

Marcel A Kamp

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

2,393
citations

257450

24
h-index

265206

42
g-index

105
all docs

105
docs citations

105
times ranked

3059
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-Animal Models in Experimental Subarachnoid Hemorrhage Research: Potentials and the Dilemma of the Translation from Bench to Bedside. <i>Translational Stroke Research</i> , 2022, 13, 218-221.	4.2	1
2	Synthetic vascular grafts as a new treatment option for space-occupying tumor bed cysts. <i>Acta Neurochirurgica</i> , 2022, , 1.	1.7	0
3	Occurrence of adjacent segment fractures after surgical treatment of an osteoporotic vertebral fracture: a retrospective comparison between two different treatment methods. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2022, , .	2.4	2
4	Age-stratified clinical performance and survival of patients with IDH-wildtype glioblastoma homogeneously treated by radiotherapy with concomitant and maintenance temozolomide. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 253-262.	2.5	8
5	Vagus nerve stimulation in patients with Lennoxâ€Gastaut syndrome: A metaâ€analysis. <i>Acta Neurologica Scandinavica</i> , 2021, 143, 497-508.	2.1	20
6	Telomerase reverse transcriptase promoter mutationâ€ and O6-methylguanine DNA methyltransferase promoter methylationâ€mediated sensitivity to temozolomide in isocitrate dehydrogenaseâ€wild-type glioblastoma: is there a link?. <i>European Journal of Cancer</i> , 2021, 147, 84-94.	2.8	10
7	Proposed definition of competencies for surgical neuro-oncology training. <i>Journal of Neuro-Oncology</i> , 2021, 153, 121-131.	2.9	6
8	Direct Cortical Stimulation in Neurosurgical Emergencies: Single-Center Experience in 2 Patients. <i>World Neurosurgery</i> , 2021, 150, 147-152.	1.3	1
9	MTT Heterogeneity in Perfusion CT Imaging as a Predictor of Outcome after Aneurysmal SAH. <i>American Journal of Neuroradiology</i> , 2021, 42, 1387-1395.	2.4	8
10	Quantifying the burden of disease in patients with Lennox Gastaut syndrome. <i>Epilepsy and Behavior Reports</i> , 2021, 16, 100508.	1.0	3
11	Determination of optimal time window for cortical mapping in awake craniotomy: assessment of intraoperative reaction speed. <i>Neurosurgical Review</i> , 2020, 43, 633-642.	2.4	4
12	Transcranial Doppler Ultrasound, Perfusion Computerized Tomography, and Cerebral Angiography Identify Different Pathological Entities and Supplement Each Other in the Diagnosis of Delayed Cerebral Ischemia. <i>Acta Neurochirurgica Supplementum</i> , 2020, 127, 155-160.	1.0	7
13	Experimental Aneurysmal Subarachnoid Hemorrhage: Tiding Over. <i>Translational Stroke Research</i> , 2020, 11, 1-3.	4.2	16
14	Meteorological factors for subarachnoid hemorrhage in the greater DÃ¼sseldorf area revisited: a machine learning approach to predict the probability of admission of patients with subarachnoid hemorrhage. <i>Acta Neurochirurgica</i> , 2020, 162, 187-195.	1.7	3
15	Letter to the Editor Regarding â€A Novel Wavelength-Specific Blue Light-Emitting Headlamp for 5-Aminolevulinic Acid Fluorescence-Guided Resection of Glioblastomaâ€. <i>World Neurosurgery</i> , 2020, 133, 436-437.	1.3	1
16	A computational guided, functional validation of a novel therapeutic antibody proposes Notch signaling as a clinical relevant and druggable target in glioma. <i>Scientific Reports</i> , 2020, 10, 16218.	3.3	15
17	The impact of preoperative MRI-based apparent diffusion coefficients on local recurrence and outcome in patients with cerebral metastases. <i>British Journal of Neurosurgery</i> , 2020, , 1-8.	0.8	0
18	Sudden death in epilepsy: There is room for intracranial pressure. <i>Brain and Behavior</i> , 2020, 10, e01838.	2.2	8

