

Gabriele Schackert

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

3,489
citations

361413

20
h-index

149698

56
g-index

71
all docs

71
docs citations

71
times ranked

6675
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of cortical hemodynamic changes following sensory, visual, and speech activation by intraoperative optical imaging utilizing phase-based evaluation methods. <i>Human Brain Mapping</i> , 2022, 43, 598-615.	3.6	5
2	Implementation of <i>TERT</i> promoter mutations improve prognostication of the WHO classification in meningioma. <i>Neuropathology and Applied Neurobiology</i> , 2022, 48, .	3.2	8
3	Targeted Transposition of Minicircle DNA Using Single-Chain Antibody Conjugated Cyclodextrin-Modified Poly (Propylene Imine) Nanocarriers. <i>Cancers</i> , 2022, 14, 1925.	3.7	1
4	NKG2C+ NK Cells for Immunotherapy of Glioblastoma Multiforme. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5857.	4.1	9
5	Correlation of biomechanics and cancer cell phenotype by combined Brillouin and Raman spectroscopy of U87-MG glioblastoma cells. <i>Journal of the Royal Society Interface</i> , 2022, 19, .	3.4	4
6	Sporadic multiple meningiomas harbor distinct driver mutations. <i>Acta Neuropathologica Communications</i> , 2021, 9, 8.	5.2	12
7	Prospects of immune checkpoint blockade and vaccine-based immunotherapy for glioblastoma. <i>Innovative Surgical Sciences</i> , 2021, 6, 35-48.	0.7	2
8	Clinical and scientific advances in neurosurgery. <i>Innovative Surgical Sciences</i> , 2021, 6, 1-2.	0.7	1
9	GliPR1 knockdown by RNA interference exerts anti-glioma effects in vitro and in vivo. <i>Journal of Neuro-Oncology</i> , 2021, 153, 23-32.	2.9	4
10	Brillouin Spectroscopy as an Innovative Tool to Investigate Biomechanical Properties of Native Human Aortic Valve and Bioprostheses Tissue. <i>Structural Heart</i> , 2021, 5, 29.	0.6	3
11	Do statins reduce the rate of revision surgery after chronic subdural hematoma drain?. <i>Acta Neurochirurgica</i> , 2021, 163, 1843-1848.	1.7	4
12	Targeted RNAi of BIRC5/Survivin Using Antibody-Conjugated Poly(Propylene Imine)-Based Polyplexes Inhibits Growth of PSCA-Positive Tumors. <i>Pharmaceutics</i> , 2021, 13, 676.	4.5	13
13	Brillouin confocal microscopy to determine biomechanical properties of SULEEI-treated bovine pericardium for application in cardiac surgery. <i>Clinical Hemorheology and Microcirculation</i> , 2021, 79, 179-192.	1.7	2
14	Bevacizumab versus alkylating chemotherapy in recurrent glioblastoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2020, 146, 659-670.	2.5	14
15	Parcellation of the Subthalamic Nucleus in Parkinson's Disease: A Retrospective Analysis of Atlas- and Diffusion-Based Methods. <i>Stereotactic and Functional Neurosurgery</i> , 2020, 98, 416-423.	1.5	6
16	Label-free multiphoton imaging allows brain tumor recognition based on texture analysis—a study of 382 tumor patients. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa035.	0.7	11
17	Sigma-1 Receptor Positron Emission Tomography: A New Molecular Imaging Approach Using (S)-(α)-[18F]Fluspidine in Glioblastoma. <i>Molecules</i> , 2020, 25, 2170.	3.8	5
18	Comparison of Automatic Segmentation Algorithms for the Subthalamic Nucleus. <i>Stereotactic and Functional Neurosurgery</i> , 2020, 98, 256-262.	1.5	7

