Sandro M Krieg

List of Publications by Year
in descending order

200 papers	5,068 citations	101543 36 h-index	133252 59 g-index
227 all docs	227 docs citations	227 times ranked	3141 citing authors

#	Article	IF	Citations
1	Improved potential quality of intraoperative transcranial motor-evoked potentials by navigated electrode placement compared to the conventional ten-twenty system. Neurosurgical Review, 2022, 45, 585-593.	2.4	5
2	Dorsal instrumentation with and without vertebral body replacement in patients with thoracolumbar osteoporotic fractures shows comparable outcome measures. European Spine Journal, 2022, 31, 1138-1146.	2.2	5
3	Global comparison of awake and asleep mapping procedures in glioma surgery: An international multicenter survey. Neuro-Oncology Practice, 2022, 9, 123-132.	1.6	6
4	Decision making and surgical modality selection in glioblastoma patients: an international multicenter survey. Journal of Neuro-Oncology, 2022, 156, 465-482.	2.9	4
5	Subcortical motor ischemia can be detected by intraoperative MRI within 1Ââ€‹h â€“ A feasibility study. Brain and Spine, 2022, 2, 100862.	0.1	0
6	Assessment of the incidence and nature of adverse events and their association with human error in neurosurgery. A prospective observation. Brain and Spine, 2022, 2, 100853.	0.1	14
7	Neuroprotective Effects of the Inert Gas Argon on Experimental Traumatic Brain Injury In Vivo with the Controlled Cortical Impact Model in Mice. Biology, 2022, 11, 158.	2.8	3
8	Tracking motor and language eloquent white matter pathways with intraoperative fiber tracking versus preoperative tractography adjusted by intraoperative MRIâ€“based elastic fusion. Journal of Neurosurgery, 2022, , 1-10.	1.6	1
9	A multicenter cohort study of early complications after cranioplasty: results of the German Cranial Reconstruction Registry. Journal of Neurosurgery, 2022, 137, 591-598.	1.6	7
10	Elucidating the structuralâ€“functional connectome of language in gliomaâ€‹induced aphasia using <scp>nTMS</scp> and <scp>DTI</scp>. Human Brain Mapping, 2022, 43, 1836-1849.	3.6	8
11	Neuronavigated repetitive transcranial magnetic stimulation as novel mapping technique provides insights into language function in primary progressive aphasia. Brain Imaging and Behavior, 2022, 16, 1208-1216.	2.1	0
12	Awake craniotomy as a mandatory part of the armamentarium of surgical neuro-oncologists. Lancet Oncology, The, 2022, , .	10.7	2
13	Digital cognitive testing using a tablet-based app in patients with brain tumors: a single-center feasibility study comparing the app to the gold standard. Neurosurgical Focus, 2022, 52, E7.	2.3	1
14	Posterior transdural resection of giant calcified thoracic disc herniation in a case series of 12 patients. Neurosurgical Review, 2021, 44, 2277-2282.	2.4	8
15	Revision by S2-alar-iliac instrumentation reduces caudal screw loosening while improving sacroiliac joint painâ€”a group comparison study. Neurosurgical Review, 2021, 44, 2145-2151.	2.4	5
16	CSF disturbances and other neurosurgical complications after interdisciplinary reconstructions of large combined scalp and skull deficiencies. Neurosurgical Review, 2021, 44, 1583-1589.	2.4	2
17	Functional Mapping for Glioma Surgery, Part 1. Neurosurgery Clinics of North America, 2021, 32, 65-74.	1.7	8
18	Updated safety standards for TMS: A must-read in brain stimulation. Clinical Neurophysiology, 2021, 132, 214-215.	1.5	1

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19	Augmented reality for the virtual dissection of white matter pathways. Acta Neurochirurgica, 2021, 163, 895-903.	1.7	17
20	Patients with Barriers of Communication. , 2021, , 367-380.		1