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19	Different Calculation Strategies Are Congruent in Determining Chemotherapy Resistance of Brain Tumors In Vitro. Cells, 2020, 9, 2689.	4.1	4
20	Robot technology identifies a Parkinsonian therapeutics repurpose to target stem cells of glioblastoma. CNS Oncology, 2020, 9, CNS58.	3.0	12
21	Proposed Definition of Experimental Secondary Ischemia for Mouse Subarachnoid Hemorrhage. Translational Stroke Research, 2020, 11, 1165-1170.	4.2	6
22	Association between health insurance status and malignant glioma. Neuro-Oncology Practice, 2020, 7, 531-540.	1.6	1
23	Rapalink-1 Targets Glioblastoma Stem Cells and Acts Synergistically with Tumor Treating Fields to Reduce Resistance against Temozolomide. Cancers, 2020, 12, 3859.	3.7	20
24	Metastatic Tumors. , 2020, , 177-182.		0
25	Fundamentals of Clinical Prediction Modeling for the Neurosurgeon. Neurosurgery, 2019, 85, 302-311.	1.1	20
26	Diagnostic impact of additional O-(2-[18F]fluoroethyl)-L-tyrosine (18F-FET) PET following immunotherapy with dendritic cell vaccination in glioblastoma patients. British Journal of Neurosurgery, 2019, , 1-7.	0.8	11
27	Quantification of PpIX-fluorescence of cerebral metastases: a pilot study. Clinical and Experimental Metastasis, 2019, 36, 467-475.	3.3	9
28	Is the Intensity of 5-Aminolevulinic Acidâ€Derived Fluorescence Related to the Light Source?. World Neurosurgery, 2019, 131, e271-e276.	1.3	12
29	Risk factors for in-brain local progression in elderly patients after resection of cerebral metastases. Scientific Reports, 2019, 9, 7431.	3.3	12
30	Modulation of Cav2.3 channels by unconjugated bilirubin (UCB) â€ Candidate mechanism for UCB-induced neuromodulation and neurotoxicity. Molecular and Cellular Neurosciences, 2019, 96, 35-46.	2.2	9
31	30 years of vagus nerve stimulation trials in epilepsy: Do we need neuromodulation-specific trial designs?. Epilepsy Research, 2019, 153, 71-75.	1.6	22
32	Surgery of Small Anterior Skull Base Meningiomas by Endoscopic 5-Aminolevulinic Acid Fluorescence Guidance: First Clinical Experience. World Neurosurgery, 2019, 122, e890-e895.	1.3	11
33	Is 5-ALA fluorescence of cerebral metastases a prognostic factor for local recurrence and overall survival?. Journal of Neuro-Oncology, 2019, 141, 547-553.	2.9	26
34	Is it all a matter of size? Impact of maximization of surgical resection in cerebral tumors. Neurosurgical Review, 2019, 42, 835-842.	2.4	7
35	Surgical Resection Techniques of Central Area Gliomas. , 2019, , 225-237.		0
36	Can the combination of hyperthermia, seizures and ion channel dysfunction cause fatal post-ictal cerebral edema in patients with SCN1A mutations?. Epilepsy & Behavior Case Reports, 2018, 9, 29-32.	1.5	3