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19	Assessment of cutaneous axon-reflex responses to evaluate functional integrity of autonomic small nerve fibers. <i>Neurological Sciences</i> , 2020, 41, 1685-1696.	1.9	15
20	Artificial feeder cells expressing ligands for killer cell immunoglobulin-like receptors and CD94/NKG2A for expansion of functional primary natural killer cells with tolerance to self. <i>Cytotherapy</i> , 2020, 22, 354-368.	0.7	8
21	Mapping of language and motor function during awake neurosurgery with intraoperative optical imaging. <i>Neurosurgical Focus</i> , 2020, 48, E3.	2.3	10
22	Somatosensory functional MRI tractography for individualized targeting of deep brain stimulation in patients with chronic pain after brachial plexus injury. <i>Acta Neurochirurgica</i> , 2019, 161, 2485-2490.	1.7	10
23	Rapid Label-Free Analysis of Brain Tumor Biopsies by Near Infrared Raman and Fluorescence Spectroscopy—A Study of 209 Patients. <i>Frontiers in Oncology</i> , 2019, 9, 1165.	2.8	29
24	Label-free Imaging of Tissue Architecture during Axolotl Peripheral Nerve Regeneration in Comparison to Functional Recovery. <i>Scientific Reports</i> , 2019, 9, 12641.	3.3	3
25	Clinical Validation of Quality Improvements Using the Six Sigma Concept: A Case Study for Deep Brain Stimulation in Parkinson's Disease. <i>Stereotactic and Functional Neurosurgery</i> , 2019, 97, 195-201.	1.5	2
26	Identification of distinctive features in human intracranial tumors by label-free nonlinear multimodal microscopy. <i>Journal of Biophotonics</i> , 2019, 12, e201800465.	2.3	10
27	Targeted delivery of TLR3 agonist to tumor cells with single chain antibody fragment-conjugated nanoparticles induces type I-interferon response and apoptosis. <i>Scientific Reports</i> , 2019, 9, 3299.	3.3	30
28	Mutant IDH1 Differently Affects Redox State and Metabolism in Glial Cells of Normal and Tumor Origin. <i>Cancers</i> , 2019, 11, 2028.	3.7	23
29	Olfactory bulb volume changes associated with trans-sphenoidal pituitary surgery. <i>PLoS ONE</i> , 2019, 14, e0224594.	2.5	4
30	Decompressive Hemispherectomy in Elderly Patients With Space-Occupying Infarction (DECAP): A Prospective Observational Study. <i>Neurocritical Care</i> , 2019, 31, 97-106.	2.4	6
31	Radiographic assessment of contrast enhancement and T2/FLAIR mismatch sign in lower grade gliomas: correlation with molecular groups. <i>Journal of Neuro-Oncology</i> , 2019, 141, 327-335.	2.9	72
32	Intraoperative optical imaging of metabolic changes after direct cortical stimulation – a clinical tool for guidance during tumor resection?. <i>Biomedizinische Technik</i> , 2018, 63, 587-594.	0.8	5
33	Optical molecular imaging of corpora amylacea in human brain tissue. <i>Biomedizinische Technik</i> , 2018, 63, 579-585.	0.8	7
34	DNA methylation-based classification of central nervous system tumours. <i>Nature</i> , 2018, 555, 469-474.	27.8	1,872
35	Non-functionalized soft alginate hydrogel promotes locomotor recovery after spinal cord injury in a rat hemimyelonection model. <i>Acta Neurochirurgica</i> , 2018, 160, 449-457.	1.7	29
36	Application of thermography for cerebral perfusion imaging during aneurysm surgery. <i>Current Directions in Biomedical Engineering</i> , 2018, 4, 29-32.	0.4	1