21	Intraoperative MRIâ€“based elastic fusion for anatomically accurate tractography of the corticospinal tract: correlation with intraoperative neuromonitoring and clinical status. Neurosurgical Focus, 2021, 50, E9.	2.3	13
22	Non-Invasive Mapping for Effective Preoperative Guidance to Approach Highly Language-Eloquent Gliomasâ€”A Large Scale Comparative Cohort Study Using a New Classification for Language Eloquence. Cancers, 2021, 13, 207.	3.7	10
23	Tractography for Subcortical Resection of Gliomas Is Highly Accurate for Motor and Language Function: ioMRI-Based Elastic Fusion Disproves the Severity of Brain Shift. Cancers, 2021, 13, 1787.	3.7	9
24	Proposed definition of competencies for surgical neuro-oncology training. Journal of Neuro-Oncology, 2021, 153, 121-131.	2.9	6
25	The bottom-up approach: Non-invasive peripheral neurostimulation methods to treat migraine: A scoping review from the child neurologist's perspective. European Journal of Paediatric Neurology, 2021, 32, 16-28.	1.6	15
26	Impaired Set-Shifting from Dorsal Stream Disconnection: Insights from a European Series of Right Parietal Lower-Grade Glioma Resection. Cancers, 2021, 13, 3337.	3.7	5
27	Special Topic Issue: Intraoperative Neurophysiological Monitoring. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2021, 82, 297-298.	0.8	1
28	The PROGRAM study: awake mapping versus asleep mapping versus no mapping for high-grade glioma resections: study protocol for an international multicenter prospective three-arm cohort study. BMJ Open, 2021, 11, e047306.	1.9	8
29	Intracranial pressure monitoring in patients with acute brain injury in the intensive care unit (SYNAPSE-ICU): an international, prospective observational cohort study. Lancet Neurology, The, 2021, 20, 548-558.	10.2	105
30	Mapping of Motor Function with Neuronavigated Transcranial Magnetic Stimulation: A Review on Clinical Application in Brain Tumors and Methods for Ensuring Feasible Accuracy. Brain Sciences, 2021, 11, 897.	2.3	31
31	Navigated repetitive transcranial magnetic stimulation improves the outcome of postsurgical paresis in glioma patients â€“ A randomized, double-blinded trial. Brain Stimulation, 2021, 14, 780-787.	1.6	19
32	Usability of Graphical Visualizations on a Tool-Mounted Interface for Spine Surgery. Journal of Imaging, 2021, 7, 159.	3.0	6
33	Mapping Verb Retrieval With nTMS: The Role of Transitivity. Frontiers in Human Neuroscience, 2021, 15, 719461.	2.0	7
34	Bihemispheric Navigated Transcranial Magnetic Stimulation Mapping for Action Naming Compared to Object Naming in Sentence Context. Brain Sciences, 2021, 11, 1190.	2.3	10
35	Clinical efficiency of operating room-based sliding gantry CT as compared to mobile cone-beam CT-based navigated pedicle screw placement in 853 patients and 6733 screws. European Spine Journal, 2021, 30, 3720-3730.	2.2	8
36	Cement-Augmented Carbon Fiberâ€“Reinforced Pedicle Screw Instrumentation for Spinal Metastases: Safety and Efficacy. World Neurosurgery, 2021, 154, e536-e546.	1.3	13

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37	Management of spine fractures in ankylosing spondylitis and diffuse idiopathic skeletal hyperostosis: a challenge. Neurosurgical Focus, 2021, 51, E2.	2.3	10
38	Carbon-fiber reinforced PEEK instrumentation for spondylodiscitis: a single center experience on safety and efficacy. Scientific Reports, 2021, 11, 2414.	3.3	8
39	Impacting the Treatment of Highly Eloquent Supratentorial Cerebral Cavernous Malformations by Noninvasive Functional Mappingâ€"An Observational Cohort Study. Operative Neurosurgery, 2021, 21, 467-477.	0.8	1
40	Transcranial versus Direct Cortical Stimulation for Motor-Evoked Potentials during Resection of Supratentorial Tumors under General Anesthesia (The TRANSEKT-Trial): Study Protocol for a Randomized Controlled Trial. Biomedicines, 2021, 9, 1490.	3.2	5