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37	Predictors for a further local in-brain progression after re-craniotomy of locally recurrent cerebral metastases. <i>Neurosurgical Review</i> , 2018, 41, 813-823.	2.4	11
38	5-ALA-Induced Fluorescence in Leptomeningeal Dissemination of Spinal Malignant Glioma. <i>World Neurosurgery</i> , 2018, 110, 345-348.	1.3	10
39	The impact of cerebral metastases growth pattern on neurosurgical treatment. <i>Neurosurgical Review</i> , 2018, 41, 77-86.	2.4	27
40	Various shades of red—a systematic analysis of qualitative estimation of ALA-derived fluorescence in neurosurgery. <i>Neurosurgical Review</i> , 2018, 41, 3-18.	2.4	24
41	An introduction to the pathophysiology of aneurysmal subarachnoid hemorrhage. <i>Neurosurgical Review</i> , 2018, 41, 917-930.	2.4	78
42	Predictive anatomical factors for rupture in middle cerebral artery mirror bifurcation aneurysms. <i>Journal of Neurosurgery</i> , 2018, 128, 1799-1807.	1.6	16
43	Symptomatic communicating hydrocephalus in a contemporary cohort of high grade glioma patients. <i>British Journal of Neurosurgery</i> , 2018, 32, 68-72.	0.8	3
44	5-ALA fluorescence behavior of cerebral infectious and inflammatory disease. <i>Neurosurgical Review</i> , 2018, 41, 365-369.	2.4	3
45	Volume of cerebrospinal fluid drainage as a predictor for pretreatment aneurysmal rebleeding. <i>Journal of Neurosurgery</i> , 2018, 128, 1778-1784.	1.6	12
46	Quantification of ALA-fluorescence induced by a modified commercially available head lamp and a surgical microscope. <i>Neurosurgical Review</i> , 2018, 41, 1079-1083.	2.4	9
47	A randomized controlled phase II trial of vaccination with lysate-loaded, mature dendritic cells integrated into standard radiochemotherapy of newly diagnosed glioblastoma (GlioVax): study protocol for a randomized controlled trial. <i>Trials</i> , 2018, 19, 293.	1.6	27
48	Impact of distress screening algorithm for psycho-oncological needs in neurosurgical patients. <i>Oncotarget</i> , 2018, 9, 31650-31663.	1.8	15
49	Outcome following surgical treatment of chronic subdural hematoma in the oldest-old population. <i>Neurosurgical Review</i> , 2017, 40, 461-468.	2.4	22
50	A Systematic and Meta-Analysis of Mortality in Experimental Mouse Models Analyzing Delayed Cerebral Ischemia After Subarachnoid Hemorrhage. <i>Translational Stroke Research</i> , 2017, 8, 206-219.	4.2	27
51	Intraoperative Indocyanine Green-Based Cortical Perfusion Assessment in Patients Suffering from Severe Traumatic Brain Injury. <i>World Neurosurgery</i> , 2017, 101, 431-443.	1.3	13
52	Outcome following surgical treatment of chronic subdural hematoma in the oldest-old population. <i>Neurosurgical Review</i> , 2017, 40, 527-528.	2.4	9
53	Recurrence Pattern Analysis of Primary Glioblastoma. <i>World Neurosurgery</i> , 2017, 103, 733-740.	1.3	76
54	Space-Occupying Tumor Bed Cysts as a Complication of Modern Treatment for High-Grade Glioma. <i>World Neurosurgery</i> , 2017, 104, 509-515.	1.3	8

