixation plates in cerebral magnetic resonance imaging: a 3 and 7 Tesla in vivo image quality study. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2016, 29, 389-398.	2.0	20
41	In vitro and in silico assessment of <scp>RF</scp> â€induced heating around intracranial aneurysm clips at 7 <scp>T</scp> esla. Magnetic Resonance in Medicine, 2018, 79, 568-581.	3.0	19
42	Bilateral malignant melanoma metastases to the internal auditory canal/cerebellopontine angle: surgical management and preservation of function. Journal of Neurosurgery, 2008, 108, 803-807.	1.6	18
43	Giant Intracranial Aneurysms at 7T MRI. American Journal of Neuroradiology, 2016, 37, 636-641.	2.4	18
44	Pathophysiology of Intracranial Aneurysms. Stroke, 2020, 51, 2505-2513.	2.0	18
45	Identification of venous variants in the pineal region with 3D preoperative computed tomography and magnetic resonance imaging navigation. Journal of Neurosurgery, 2007, 106, 1006-1011.	1.6	17
46	Microanatomy of the subcallosal artery: an in-vivo 7 T magnetic resonance angiography study. European Radiology, 2016, 26, 2908-2914.	4.5	17
47	Outcome After Clipping of Unruptured Intracranial Aneurysms Depends on Caseload. World Neurosurgery, 2016, 89, 666-671.e1.	1.3	17
48	Visualization and Classification of Deeply Seated Collateral Networks in Moyamoya Angiopathy with 7T MRI. American Journal of Neuroradiology, 2018, 39, 1248-1254.	2.4	17
49	Extensive immune reconstitution inflammatory syndrome in Fingolimod-associated PML: a case report with 7 Tesla MRI data. BMC Neurology, 2019, 19, 190.	1.8	17
50	Outcomes After Onyx Embolization as Primary Treatment for Cranial Dural Arteriovenous Fistula in the Past Decade. Academic Radiology, 2020, 27, e123-e131.	2.5	16
51	Subarachnoid Hemorrhage Early Brain Edema Score (SEBES) as a radiographic marker of clinically relevant intracranial hypertension and unfavorable outcome after subarachnoid hemorrhage. European Journal of Neurology, 2021, 28, 4051-4059.	3.3	16
52	Aneurysm rebleeding before therapy: a predictable disaster?. Journal of Neurosurgery, 2019, 131, 1473-1480.	1.6	16
53	DMBT1Homozygous Deletion in Diffuse Astrocytomas Is Associated With Unfavorable Clinical Outcome. Journal of Neuropathology and Experimental Neurology, 2012, 71, 702-707.	1.7	15
54	Cervical spondylodiscitis – A clinical analysis of surgically treated patients and review of the literature. Clinical Neurology and Neurosurgery, 2014, 117, 86-92.	1.4	15

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55	Non-Enhanced MR Imaging of Cerebral Arteriovenous Malformations at 7 Tesla. European Radiology, 2016, 26, 829-839.	4.5	15
56	Automatic and efficient MRI-US segmentations for improving intraoperative image fusion in image-guided neurosurgery. Neurolmage: Clinical, 2019, 22, 101766.	2.7	15
57	In the wall lies the truth: a systematic review of diagnostic markers in intracranial aneurysms. Brain Pathology, 2020, 30, 437-445.	4.1	15
58	Modifiable Cardiovascular Risk Factors in Patients With Sporadic Cerebral Cavernous Malformations. Stroke, 2021, 52, 1259-1264.	2.0	15
59	Natural Course of Cerebral Cavernous Malformations in Children: A Five-Year Follow-Up Study. Stroke, 2022, 53, 817-824.	2.0	15
60	Of Bubbles and Layers: Which Cerebral Cavernous Malformations are Most Difficult to Dissect From Surrounding Eloquent Brain Tissue?. Neurosurgery, 2017, 81, 498-503.	1.1	14
61	Stent-assisted treatment of ruptured intracranial aneurysms in the acute phase: A single center experience. ENeurologicalSci, 2018, 10, 31-36.	1.3	14
62	Decompressive craniectomy in aneurysmal subarachnoid hemorrhage: Who and when? – A systematic review and meta-analysis. Clinical Neurology and Neurosurgery, 2020, 199, 106252.	1.4	14
