

Thomas M Kiefe

List of Publications by Year in descending order

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Version: 2024-02-01

74
papers

1,846
citations

331538

21
h-index

289141

40
g-index

76
all docs

76
docs citations

76
times ranked

1947
citing authors

#	ARTICLE	IF	CITATIONS
1	Association between tissue hypoxia, perfusion restrictions, and microvascular architecture alterations with lesion-induced impairment of neurovascular coupling. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 526-539.	2.4	4
2	Physiological MRI of microvascular architecture, neovascularization activity, and oxygen metabolism facilitate early recurrence detection in patients with IDH-mutant WHO grade 3 glioma. <i>Neuroradiology</i> , 2022, 64, 265-277.	1.1	2
3	A Clarion Call for Neuroinflammatory Assays in Brain Stimulation for Chronic Pain. <i>Brain Sciences</i> , 2022, 12, 364.	1.1	0
4	Deep Brain Stimulation, Stereotactic Radiosurgery and High-Intensity Focused Ultrasound Targeting the Limbic Pain Matrix: A Comprehensive Review. <i>Pain and Therapy</i> , 2022, 11, 459-476.	1.5	7
5	Radiophysiomics: Brain Tumors Classification by Machine Learning and Physiological MRI Data. <i>Cancers</i> , 2022, 14, 2363.	1.7	17
6	Are Transventricular Approaches Associated With Increased Hemorrhage? A Comparative Study in a Series of 624 Deep Brain Stimulation Surgeries. <i>Operative Neurosurgery</i> , 2022, 23, e108-e113.	0.4	4
7	Tissue Hypoxia and Alterations in Microvascular Architecture Predict Glioblastoma Recurrence in Humans. <i>Clinical Cancer Research</i> , 2021, 27, 1641-1649.	3.2	21
8	Burst Motor Cortex Stimulation Evokes Sustained Suppression of Thalamic Stroke Pain: A Narrative Review and Single-Case Overview. <i>Pain and Therapy</i> , 2021, 10, 101-114.	1.5	2
9	Can we use the dynamic and complex interplay between pain and sleep to quantify neuromodulation responsiveness for chronic pain?. <i>Expert Review of Neurotherapeutics</i> , 2021, 21, 141-143.	1.4	0
10	Pallidal Deep Brain Stimulation in Patients with Prior Bilateral Pallidotomy and Selective Peripheral Denervation for Treatment of Dystonia. <i>Stereotactic and Functional Neurosurgery</i> , 2021, 99, 1-5.	0.8	1
11	Hypoxia and Microvascular Alterations Are Early Predictors of IDH-Mutated Anaplastic Glioma Recurrence. <i>Cancers</i> , 2021, 13, 1797.	1.7	2
12	Centromedianâ€“Parafascicular and Somatosensory Thalamic Deep Brain Stimulation for Treatment of Chronic Neuropathic Pain: A Contemporary Series of 40 Patients. <i>Biomedicines</i> , 2021, 9, 731.	1.4	20
13	The anesthetic approach for endovascular recanalization therapy depends on the lesion site in acute ischemic stroke. <i>Neuroradiology</i> , 2021, 63, 2121-2129.	1.1	1
14	Melatonin Moderates the Triangle of Chronic Pain, Sleep Architecture and Immunometabolic Traffic. <i>Biomedicines</i> , 2021, 9, 984.	1.4	7
15	Deep brain stimulation in patients on chronic antiplatelet or anticoagulation treatment. <i>Acta Neurochirurgica</i> , 2021, 163, 2825-2831.	0.9	9
16	Metabolic Tumor Microenvironment Characterization of Contrast Enhancing Brain Tumors Using Physiologic MRI. <i>Metabolites</i> , 2021, 11, 668.	1.3	5
17	Kinetics of oxytocin effects on amygdala and striatal reactivity vary between women and men. <i>Neuropsychopharmacology</i> , 2020, 45, 1134-1140.	2.8	65
18	Vagus nerve stimulation reduces spreading depolarization burden and cortical infarct volume in a rat model of stroke. <i>PLoS ONE</i> , 2020, 15, e0236444.	1.1	20