41	Single-centre study comparing surgically and conservatively treated patients with spinal cord herniation and review of the literature. Brain and Spine, 2021, 1, 100305.	0.1	1
42	Benefit of Action Naming Over Object Naming for Visualization of Subcortical Language Pathways in Navigated Transcranial Magnetic Stimulation-Based Diffusion Tensor Imaging-Fiber Tracking. Frontiers in Human Neuroscience, 2021, 15, 748274.	2.0	5
43	Dual-Task nTMS Mapping to Visualize the Cortico-Subcortical Language Network and Capture Postoperative Outcomeâ€"A Patient Series in Neurosurgery. Frontiers in Oncology, 2021, 11, 788122.	2.8	3
44	Non-invasive mapping of cortical categorization function by repetitive navigated transcranial magnetic stimulation. Scientific Reports, 2021, 11, 24480.	3.3	0
45	Evaluation of Acute Glial Fibrillary Acidic Protein and Ubiquitin C-Terminal Hydrolase-L1 Plasma Levels in Traumatic Brain Injury Patients with and without Intracranial Lesions. Neurotrauma Reports, 2021, 2, 617-625.	1.4	14
46	Tracking the Corticospinal Tract in Patients With High-Grade Glioma: Clinical Evaluation of Multi-Level Fiber Tracking and Comparison to Conventional Deterministic Approaches. Frontiers in Oncology, 2021, 11, 761169.	2.8	6
47	Function-specific Tractography of Language Pathways Based on nTMS Mapping in Patients with Supratentorial Lesions. Clinical Neuroradiology, 2020, 30, 123-135.	1.9	18
48	Intranetwork and Internetwork Effects of Navigated Transcranial Magnetic Stimulation Using Low- and High-Frequency Pulse Application to the Dorsolateral Prefrontal Cortex: A Combined rTMSâ€"fMRI Approach. Journal of Clinical Neurophysiology, 2020, 37, 131-139.	1.7	15
49	The cortical distribution of first and second language in the right hemisphere of bilinguals â€" an exploratory study by repetitive navigated transcranial magnetic stimulation. Brain Imaging and Behavior, 2020, 14, 1034-1049.	2.1	5
50	Application of Navigated Transcranial Magnetic Stimulation to Map the Supplementary Motor Area in Healthy Subjects. Journal of Clinical Neurophysiology, 2020, 37, 140-149.	1.7	10
51	Appliance of Navigated Transcranial Magnetic Stimulation in Radiosurgery for Brain Metastases. Journal of Clinical Neurophysiology, 2020, 37, 50-55.	1.7	12
52	Elastic Fusion Enables Fusion of Intraoperative Magnetic Resonance Imaging Data with Preoperative Neuronavigation Data. World Neurosurgery, 2020, 142, e223-e228.	1.3	4
53	Procedures performed during neurosurgery residency in Europe. Acta Neurochirurgica, 2020, 162, 2303-2311.	1.7	29
54	Navigated TMS in the ICU: Introducing Motor Mapping to the Critical Care Setting. Brain Sciences, 2020, 10, 1005.	2.3	3

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55	Paired-pulse navigated TMS is more effective than single-pulse navigated TMS for mapping upper extremity muscles in brain tumor patients. Clinical Neurophysiology, 2020, 131, 2887-2898.	1.5	13
56	Short-Interval Intracortical Facilitation Improves Efficacy in nTMS Motor Mapping of Lower Extremity Muscle Representations in Patients with Supra-Tentorial Brain Tumors. Cancers, 2020, 12, 3233.	3.7	6
57	Risk Assessment by Presurgical Tractography Using Navigated TMS Maps in Patients with Highly Motor- or Language-Eloquent Brain Tumors. Cancers, 2020, 12, 1264.	3.7	46
58	Assessment of the Extent of Resection in Surgery of High-Grade Gliomaâ€"Evaluation of Black Blood Sequences for Intraoperative Magnetic Resonance Imaging at 3 Tesla. Cancers, 2020, 12, 1580.	3.7	6
59	Brain Mapping. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2020, 81, 093-094.	0.8	0
60	Completeness and accuracy of data in spine registries: an independent audit-based study. European Spine Journal, 2020, 29, 1453-1461.	2.2	7
