

Marcel A Kamp

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

2,393
citations

293460

24
h-index

299063

42
g-index

105
all docs

105
docs citations

105
times ranked

3249
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.	2.3	1
2	Synthetic vascular grafts as a new treatment option for space-occupying tumor bed cysts. <i>Acta Neurochirurgica</i> , 2022, , 1.	0.9	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, , .	1.3	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.	1.2	8
5	Vagus nerve stimulation in patients with Lennox-Gastaut syndrome: A meta-analysis. <i>Acta Neurologica Scandinavica</i> , 2021, 143, 497-508.	1.0	20
6	Telomerase reverse transcriptase promoter mutation and O6-methylguanine DNA methyltransferase promoter methylation-mediated sensitivity to temozolomide in isocitrate dehydrogenase-wild-type glioblastoma: is there a link?. <i>European Journal of Cancer</i> , 2021, 147, 84-94.	1.3	10
7	Proposed definition of competencies for surgical neuro-oncology training. <i>Journal of Neuro-Oncology</i> , 2021, 153, 121-131.	1.4	6
8	Direct Cortical Stimulation in Neurosurgical Emergencies: Single-Center Experience in 2 Patients. <i>World Neurosurgery</i> , 2021, 150, 147-152.	0.7	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.	1.2	8
10	Quantifying the burden of disease in patients with Lennox Gastaut syndrome. <i>Epilepsy and Behavior Reports</i> , 2021, 16, 100508.	0.5	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.	1.2	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.	0.5	7
13	Experimental Aneurysmal Subarachnoid Hemorrhage: Tiding Over. <i>Translational Stroke Research</i> , 2020, 11, 1-3.	2.3	16
14	Meteorological factors for subarachnoid hemorrhage in the greater Düsseldorf 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.	0.9	3
15	Letter to the Editor Regarding "A Novel Wavelength-Specific Blue Light-Emitting Headlamp for 5-Aminolevulinic Acid Fluorescence-Guided Resection of Glioblastoma". <i>World Neurosurgery</i> , 2020, 133, 436-437.	0.7	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.	1.6	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.	0.4	0
18	Sudden death in epilepsy: There is room for intracranial pressure. <i>Brain and Behavior</i> , 2020, 10, e01838.	1.0	8