63	The PRESSURE score to predict decompressive craniectomy after aneurysmal subarachnoid haemorrhage. Brain Communications, 2020, 2, fcaa134.	3.3	14
64	Modern treatment of perineuriomas: a case-series and systematic review. BMC Neurology, 2020, 20, 55.	1.8	14
65	<i>PDGFRA</i> Gain in Low-Grade Diffuse Gliomas. Journal of Neuropathology and Experimental Neurology, 2013, 72, 61-66.	1.7	13
66	Relative health-related quality of life after treatment of unruptured intracranial aneurysms: long-term outcomes and influencing factors. Therapeutic Advances in Neurological Disorders, 2019, 12, 175628641983349.	3.5	13
67	Size does matter: The role of decompressive craniectomy extent for outcome after aneurysmal subarachnoid hemorrhage. European Journal of Neurology, 2021, 28, 2200-2207.	3.3	11
68	How about Levetiracetam in Glioblastoma? An Institutional Experience and Meta-Analysis. Cancers, 2021, 13, 3770.	3.7	11
69	Single center experience with treatment of spinal dural arteriovenous fistulas. Neurosurgical Review, 2015, 38, 683-692.	2.4	10
70	Management of traumatic spinal injuries in children and young adults. Child's Nervous System, 2015, 31, 1139-1148.	1.1	10
71	Reliable? The Value of Early Postoperative Magnetic Resonance Imaging after Cerebral Cavernous Malformation Surgery. World Neurosurgery, 2017, 103, 138-144.	1.3	10
72	Intracranial aneurysms in patients with tuberous sclerosis complex: a systematic review. Journal of Neurosurgery: Pediatrics, 2019, 24, 174-183.	1.3	10

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73	Surgical management of intradural spinal cord tumors in children and young adults: A single-center experience with 50 patients., 2015, 6, 661.		10
74	Fully Automated MR Based Virtual Biopsy of Cerebral Gliomas. Cancers, 2021, 13, 6186.	3.7	10
75	Diagnosing a Primary Leptomeningeal Melanoma by Gene Mutation Signature. Journal of Investigative Dermatology, 2016, 136, 1526-1528.	0.7	9
76	Radiofrequency induced heating around aneurysm clips using a generic birdcage head coil at 7 Tesla under consideration of the minimum distance to decouple multiple aneurysm clips. Magnetic Resonance in Medicine, 2019, 82, 1859-1875.	3.0	9
77	Higher sensitivity for traumatic cerebral microbleeds at 7 T ultra-high field MRI: is it clinically significant for the acute state of the patients and later quality of life?. Therapeutic Advances in Neurological Disorders, 2020, 13, 175628642091129.	3.5	9
78	Simultaneous 11C-Methionine Positron Emission Tomography/Magnetic Resonance Imaging of Suspected Primary Brain Tumors. PLoS ONE, 2016, 11, e0167596.	2.5	9
79	Quality of life and mood assessment in conservatively treated cavernous malformationâ€related epilepsy. Brain and Behavior, 2022, 12, e2595.	2.2	9
80	Healthâ€related quality of life in patients with untreated cavernous malformations of the central nervous system. European Journal of Neurology, 2021, 28, 491-499.	3.3	8
81	Multiple cerebral cavernous malformations: Clinical course of confirmed, assumed and nonâ€familial disease. European Journal of Neurology, 2022, 29, 1427-1434.	3.3	8
82	Natural course of untreated spinal cord cavernous malformations: a follow-up study within the initial 5 years after diagnosis. Journal of Neurosurgery: Spine, 2022, 36, 1030-1034.	1.7	8
83	Anatomic Study of the Quadrigeminal Cistern in Patients With 3-Dimensional Magnetic Resonance Cisternography. Neurosurgery, 2010, 66, 991-998.	1.1	7
84	Characterization of Temozolomide Resistance Using a Novel Acquired Resistance Model in Glioblastoma Cell Lines. Cancers, 2022, 14, 2211.	3.7	7