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55	Subarachnoid Hemorrhage in Germany Between 2010 and 2013: Estimated Incidence Rates Based on a Nationwide Hospital Discharge Registry. <i>World Neurosurgery</i> , 2017, 104, 516-521.	1.3	11
56	Life-threatening posterior reversible encephalopathy syndrome in the cerebellum treated by posterior fossa decompression. <i>Acta Neurochirurgica</i> , 2017, 159, 1325-1328.	1.7	8
57	5-Aminolevulinic acid-based photodynamic therapy of chordoma: In vitro experiments on a human tumor cell line. <i>Photodiagnosis and Photodynamic Therapy</i> , 2017, 20, 111-115.	2.6	13
58	Fluorescence Behavior and Dural Infiltration of Meningioma Analyzed by 5-Aminolevulinic Acid-Based Fluorescence: Operating Microscope Versus Mini-Spectrometer. <i>World Neurosurgery</i> , 2017, 108, 118-127.	1.3	21
59	Epidermal Growth Factor Receptor Variant III (EGFRvIII) Positivity in EGFR-Amplified Glioblastomas: Prognostic Role and Comparison between Primary and Recurrent Tumors. <i>Clinical Cancer Research</i> , 2017, 23, 6846-6855.	7.0	151
60	Cav2.3 (R-Type) Calcium Channels are Critical for Mediating Anticonvulsive and Neuroprotective Properties of Lamotrigine In Vivo. <i>Cellular Physiology and Biochemistry</i> , 2017, 44, 935-947.	1.6	26
61	Efficacy of adjunctive vagus nerve stimulation in patients with Dravet syndrome: A meta-analysis of 68 patients. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2017, 50, 147-152.	2.0	40
62	5-Aminolaevulinic Acid-Induced Fluorescence in Primary Central Nervous System Lymphoma. <i>World Neurosurgery</i> , 2017, 98, 375-380.	1.3	32
63	Radiation injury vs. recurrent brain metastasis: combining textural feature radiomics analysis and standard parameters may increase 18F-FET PET accuracy without dynamic scans. <i>European Radiology</i> , 2017, 27, 2916-2927.	4.5	81
64	Increased mortality of patients with aneurysmatic subarachnoid hemorrhage caused by prolonged transport time to a high-volume neurosurgical unit. <i>American Journal of Emergency Medicine</i> , 2017, 35, 45-50.	1.6	14
65	Aneurysmal Subarachnoid Hemorrhage. <i>Deutsches Arzteblatt International</i> , 2017, 114, 226-236.	0.9	81
66	Correlation of psychooncological distress- screening and quality of life assessment in neurosurgical patients. <i>Oncotarget</i> , 2017, 8, 111396-111404.	1.8	14
67	Efficacy of 5-aminolevulinic acid based photodynamic therapy in pituitary adenomas—experimental study on rat and human cell cultures. <i>Photodiagnosis and Photodynamic Therapy</i> , 2016, 14, 77-83.	2.6	12
68	Demographic distribution of hospital admissions for brain arteriovenous malformations in Germany—estimation of the natural course with the big-data approach. <i>Acta Neurochirurgica</i> , 2016, 158, 791-796.	1.7	10
69	5-ALA fluorescence of cerebral metastases and its impact for the local-in-brain progression. <i>Oncotarget</i> , 2016, 7, 66776-66789.	1.8	72
70	Uptake and tracer kinetics of O-(2-18F-fluoroethyl)-l-tyrosine in meningiomas: preliminary results. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 459-467.	6.4	24
71	The influence of decompressive craniectomy for major stroke on early cerebral perfusion. <i>Journal of Neurosurgery</i> , 2015, 123, 59-64.	1.6	17
72	Incidence of local in-brain progression after supramarginal resection of cerebral metastases. <i>Acta Neurochirurgica</i> , 2015, 157, 905-911.	1.7	52

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73	5-ALA-induced fluorescence behavior of reactive tissue changes following glioblastoma treatment with radiation and chemotherapy. <i>Acta Neurochirurgica</i> , 2015, 157, 207-214.	1.7	55
74	Training for brain tumour resection: a realistic model with easy accessibility. <i>Acta Neurochirurgica</i> , 2015, 157, 1975-1981.	1.7	19
75	Early postoperative magnet resonance tomography after resection of cerebral metastases. <i>Acta Neurochirurgica</i> , 2015, 157, 1573-1580.	1.7	61
76	Perioperative Measures to Improve Outcome After Subarachnoid Hemorrhage—Revisiting the Concept of Secondary Brain Injury. <i>Acta Neurochirurgica Supplementum</i> , 2015, 120, 211-216.	1.0	8
77	Evaluation of a Murine Single-Blood-Injection SAH Model. <i>PLoS ONE</i> , 2014, 9, e114946.	2.5	18
78	Cardiac phenomena during kainic-acid induced epilepsy and lamotrigine antiepileptic therapy. <i>Epilepsy Research</i> , 2014, 108, 666-674.	1.6	15
79	Endoscopic-Assisted Visualization of 5-Aminolevulinic Acid-Induced Fluorescence in Malignant Glioma Surgery: A Technical Note. <i>World Neurosurgery</i> , 2014, 82, e277-e279.	1.3	48
80	ecancermedalscience. <i>Ecancermedalscience</i> , 2013, 7, 306.	1.1	22
81	Impact of the moon on cerebral aneurysm rupture. <i>Acta Neurochirurgica</i> , 2013, 155, 1525-1530.	1.7	7
82	Evidence for direct impairment of neuronal function by subarachnoid metabolites following SAH. <i>Acta Neurochirurgica</i> , 2013, 155, 255-260.	1.7	12
83	The impact of fluorescence guidance on spinal intradural tumour surgery. <i>European Spine Journal</i> , 2013, 22, 1394-1401.	2.2	55
84	Radiobiology of Radiosurgery for the Central Nervous System. <i>BioMed Research International</i> , 2013, 2013, 1-9.	1.9	32
85	Cerebral Perfusion Changes in Chronic Subdural Hematoma. <i>Journal of Neurotrauma</i> , 2013, 30, 347-351.	3.4	19
86	Protein Interaction Partners of Cav2.3 R-Type Voltage-Gated Calcium Channels. , 2013, , 151-174.		1
87	Calcium and Potassium Channels in Experimental Subarachnoid Hemorrhage and Transient Global Ischemia. <i>Stroke Research and Treatment</i> , 2012, 2012, 1-8.	0.8	19
88	Diversity of presynaptic calcium channels displaying different synaptic properties. <i>Reviews in the Neurosciences</i> , 2012, 23, 179-90.	2.9	18
89	Local Delivery of Nimodipine by Prolonged-Release Microparticles—Feasibility, Effectiveness and Dose-Finding in Experimental Subarachnoid Hemorrhage. <i>PLoS ONE</i> , 2012, 7, e42597.	2.5	17
90	Microscope-Integrated Quantitative Analysis of Intraoperative Indocyanine Green Fluorescence Angiography for Blood Flow Assessment. <i>Operative Neurosurgery</i> , 2012, 70, ons65-ons74.	0.8	54