61	Function-Based Tractography of the Language Network Correlates with Aphasia in Patients with Language-Eloquent Glioblastoma. Brain Sciences, 2020, 10, 412.	2.3	4
62	Capturing multiple interaction effects in L1 and L2 object-naming reaction times in healthy bilinguals: a mixed-effects multiple regression analysis. BMC Neuroscience, 2020, 21, 3.	1.9	2
63	Alleviation of migraine symptoms by application of repetitive peripheral magnetic stimulation to myofascial trigger points of neck and shoulder muscles â€“ A randomized trial. Scientific Reports, 2020, 10, 5954.	3.3	22
64	Motor Cortical Network Plasticity in Patients With Recurrent Brain Tumors. Frontiers in Human Neuroscience, 2020, 14, 118.	2.0	23
65	The physiological effects of noninvasive brain stimulation fundamentally differ across the human cortex. Science Advances, 2020, 6, eaay2739.	10.3	73
66	Associations between clinical outcome and tractography based on navigated transcranial magnetic stimulation in patients with language-eloquent brain lesions. Journal of Neurosurgery, 2020, 132, 1033-1042.	1.6	19
67	Presence of Propionibacterium acnes in patients with aseptic bone graft resorption after cranioplasty: preliminary evidence for low-grade infection. Journal of Neurosurgery, 2020, 133, 912-917.	1.6	3
68	Topping-off technique for stabilization of lumbar degenerative instabilities in 322 patients. Journal of Neurosurgery: Spine, 2020, 32, 366-372.	1.7	5
69	Can a Hand-Held Navigation Device Reduce Cognitive Load? A User-Centered Approach Evaluated by 18 Surgeons. Lecture Notes in Computer Science, 2020, , 399-408.	1.3	4
70	Reoperation rates and risk factors for revision 4 years after dynamic stabilization of the lumbar spine. Spine Journal, 2019, 19, 113-120.	1.3	21
71	Language function shows comparable cortical patterns by functional MRI and repetitive nTMS in healthy volunteers. Brain Imaging and Behavior, 2019, 13, 1071-1092.	2.1	6
72	Repetitive Peripheral Magnetic Stimulation (rPMS) in Subjects With Migraineâ€"Setup Presentation and Effects on Skeletal Musculature. Frontiers in Neurology, 2019, 10, 738.	2.4	15

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73	PermutationÂentropy in intraoperative ECoG of brain tumour patients in awake tumour surgeryâ€“ a robust parameter to separate consciousness from unconsciousness. Scientific Reports, 2019, 9, 16482.	3.3	7
74	Response to: neurosurgical procedures performed during residency in Europeâ€”preliminary numbers and time trends. Acta Neurochirurgica, 2019, 161, 1977-1979.	1.7	4
75	Quantitative magnetic resonance imaging of the upper trapezius muscles â€“ assessment of myofascial trigger points in patients with migraine. Journal of Headache and Pain, 2019, 20, 8.	6.0	23
76	Awake Craniotomy and Resection of a Left Frontal High-Grade Glioma: 2-Dimensional Operative Video. Operative Neurosurgery, 2019, 18, E85.	0.8	1
77	Application of presurgical navigated transcranial magnetic stimulation motor mapping for adjuvant radiotherapy planning in patients with high-grade gliomas. Radiotherapy and Oncology, 2019, 138, 30-37.	0.6	15
78	Retrospective distortion correction of diffusion tensor imaging data by semi-elastic image fusion â€“ Evaluation by means of anatomical landmarks. Clinical Neurology and Neurosurgery, 2019, 183, 105387.	1.4	22
79	Quality-adjusted life years in glioma patients: a systematic review on currently available data and the lack of evidence-based utilities. Journal of Neuro-Oncology, 2019, 144, 1-9.	2.9	6
80	Functional Reorganization of Cortical Language Function in Glioma Patientsâ€”A Preliminary Study. Frontiers in Oncology, 2019, 9, 446.	2.8	34