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37	IDH1 mutation in human glioma induces chemical alterations that are amenable to optical Raman spectroscopy. <i>Journal of Neuro-Oncology</i> , 2018, 139, 261-268.	2.9	35
38	A Systematic Review of the Semi-Sitting Position in Neurosurgical Patients with Patent Foramen Ovale: How Frequent Is Paradoxical Embolism?. <i>World Neurosurgery</i> , 2018, 115, 196-200.	1.3	21
39	DNA methylation-based classification of ependymomas in adulthood: implications for diagnosis and treatment. <i>Neuro-Oncology</i> , 2018, 20, 1616-1624.	1.2	65
40	Label-free multiphoton microscopy reveals relevant tissue changes induced by alginate hydrogel implantation in rat spinal cord injury. <i>Scientific Reports</i> , 2018, 8, 10841.	3.3	19
41	DMD genomic deletions characterize a subset of progressive/higher-grade meningiomas with poor outcome. <i>Acta Neuropathologica</i> , 2018, 136, 779-792.	7.7	66
42	Application of the Six Sigma concept for quality assessment of different strategies in DBS surgery. <i>International Journal for Quality in Health Care</i> , 2018, 30, 760-768.	1.8	6
43	Assessing the efficacy of coherent anti-Stokes Raman scattering microscopy for the detection of infiltrating glioblastoma in fresh brain samples. <i>Journal of Biophotonics</i> , 2017, 10, 404-414.	2.3	28
44	Label-free multiphoton microscopy reveals altered tissue architecture in hippocampal sclerosis. <i>Epilepsia</i> , 2017, 58, e1-e5.	5.1	12
45	Targeted sequencing of SMO and AKT1 in anterior skull base meningiomas. <i>Journal of Neurosurgery</i> , 2017, 127, 438-444.	1.6	48
46	A Poly(Propyleneimine) Dendrimer-Based Polyplex-System for Single-Chain Antibody-Mediated Targeted Delivery and Cellular Uptake of siRNA. <i>Small</i> , 2017, 13, 1700072.	10.0	39
47	First clinical results of minimally invasive vector lumbar interbody fusion (MIS-VLIF) in spondylodiscitis and concomitant osteoporosis: a technical note. <i>European Spine Journal</i> , 2017, 26, 3147-3155.	2.2	6
48	Chromosomal instability induced by increased BIRC5/Survivin levels affects tumorigenicity of glioma cells. <i>BMC Cancer</i> , 2017, 17, 889.	2.6	36
49	Enhancing tumor apparent diffusion coefficient histogram skewness stratifies the postoperative survival in recurrent glioblastoma multiforme patients undergoing salvage surgery. <i>Journal of Neuro-Oncology</i> , 2016, 127, 551-557.	2.9	12
50	Janus face-like effects of Aurora B inhibition: antitumoral mode of action versus induction of aneuploid progeny. <i>Carcinogenesis</i> , 2016, 37, 993-1003.	2.8	10
51	PI3K Pathway Inhibition Achieves Potent Antitumor Activity in Melanoma Brain Metastases <i>In Vitro</i> and <i>In Vivo</i> . <i>Clinical Cancer Research</i> , 2016, 22, 5818-5828.	7.0	68
52	Gene-activated fat grafts for the repair of spinal cord injury: a pilot study. <i>Acta Neurochirurgica</i> , 2016, 158, 367-378.	1.7	8
53	Peripheral nerve field stimulation for trigeminal neuralgia, trigeminal neuropathic pain, and persistent idiopathic facial pain. <i>Cephalalgia</i> , 2016, 36, 445-453.	3.9	53
54	Improved Visualization of Intracranial Vessels with Intraoperative Coregistration of Rotational Digital Subtraction Angiography and Intraoperative 3D Ultrasound. <i>PLoS ONE</i> , 2015, 10, e0121345.	2.5	7

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55	Biochemical Monitoring of Spinal Cord Injury by FT-IR Spectroscopyâ€”Effects of Therapeutic Alginate Implant in Rat Models. <i>PLoS ONE</i> , 2015, 10, e0142660.	2.5	20
56	Endogenous Two-Photon Excited Fluorescence Provides Label-Free Visualization of the Inflammatory Response in the Rodent Spinal Cord. <i>BioMed Research International</i> , 2015, 2015, 1-9.	1.9	15
57	DAP12-Based Activating Chimeric Antigen Receptor for NK Cell Tumor Immunotherapy. <i>Journal of Immunology</i> , 2015, 194, 3201-3212.	0.8	175
58	New Therapeutic Option for Drop Foot with the ActiGait Peroneal Nerve Stimulatorâ€”a Technical Note. <i>World Neurosurgery</i> , 2015, 84, 2037-2042.	1.3	13
59	Radio-chemotherapy improves survival in IDH-mutant, 1p/19q non-codeleted secondary high-grade astrocytoma patients. <i>Journal of Neuro-Oncology</i> , 2015, 124, 197-205.	2.9	15
60	Daily drained CSF volume is a predictor for shunt dependence â€” A retrospective study. <i>Clinical Neurology and Neurosurgery</i> , 2015, 138, 147-150.	1.4	13
61	Intrinsic Indicator of Photodamage during Label-Free Multiphoton Microscopy of Cells and Tissues. <i>PLoS ONE</i> , 2014, 9, e110295.	2.5	69
62	3D Reconstitution of the Patterned Neural Tube from Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2014, 3, 987-999.	4.8	175
63	Percutaneous pedicle screw and rod fixation with TLIF in a series of 14 patients with recurrent lumbar disc herniation. <i>Clinical Neurology and Neurosurgery</i> , 2014, 124, 25-31.	1.4	16
64	Label-Free Delineation of Brain Tumors by Coherent Anti-Stokes Raman Scattering Microscopy in an Orthotopic Mouse Model and Human Glioblastoma. <i>PLoS ONE</i> , 2014, 9, e107115.	2.5	77
65	Differential growth inhibition of cerebral metastases by anti-angiogenic compounds. <i>Anticancer Research</i> , 2014, 34, 3293-302.	1.1	4
66	Effects of tissue fixation on coherent anti-Stokes Raman scattering images of brain. <i>Journal of Biomedical Optics</i> , 2013, 19, 071402.	2.6	33
67	Raman and infrared spectroscopic mapping of human primary intracranial tumors: a comparative study. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 367-375.	2.5	76
68	Resection of brain metastases. <i>Acta Chirurgica Austriaca</i> , 1996, 28, 18-23.	0.2	2