85	DEPICTION OF SMALL VEINS DRAINING INTO THE VEIN OF GALEN USING PREOPERATIVE 3-DIMENSIONAL NAVIGATION IN LIVING PATIENTS. Operative Neurosurgery, 2009, 64, ons247-ons252.	0.8	6
86	Treatment of complex neurovascular lesions: an interdisciplinary angio suite approach. Therapeutic Advances in Neurological Disorders, 2014, 7, 60-70.	3.5	6
87	Demographic, radiographic, molecular and clinical characteristics of primary gliosarcoma and differences to glioblastoma. Clinical Neurology and Neurosurgery, 2021, 200, 106348.	1.4	6
88	Lipomas as an Extremely Rare Cause for Brachial Plexus Compression: A Case Series and Systematic Review. Journal of Brachial Plexus and Peripheral Nerve Injury, 2021, 16, e10-e16.	1.0	6
89	Intracranial Aneurysms in Sickle Cell Disease. Current Neurovascular Research, 2019, 16, 63-76.	1.1	6
90	Radiation Exposure During Diagnostic and Therapeutic Angiography of Carotid-cavernous Fistula. Clinical Neuroradiology, 2022, 32, 117-122.	1.9	6

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91	Adjustable pressure valves for chronic hydrocephalus following subarachnoid hemorrhage: Is it worthwhile?. Clinical Neurology and Neurosurgery, 2020, 198, 106133.	1.4	5
92	Analysis of Brain Natriuretic Peptide Serum Levels in Patients with Symptomatic Chronic Subdural Hematoma: A Potential Reliable Biomarker. Journal of Neurotrauma, 2020, 37, 2211-2218.	3.4	5
93	Role of brain natriuretic peptide in the prediction of long-term surgical outcome of chronic subdural hematoma. Journal of the Neurological Sciences, 2021, 420, 117240.	0.6	5
94	Seizures at the onset of aneurysmal SAH: epiphenomenon or valuable predictor?. Journal of Neurology, 2021, 268, 493-501.	3.6	5
95	Cerebral cavernous malformations: Prevalence of cardiovascular comorbidities and allergic diseases compared to the normal population. European Journal of Neurology, 2021, 28, 2000-2005.	3.3	5
96	PaCO2-management in the neuro-critical care of patients with subarachnoid hemorrhage. Scientific Reports, 2021, 11, 19191.	3.3	5
97	Neuropsychological Functioning in Patients with Cushing's Disease and Cushing's Syndrome. Experimental and Clinical Endocrinology and Diabetes, 2021, 129, 194-202.	1.2	5
98	Blood pressure and outcome after aneurysmal subarachnoid hemorrhage. Scientific Reports, 2022, 12, 8006.	3.3	5
99	Treatment allocation of ruptured anterior communicating artery aneurysms: The influence of aneurysm morphology. Clinical Neurology and Neurosurgery, 2019, 186, 105506.	1.4	4
100	Preoperative and early postoperative seizures in patients with glioblastomaâ€"two sides of the same coin?. Neuro-Oncology Advances, 2021, 3, vdaa158.	0.7	4
101	Time interval between the diagnosis of breast cancer and brain metastases impacts prognosis after metastasis surgery. Journal of Neuro-Oncology, 2022, 159, 53-63.	2.9	4
102	Predictive Value of Intraoperative Neuromonitoring in Brainstem Cavernous Malformation Surgery. World Neurosurgery, 2021, 156, e359-e373.	1.3	3
103	Development of multiple intracranial aneurysms: beyond the common risk factors. Journal of Neurosurgery, 2022, 137, 1056-1063.	1.6	3
104	Medication intake and hemorrhage risk in patients with familial cerebral cavernous malformations. Journal of Neurosurgery, 2022, , 1-7.	1.6	3
105	Diagnostic reliability of the Berlin classification for complex MCA aneurysms—usability in a series of only giant aneurysms. Acta Neurochirurgica, 2020, 162, 2753-2758.	1.7	2
106	The Subarachnoid Hemorrhage–Weather Myth: A Long-Term Big Data and Deep Learning Analysis. Frontiers in Neurology, 2021, 12, 653483.	2.4	2
107	Analysis of brain natriuretic peptide levels following traumatic acute subdural hematoma and the risk of postoperative cerebral infarction. Journal of Neurotrauma, 2021, 38, 3068-3076.	3.4	2