81	Correlation of language-eloquent white matter pathways with the course of language function in glioma patients. Brain Stimulation, 2019, 12, 410-411.	1.6	0
82	Surgical resection of cavernous angioma located within eloquent brain areas: International survey of the practical management among 19 specialized centers. Seizure: the Journal of the British Epilepsy Association, 2019, 69, 31-40.	2.0	16
83	Neurosurgical procedures performed during residency in Europeâ€”preliminary numbers and time trends. Acta Neurochirurgica, 2019, 161, 843-853.	1.7	26
84	Predictors of Epileptic Seizures and Ability to Work in Supratentorial Cavernous Angioma Located Within Eloquent Brain Areas. Neurosurgery, 2019, 85, E702-E713.	1.1	8
85	Lateral lumbar interbody fusion without intraoperative neuromonitoring: a single-center consecutive series of 157 surgeries. Journal of Neurosurgery: Spine, 2019, 30, 439-445.	1.7	9
86	The European Robotic Spinal Instrumentation (EUROSPIN) study: protocol for a multicentre prospective observational study of pedicle screw revision surgery after robot-guided, navigated and freehand thoracolumbar spinal fusion. BMJ Open, 2019, 9, e030389.	1.9	12
87	Navigated transcranial magnetic stimulation of the supplementary motor cortex disrupts fine motor skills in healthy adults. Scientific Reports, 2019, 9, 17744.	3.3	16
88	Registries in Spine Care: UK and Europe. , 2019, , 89-110.		0
89	Tumors of the Sacrum. , 2019, , 547-562.		0
90	Safety Checklist for Spine Patients. , 2019, , 585-597.		0

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91	The impact of nTMS mapping on treatment of brain AVMs. Acta Neurochirurgica, 2018, 160, 567-578.	1.7	14
92	Association of decision-making in spinal surgery with specialty and emotional involvementâ€"the Indications in Spinal Surgery (INDIANA) survey. Acta Neurochirurgica, 2018, 160, 425-438.	1.7	8
93	Loss of Subcortical Language Pathways Correlates with Surgery-Related Aphasia in Patients with Brain Tumor: An Investigation via Repetitive Navigated Transcranial Magnetic Stimulationâ€"Based Diffusion Tensor Imaging Fiber Tracking. World Neurosurgery, 2018, 111, e806-e818.	1.3	22
94	Mapping of Arithmetic Processing by Navigated Repetitive Transcranial Magnetic Stimulation in Patients with Parietal Brain Tumors and Correlation with Postoperative Outcome. World Neurosurgery, 2018, 114, e1016-e1030.	1.3	7
95	Associations between clinical outcome and navigated transcranial magnetic stimulation characteristics in patients with motor-eloquent brain lesions: a combined navigated transcranial magnetic stimulationâ€"diffusion tensor imaging fiber tracking approach. Journal of Neurosurgery, 2018, 128, 800-810.	1.6	60
96	Reorganization of Motor Representations in Patients with Brain Lesions: A Navigated Transcranial Magnetic Stimulation Study. Brain Topography, 2018, 31, 288-299.	1.8	15
97	Predicting brain tumor regrowth in relation to motor areas by functional brain mapping. Neuro-Oncology Practice, 2018, 5, 82-95.	1.6	4
98	nTMS guidance of awake surgery for highly eloquent gliomas. Neurosurgical Focus, 2018, 45, V9.	2.3	8
99	Language-Eloquent White Matter Pathway Tractography and the Course of Language Function in Glioma Patients. Frontiers in Oncology, 2018, 8, 572.	2.8	29
100	RTHP-33. APPLICATION OF PRESURGICAL NAVIGATED TRANSCRANIAL MAGNETIC STIMULATION MOTOR MAPPING FOR ADJUVANT RADIOTHERAPY TREATMENT PLANNING IN PATIENTS WITH BRAIN TUMORS. Neuro-Oncology, 2018, 20, vi232-vi232.	1.2	0
101	A trend towards a more intense adjuvant treatment of low-grade-gliomas in tertiary centers in Germany after RTOG 9802 â€" results from a multi-center survey. BMC Cancer, 2018, 18, 907.	2.6	7