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91	Proof of principle: supramarginal resection of cerebral metastases in eloquent brain areas. Acta Neurochirurgica, 2012, 154, 1981-1986.	1.7	63
92	The C-terminus of human Cav2.3 voltage-gated calcium channel interacts with alternatively spliced calmodulin-2 expressed in two human cell lines. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 1045-1057.	2.3	6
93	Is it a glioblastoma? In dubio pro 5-ALA!. Acta Neurochirurgica, 2012, 154, 1269-1273.	1.7	12
94	5-Aminolevulinic acid (5-ALA)-induced fluorescence in intracerebral metastases: a retrospective study. Acta Neurochirurgica, 2012, 154, 223-228.	1.7	123
95	Early CT Perfusion Measurement After Aneurysmal Subarachnoid Hemorrhage: A Screening Method to Predict Outcome?. Acta Neurochirurgica Supplementum, 2012, 114, 329-332.	1.0	23
96	Nonenhanced ECG-gated time-resolved 4D Steady-state free precession (SSFP) MR angiography (MRA) for assessment of cerebral collateral flow: comparison with digital subtraction angiography (DSA). European Radiology, 2011, 21, 1329-1338.	4.5	16
97	Secretory meningiomas: systematic analysis of epidemiological, clinical, and radiological features. Acta Neurochirurgica, 2011, 153, 457-465.	1.7	12
98	Traumatic brain injuries in illustrated literature: experience from a series of over 700 head injuries in the Asterix comic books. Acta Neurochirurgica, 2011, 153, 1351-1355.	1.7	16
99	Reply to the comment re: "Traumatic brain injuries in illustrated literature: experience from a series of over 700 head injuries in the Asterix comic books" by Nikolas Lloyd. Acta Neurochirurgica, 2011, 153, 2501-2501.	1.7	0
100	Ca ^v 2.3 Ca ²⁺ Channel Interacts with the G1-subunit of V-ATPase. Cellular Physiology and Biochemistry, 2011, 27, 421-432.	1.6	14
101	The importance of surgical resection in malignant glioma. Current Opinion in Neurology, 2009, 22, 645-649.	3.6	77
102	Altered Seizure Susceptibility in Mice Lacking the Cav2.3 E-type Ca ²⁺ Channel. Epilepsia, 2006, 47, 839-850.	5.1	75
103	The Cav2.3 voltage-gated calcium channel in epileptogenesis "Shedding new light on an enigmatic channel. Neuroscience and Biobehavioral Reviews, 2006, 30, 1122-1144.	6.1	59
104	The Molecular Chaperone hsp70 Interacts with the Cytosolic II-III Loop of the Cav2.3 E-type Voltagegated Ca ²⁺ Channel. Cellular Physiology and Biochemistry, 2006, 17, 97-110.	1.6	27