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19	Different Calculation Strategies Are Congruent in Determining Chemotherapy Resistance of Brain Tumors In Vitro. <i>Cells</i> , 2020, 9, 2689.	1.8	4
20	Robot technology identifies a Parkinsonian therapeutics repurpose to target stem cells of glioblastoma. <i>CNS Oncology</i> , 2020, 9, CNS58.	1.2	12
21	Proposed Definition of Experimental Secondary Ischemia for Mouse Subarachnoid Hemorrhage. <i>Translational Stroke Research</i> , 2020, 11, 1165-1170.	2.3	6
22	Association between health insurance status and malignant glioma. <i>Neuro-Oncology Practice</i> , 2020, 7, 531-540.	1.0	1
23	Rapalink-1 Targets Glioblastoma Stem Cells and Acts Synergistically with Tumor Treating Fields to Reduce Resistance against Temozolomide. <i>Cancers</i> , 2020, 12, 3859.	1.7	20
24	Metastatic Tumors. , 2020, , 177-182.		0
25	Fundamentals of Clinical Prediction Modeling for the Neurosurgeon. <i>Neurosurgery</i> , 2019, 85, 302-311.	0.6	20
26	Diagnostic impact of additional O-(2-[18F]fluoroethyl)-L-tyrosine (18F-FET) PET following immunotherapy with dendritic cell vaccination in glioblastoma patients. <i>British Journal of Neurosurgery</i> , 2019, , 1-7.	0.4	11
27	Quantification of PpIX-fluorescence of cerebral metastases: a pilot study. <i>Clinical and Experimental Metastasis</i> , 2019, 36, 467-475.	1.7	9
28	Is the Intensity of 5-Aminolevulinic Acid-derived Fluorescence Related to the Light Source?. <i>World Neurosurgery</i> , 2019, 131, e271-e276.	0.7	12
29	Risk factors for in-brain local progression in elderly patients after resection of cerebral metastases. <i>Scientific Reports</i> , 2019, 9, 7431.	1.6	12
30	Modulation of Cav2.3 channels by unconjugated bilirubin (UCB) – Candidate mechanism for UCB-induced neuromodulation and neurotoxicity. <i>Molecular and Cellular Neurosciences</i> , 2019, 96, 35-46.	1.0	9
31	30 years of vagus nerve stimulation trials in epilepsy: Do we need neuromodulation-specific trial designs?. <i>Epilepsy Research</i> , 2019, 153, 71-75.	0.8	22
32	Surgery of Small Anterior Skull Base Meningiomas by Endoscopic 5-Aminolevulinic Acid Fluorescence Guidance: First Clinical Experience. <i>World Neurosurgery</i> , 2019, 122, e890-e895.	0.7	11
33	Is 5-ALA fluorescence of cerebral metastases a prognostic factor for local recurrence and overall survival?. <i>Journal of Neuro-Oncology</i> , 2019, 141, 547-553.	1.4	26
34	Is it all a matter of size? Impact of maximization of surgical resection in cerebral tumors. <i>Neurosurgical Review</i> , 2019, 42, 835-842.	1.2	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?. <i>Epilepsy & Behavior Case Reports</i> , 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.	1.2	11
38	5-ALA-Induced Fluorescence in Leptomeningeal Dissemination of Spinal Malignant Glioma. <i>World Neurosurgery</i> , 2018, 110, 345-348.	0.7	10
39	The impact of cerebral metastases growth pattern on neurosurgical treatment. <i>Neurosurgical Review</i> , 2018, 41, 77-86.	1.2	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.	1.2	24
41	An introduction to the pathophysiology of aneurysmal subarachnoid hemorrhage. <i>Neurosurgical Review</i> , 2018, 41, 917-930.	1.2	78
42	Predictive anatomical factors for rupture in middle cerebral artery mirror bifurcation aneurysms. <i>Journal of Neurosurgery</i> , 2018, 128, 1799-1807.	0.9	16
43	Symptomatic communicating hydrocephalus in a contemporary cohort of high grade glioma patients. <i>British Journal of Neurosurgery</i> , 2018, 32, 68-72.	0.4	3
44	5-ALA fluorescence behavior of cerebral infectious and inflammatory disease. <i>Neurosurgical Review</i> , 2018, 41, 365-369.	1.2	3
45	Volume of cerebrospinal fluid drainage as a predictor for pretreatment aneurysmal rebleeding. <i>Journal of Neurosurgery</i> , 2018, 128, 1778-1784.	0.9	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.	1.2	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.	0.7	27
48	Impact of distress screening algorithm for psycho-oncological needs in neurosurgical patients. <i>Oncotarget</i> , 2018, 9, 31650-31663.	0.8	15
49	Outcome following surgical treatment of chronic subdural hematoma in the oldest-old population. <i>Neurosurgical Review</i> , 2017, 40, 461-468.	1.2	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.	2.3	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.	0.7	13
52	Outcome following surgical treatment of chronic subdural hematoma in the oldest-old population. <i>Neurosurgical Review</i> , 2017, 40, 527-528.	1.2	9
53	Recurrence Pattern Analysis of Primary Glioblastoma. <i>World Neurosurgery</i> , 2017, 103, 733-740.	0.7	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.	0.7	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.	0.7	11
56	Life-threatening posterior reversible encephalopathy syndrome in the cerebellum treated by posterior fossa decompression. <i>Acta Neurochirurgica</i> , 2017, 159, 1325-1328.	0.9	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.	1.3	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.	0.7	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.	3.2	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.	1.1	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.	0.9	40
62	5-Aminolaevulinic Acid-Induced Fluorescence in Primary Central Nervous System Lymphoma. <i>World Neurosurgery</i> , 2017, 98, 375-380.	0.7	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.	2.3	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.	0.7	14
65	Aneurysmal Subarachnoid Hemorrhage. <i>Deutsches A&#x0308;rztblatt International</i> , 2017, 114, 226-236.	0.6	81
66	Correlation of psychooncological distress- screening and quality of life assessment in neurosurgical patients. <i>Oncotarget</i> , 2017, 8, 111396-111404.	0.8	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.	1.3	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.	0.9	10
69	5-ALA fluorescence of cerebral metastases and its impact for the local-in-brain progression. <i>Oncotarget</i> , 2016, 7, 66776-66789.	0.8	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.	3.3	24
71	The influence of decompressive craniectomy for major stroke on early cerebral perfusion. <i>Journal of Neurosurgery</i> , 2015, 123, 59-64.	0.9	17
72	Incidence of local in-brain progression after supramarginal resection of cerebral metastases. <i>Acta Neurochirurgica</i> , 2015, 157, 905-911.	0.9	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.	0.9	55
74	Training for brain tumour resection: a realistic model with easy accessibility. <i>Acta Neurochirurgica</i> , 2015, 157, 1975-1981.	0.9	19
75	Early postoperative magnet resonance tomography after resection of cerebral metastases. <i>Acta Neurochirurgica</i> , 2015, 157, 1573-1580.	0.9	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.	0.5	8
77	Evaluation of a Murine Single-Blood-Injection SAH Model. <i>PLoS ONE</i> , 2014, 9, e114946.	1.1	18
78	Cardiac phenomena during kainic-acid induced epilepsy and lamotrigine antiepileptic therapy. <i>Epilepsy Research</i> , 2014, 108, 666-674.	0.8	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.	0.7	48
80	ecancermedalscience. <i>Ecancermedalscience</i> , 2013, 7, 306.	0.6	22
81	Impact of the moon on cerebral aneurysm rupture. <i>Acta Neurochirurgica</i> , 2013, 155, 1525-1530.	0.9	7
82	Evidence for direct impairment of neuronal function by subarachnoid metabolites following SAH. <i>Acta Neurochirurgica</i> , 2013, 155, 255-260.	0.9	12
83	The impact of fluorescence guidance on spinal intradural tumour surgery. <i>European Spine Journal</i> , 2013, 22, 1394-1401.	1.0	55
84	Radiobiology of Radiosurgery for the Central Nervous System. <i>BioMed Research International</i> , 2013, 2013, 1-9.	0.9	32
85	Cerebral Perfusion Changes in Chronic Subdural Hematoma. <i>Journal of Neurotrauma</i> , 2013, 30, 347-351.	1.7	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.	0.5	19
88	Diversity of presynaptic calcium channels displaying different synaptic properties. <i>Reviews in the Neurosciences</i> , 2012, 23, 179-90.	1.4	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.	1.1	17
90	Microscope-Integrated Quantitative Analysis of Intraoperative Indocyanine Green Fluorescence Angiography for Blood Flow Assessment. <i>Operative Neurosurgery</i> , 2012, 70, ons65-ons74.	0.4	54