102	The Role of Navigated Transcranial Magnetic Stimulation Motor Mapping in Adjuvant Radiotherapy Planning in Patients With Supratentorial Brain Metastases. Frontiers in Oncology, 2018, 8, 424.	2.8	18
103	The implementation of an infection prevention bundle reduces surgical site infections following cranial surgery. Acta Neurochirurgica, 2018, 160, 2307-2312.	1.7	7
104	Investigating Stimulation Protocols for Language Mapping by Repetitive Navigated Transcranial Magnetic Stimulation. Frontiers in Behavioral Neuroscience, 2018, 12, 197.	2.0	22
105	Risk Factors for Dropping Out of Neurosurgical Residency Programsâ€"A Survey Study. World Neurosurgery, 2018, 120, e100-e106.	1.3	8
106	First experience with the jump-starting robotic assistance device Cirq. Neurosurgical Focus, 2018, 45, V3.	2.3	19
107	Mapping visuospatial attention: the greyscales task in combination with repetitive navigated transcranial magnetic stimulation. BMC Neuroscience, 2018, 19, 40.	1.9	12
108	Imaging practice in low-grade gliomas among European specialized centers and proposal for a minimum core of imaging. Journal of Neuro-Oncology, 2018, 139, 699-711.	2.9	26

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109	139 Epileptic Seizures and Ability to Work in Cavernous Angioma Located Within Eloquent Brain Areas. Neurosurgery, 2018, 65, 93-94.	1.1	0
110	Setup presentation and clinical outcome analysis of treating highly language-eloquent gliomas via preoperative navigated transcranial magnetic stimulation and tractography. Neurosurgical Focus, 2018, 44, E2.	2.3	39
111	Cost-effectiveness of preoperative motor mapping with navigated transcranial magnetic brain stimulation in patients with high-grade glioma. Neurosurgical Focus, 2018, 44, E18.	2.3	9
112	Evoking visual neglect-like deficits in healthy volunteers â€“ an investigation by repetitive navigated transcranial magnetic stimulation. Brain Imaging and Behavior, 2017, 11, 17-29.	2.1	11
113	Visualization of subcortical language pathways by diffusion tensor imaging fiber tracking based on rTMS language mapping. Brain Imaging and Behavior, 2017, 11, 899-914.	2.1	38
114	Language pathway tracking: comparing nTMS-based DTI fiber tracking with a cubic ROIs-based protocol. Journal of Neurosurgery, 2017, 126, 1006-1014.	1.6	42
115	Interhemispheric connectivity revealed by diffusion tensor imaging fiber tracking derived from navigated transcranial magnetic stimulation maps as a sign of language function at risk in patients with brain tumors. Journal of Neurosurgery, 2017, 126, 222-233.	1.6	20
116	Cortical plasticity of motor-eloquent areas measured by navigated transcranial magnetic stimulation in patients with glioma. Journal of Neurosurgery, 2017, 127, 981-991.	1.6	42
117	Identifying cortical first and second language sites via navigated transcranial magnetic stimulation of the left hemisphere in bilinguals. Brain and Language, 2017, 168, 106-116.	1.6	11
118	Protocol for motor and language mapping by navigated TMS in patients and healthy volunteers; workshop report. Acta Neurochirurgica, 2017, 159, 1187-1195.	1.7	165
119	Resection of Navigated Transcranial Magnetic Stimulation-Positive Prerolandic Motor Areas Causes Permanent Impairment of Motor Function. Neurosurgery, 2017, 81, 99-110.	1.1	22
120	Implementing Functional Preoperative Mapping in the Clinical Routine of a Neurosurgical Department: Technical Note. World Neurosurgery, 2017, 103, 94-105.	1.3	23
121	Cortical time course of object naming investigated by repetitive navigated transcranial magnetic stimulation. Brain Imaging and Behavior, 2017, 11, 1192-1206.	2.1	14
122	The variability of motor evoked potential latencies in neurosurgical motor mapping by preoperative navigated transcranial magnetic stimulation. BMC Neuroscience, 2017, 18, 5.	1.9	28