108	Correlation Between Thrombus Signal Intensity and Aneurysm Wall Thickness in Partially Thrombosed Intracranial Aneurysms Using 7T Magnetization-Prepared Rapid Acquisition Gradient Echo Magnetic Resonance Imaging. Frontiers in Neurology, 2022, 13, 758126.	2.4	2

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109	Ischemia-induced inflammation in arteriovenous malformations. Neurosurgical Focus, 2022, 53, E3.	2.3	2
110	Therapy Results of Pericallosal Aneurysms: A Retrospective Unicenter Study. Clinics and Practice, 2020, 10, 66-69.	1.4	1
111	Predictors of Brain Natriuretic Peptide Serum Level Elevation in Patients with Symptomatic Chronic Subdural Hematoma: A Prospective Study. Journal of Clinical Medicine, 2021, 10, 1791.	2.4	1
112	The 2016 Edition of the WHO Classification of Primary Brain Tumors: Applicable to Assess Individual Risk of Recurrence in Atypical Meningioma? A Single-Center Experience. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2021, 82, 417-423.	0.8	1
113	Role of Brain Natriuretic Peptide in the Prediction of Early Postoperative Seizures Following Surgery for Traumatic Acute Subdural Hematoma: A Prospective Study. Neurology and Therapy, 2021, 10, 847-863.	3.2	1
114	Risk score for outcome prediction after microsurgical resection of spinal ependymoma (SOURSE) Tj ETQq0 0 0 rg	gBT /Overl	ock 10 Tf 50
115	Radiographic markers of breast cancer brain metastases: relation to clinical characteristics and postoperative outcome. Acta Neurochirurgica, 2021, , 1.	1.7	1
116	Electrolyte and renal disorders in patients with newly diagnosed glioblastoma. Future Oncology, 2021, 17, 4711-4719.	2.4	1
117	Personalized Calvarial Reconstruction in Neurosurgery. Lecture Notes in Computer Science, 2021, , 1-7.	1.3	1
118	A New Subform? Fast-Progressing, Severe Neurological Deterioration Caused by Spinal Epidural Lipomatosis. Journal of Clinical Medicine, 2022, 11 , 366 .	2.4	1
119	The occurrence of neuropathic pain following surgery of brainstem cavernous malformations. European Journal of Neurology, 2022, 29, 865-872.	3.3	1
120	O.022 Anatomical study of the quadrigeminal cistern in the living with three-dimensional MR cisternography. Clinical Neurology and Neurosurgery, 2008, 110, S6-S7.	1.4	0
121	Experimental endotoxemia induces increased functional connectivity between the thalamus and the default mode network in healthy men. Brain, Behavior, and Immunity, 2015, 49, e13-e14.	4.1	0
122	Response by Rodemerk et al to Letter Regarding Article, "Pathophysiology of Intracranial Aneurysms: COX-2 Expression, Iron Deposition in Aneurysm Wall, and Correlation With Magnetic Resonance Imaging― Stroke, 2020, 51, e369-e370.	2.0	0
123	Identification of Venous Variants in the Pineal Region with 3D Preoperative Navigation. A Statistical Study on the Venous Anatomy in the Living. Skull Base, 2009, 19, .	0.4	0
124	Abstract 2406: Intra-tumoral heterogeneity of PDGFRA / MET gain in WHO grade II diffuse astrocytomas , 2013, , .		0
125	Nichtinvasive Tumordekodierung und PhÃ ¤ otypisierung zerebraler Gliome unter Verwendung von multiparametrischem 18F-FET-PET-MRT und MR-Fingerprinting. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2019, 191, .	1.3	0
126	Early Identification of Intracranial Aneurysms in Pediatric Patients with Tuberous Sclerosis: A New Challenge for the Future?., 2019, 50,.		0

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127	Craniotomy tools: description of a test model for the evaluation of craniotome blade efficiency. British Journal of Neurosurgery, 2020, , 1-4.	0.8	O
128	Preoperative cervical traction with Gardner-Wells Tongs: who profits most?. Journal of Neurosurgical Sciences, 2022, , .	0.6	0