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91	Proof of principle: supramarginal resection of cerebral metastases in eloquent brain areas. <i>Acta Neurochirurgica</i> , 2012, 154, 1981-1986.	0.9	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. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 1045-1057.	1.1	6
93	Is it a glioblastoma? In dubio pro 5-ALA!. <i>Acta Neurochirurgica</i> , 2012, 154, 1269-1273.	0.9	12
94	5-Aminolevulinic acid (5-ALA)-induced fluorescence in intracerebral metastases: a retrospective study. <i>Acta Neurochirurgica</i> , 2012, 154, 223-228.	0.9	123
95	Early CT Perfusion Measurement After Aneurysmal Subarachnoid Hemorrhage: A Screening Method to Predict Outcome?. <i>Acta Neurochirurgica Supplementum</i> , 2012, 114, 329-332.	0.5	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). <i>European Radiology</i> , 2011, 21, 1329-1338.	2.3	16
97	Secretory meningiomas: systematic analysis of epidemiological, clinical, and radiological features. <i>Acta Neurochirurgica</i> , 2011, 153, 457-465.	0.9	12
98	Traumatic brain injuries in illustrated literature: experience from a series of over 700 head injuries in the Asterix comic books. <i>Acta Neurochirurgica</i> , 2011, 153, 1351-1355.	0.9	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. <i>Acta Neurochirurgica</i> , 2011, 153, 2501-2501.	0.9	0
100	Ca ^v 2.3 Ca ²⁺ Channel Interacts with the G1-subunit of V-ATPase. <i>Cellular Physiology and Biochemistry</i> , 2011, 27, 421-432.	1.1	14
101	The importance of surgical resection in malignant glioma. <i>Current Opinion in Neurology</i> , 2009, 22, 645-649.	1.8	77
102	Altered Seizure Susceptibility in Mice Lacking the Cav2.3 E-type Ca ²⁺ Channel. <i>Epilepsia</i> , 2006, 47, 839-850.	2.6	75
103	The Cav2.3 voltage-gated calcium channel in epileptogenesis "Shedding new light on an enigmatic channel. <i>Neuroscience and Biobehavioral Reviews</i> , 2006, 30, 1122-1144.	2.9	59
104	The Molecular Chaperone hsp70 Interacts with the Cytosolic II-III Loop of the Cav2.3 E-type Voltagegated Ca ²⁺ Channel. <i>Cellular Physiology and Biochemistry</i> , 2006, 17, 97-110.	1.1	27