123	Clinical Factors Underlying the Inter-individual Variability of the Resting Motor Threshold in Navigated Transcranial Magnetic Stimulation Motor Mapping. Brain Topography, 2017, 30, 98-121.	1.8	32
124	Time-Dependent Effects of Arginine-Vasopressin V1 Receptor Inhibition on Secondary Brain Damage after Traumatic Brain Injury. Journal of Neurotrauma, 2017, 34, 1329-1336.	3.4	21
125	Decreased Secondary Lesion Growth and Attenuated Immune Response after Traumatic Brain Injury in Tlr2/4â^'/â^' Mice. Frontiers in Neurology, 2017, 8, 455.	2.4	11
126	Non-invasive Mapping of Face Processing by Navigated Transcranial Magnetic Stimulation. Frontiers in Human Neuroscience, 2017, 11, 4.	2.0	13

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127	Resection of Gliomas with and without Neuropsychological Support during Awake Craniotomyâ€"Effects on Surgery and Clinical Outcome. Frontiers in Oncology, 2017, 7, 176.	2.8	30
128	Clinical Monitoring of Brain Edema. , 2017, , 377-391.		0
129	Integration of Functional Data in theÂClinical Workflow. , 2017, , 51-66.		0
130	Resection of Motor Eloquent Metastases Aided by Preoperative nTMS-Based Motor Mapsâ€"Comparison of Two Observational Cohorts. Frontiers in Oncology, 2016, 6, 261.	2.8	45
131	NCOG-01. PREOPERATIVE MAPPING OF CALCULATION FUNCTION BY rTMS IN PATIENTS WITH PARIETAL BRAIN TUMORS AND CORRELATION WITH POSTOPERATIVE OUTCOME. Neuro-Oncology, 2016, 18, vi119-vi119.	1.2	1
132	Feasibility of nTMS-based DTI fiber tracking of language pathways in neurosurgical patients using a fractional anisotropy threshold. Journal of Neuroscience Methods, 2016, 267, 45-54.	2.5	36
133	Preoperative language mapping by repetitive navigated transcranial magnetic stimulation and diffusion tensor imaging fiber tracking and their comparison to intraoperative stimulation. Neuroradiology, 2016, 58, 807-818.	2.2	25
134	Mapping of cortical language function by functional magnetic resonance imaging and repetitive navigated transcranial magnetic stimulation in 40 healthy subjects. Acta Neurochirurgica, 2016, 158, 1303-1316.	1.7	8
135	The Complexity Signature: Developing a Tool to Communicate Biopsychosocial Severity of Disease for Children with Chronic Neurological Complexity. Neuropediatrics, 2016, 47, 238-244.	0.6	1
136	Resection of highly language-eloquent brain lesions based purely on rTMS language mapping without awake surgery. Acta Neurochirurgica, 2016, 158, 2265-2275.	1.7	47
137	Comparison between electric-field-navigated and line-navigated TMS for cortical motor mapping in patients with brain tumors. Acta Neurochirurgica, 2016, 158, 2277-2289.	1.7	37
138	Magnetic stimulation of the upper trapezius muscles in patients with migraine â€“ A pilot study. European Journal of Paediatric Neurology, 2016, 20, 888-897.	1.6	27
139	Hemispheric language dominance measured by repetitive navigated transcranial magnetic stimulation and postoperative course of language function in brain tumor patients. Neuropsychologia, 2016, 91, 50-60.	1.6	39
140	Results on the spatial resolution of repetitive transcranial magnetic stimulation for cortical language mapping during object naming in healthy subjects. BMC Neuroscience, 2016, 17, 67.	1.9	14
141	363â€ƒCortical Plasticity of Motor-Eloquent Areas Measured by Navigated Transcranial Magnetic Stimulation in Glioma Patients. Neurosurgery, 2016, 63, 207-208.	1.1	1
142	Non-invasive mapping of calculation function by repetitive navigated transcranial magnetic stimulation. Brain Structure and Function, 2016, 221, 3927-3947.	2.3	29
143	Language function distribution in left-handers: A navigated transcranial magnetic stimulation study. Neuropsychologia, 2016, 82, 65-73.	1.6	9
144	Safety and tolerability of navigated TMS for preoperative mapping in neurosurgical patients. Clinical Neurophysiology, 2016, 127, 1895-1900.	1.5	86

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145	Prospective Study on Salivary Evening Melatonin and Sleep before and after Pinealectomy in Humans. Journal of Biological Rhythms, 2016, 31, 82-93.	2.6	32
146	Motor areas of the frontal cortex in patients with motor eloquent brain lesions. Journal of Neurosurgery, 2016, 125, 1431-1442.	1.6	26
147	Safety and tolerability of navigated TMS in healthy volunteers. Clinical Neurophysiology, 2016, 127, 1916-1918.	1.5	20
148	Correlating subcortical interhemispheric connectivity and cortical hemispheric dominance in brain tumor patients: A repetitive navigated transcranial magnetic stimulation study. Clinical Neurology and Neurosurgery, 2016, 141, 56-64.	1.4	4
149	Cortical distribution of speech and language errors investigated by visual object naming and navigated transcranial magnetic stimulation. Brain Structure and Function, 2016, 221, 2259-2286.	2.3	42
150	Intraoperative neuromonitoring for function-guided resection differs for supratentorial motor eloquent gliomas and metastases. BMC Neurology, 2015, 15, 211.	1.8	26
151	We Need to Consult Our Patients with Cervical Spondylotic Myelopathy on Strong Data. World Neurosurgery, 2015, 84, 218-219.	1.3	2
152	Effect of Small Molecule Vasopressin V_{1a} and V₂ Receptor Antagonists on Brain Edema Formation and Secondary Brain Damage following Traumatic Brain Injury in Mice. Journal of Neurotrauma, 2015, 32, 221-227.	3.4	31
153	Functional preoperative and intraoperative mapping and monitoring: increasing safety and efficacy in glioma surgery. Neurosurgical Focus, 2015, 38, E3.	2.3	113
154	nTMS-based DTI fiber tracking for language pathways correlates with language function and aphasia â€“ A case report. Clinical Neurology and Neurosurgery, 2015, 136, 25-28.	1.4	33
155	Intraoperative subcortical motor evoked potential stimulation: how close is the corticospinal tract?. Journal of Neurosurgery, 2015, 123, 711-720.	1.6	71
156	Cortical regions involved in semantic processing investigated by repetitive navigated transcranial magnetic stimulation and object naming. Neuropsychologia, 2015, 70, 185-195.	1.6	13
157	Stimulation frequency determines the distribution of language positive cortical regions during navigated transcranial magnetic brain stimulation. BMC Neuroscience, 2015, 16, 5.	1.9	25
158	The impact of preoperative language mapping by repetitive navigated transcranial magnetic stimulation on the clinical course of brain tumor patients. BMC Cancer, 2015, 15, 261.	2.6	62
159	The impact of repetitive navigated transcranial magnetic stimulation coil positioning and stimulation parameters on human language function. European Journal of Medical Research, 2015, 20, 47.	2.2	26
160	Impairment of preoperative language mapping by lesion location: a functional magnetic resonance imaging, navigated transcranial magnetic stimulation, and direct cortical stimulation study. Journal of Neurosurgery, 2015, 123, 314-324.	1.6	76
161	Combined noninvasive language mapping by navigated transcranial magnetic stimulation and functional MRI and its comparison with direct cortical stimulation. Journal of Neurosurgery, 2015, 123, 212-225.	1.6	97
162	Changing the clinical course of glioma patients by preoperative motor mapping with navigated transcranial magnetic brain stimulation. BMC Cancer, 2015, 15, 231.	2.6	58

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164	Task Type Affects Location of Language-Positive Cortical Regions by Repetitive Navigated Transcranial Magnetic Stimulation Mapping. PLoS ONE, 2015, 10, e0125298.	2.5	33
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