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19	The Diagnostic and Therapeutic Role of Leptin and Its Receptor ObR in Glioblastoma Multiforme. <i>Cancers</i> , 2020, 12, 3691.	1.7	6
20	Quantitative sensory phenotyping in chronic neuropathic pain patients treated with unilateral L4-dorsal root ganglion stimulation. <i>Journal of Translational Medicine</i> , 2020, 18, 403.	1.8	7
21	Elevated level of cerebrospinal fluid and systemic chemokine CCL5 is a predictive biomarker of clinical outcome after aneurysmal subarachnoid hemorrhage (aSAH). <i>Cytokine</i> , 2020, 133, 155142.	1.4	15
22	Skull Base Chordomas and Chondrosarcomas. <i>Neuroendocrinology</i> , 2020, 110, 836-847.	1.2	43
23	Incisionless MR-guided focused ultrasound: technical considerations and current therapeutic approaches in psychiatric disorders. <i>Expert Review of Neurotherapeutics</i> , 2020, 20, 687-696.	1.4	9
24	Elevated Systemic IL-10 Levels Indicate Immunodepression Leading to Nosocomial Infections after Aneurysmal Subarachnoid Hemorrhage (SAH) in Patients. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1569.	1.8	20
25	Leptin and Associated Mediators of Immunometabolic Signaling: Novel Molecular Outcome Measures for Neurostimulation to Treat Chronic Pain. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4737.	1.8	10
26	Inter-ictal assay of peripheral circulating inflammatory mediators in migraine patients under adjunctive cervical non-invasive vagus nerve stimulation (nVNS): A proof-of-concept study. <i>Brain Stimulation</i> , 2019, 12, 643-651.	0.7	34
27	Progress in noninvasive, abortive neuromodulation therapy for treating acute pain in primary headache disorders. <i>Pain Management</i> , 2019, 9, 9-11.	0.7	0
28	Unilateral L4-dorsal root ganglion stimulation evokes pain relief in chronic neuropathic postsurgical knee pain and changes of inflammatory markers: part II whole transcriptome profiling. <i>Journal of Translational Medicine</i> , 2019, 17, 205.	1.8	22
29	Saliva molecular inflammatory profiling in female migraine patients responsive to adjunctive cervical non-invasive vagus nerve stimulation: the MOXY Study. <i>Journal of Translational Medicine</i> , 2019, 17, 53.	1.8	13
30	Increased Temporal Discounting in Social Anxiety Disorder Normalizes after Oxytocin Treatment. <i>Psychotherapy and Psychosomatics</i> , 2019, 88, 55-57.	4.0	10
31	Selective L4 Dorsal Root Ganglion Stimulation Evokes Pain Relief and Changes of Inflammatory Markers: Part I Profiling of Saliva and Serum Molecular Patterns. <i>Neuromodulation</i> , 2019, 22, 44-52.	0.4	27
32	A Review of Spinal and Peripheral Neuromodulation and Neuroinflammation: Lessons Learned Thus Far and Future Prospects of Biotype Development. <i>Neuromodulation</i> , 2019, 22, 235-243.	0.4	30
33	Oxytocin reduces a chemosensory-induced stress bias in social perception. <i>Neuropsychopharmacology</i> , 2019, 44, 281-288.	2.8	26
34	Burst Spinal Cord Stimulation: Review of Preclinical Studies and Comments on Clinical Outcomes. <i>Neuromodulation</i> , 2018, 21, 431-439.	0.4	37
35	Changes of Metabolic Disorders Associated Peripheral Cytokine/Adipokine Traffic in Non-Obese Chronic Back Patients Responsive to Burst Spinal Cord Stimulation. <i>Neuromodulation</i> , 2018, 21, 31-37.	0.4	10
36	Systemic High-Mobility Group Box-1: A Novel Predictive Biomarker for Cerebral Vasospasm in Aneurysmal Subarachnoid Hemorrhage*. <i>Critical Care Medicine</i> , 2018, 46, e1023-e1028.	0.4	31

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37	Is Molecular Inflammatory Profiling a Useful Tool for Personalized Brain Stimulation in Psychiatric Disorders?. <i>Neuromodulation</i> , 2018, 21, 826-827.	0.4	0
38	Spotlight on cervical vagus nerve stimulation for the treatment of primary headache disorders: a review. <i>Journal of Pain Research</i> , 2018, Volume 11, 1613-1625.	0.8	17
39	LINAC stereotactic radiosurgery for trigeminal neuralgia –retrospective two-institutional examination of treatment outcomes. <i>Radiation Oncology</i> , 2018, 13, 153.	1.2	20
40	The impact of MRI steady-state sequences as an additional assessment modality in vestibular schwannoma patients after LINAC stereotactic radiotherapy or radiosurgery. <i>Strahlentherapie Und Onkologie</i> , 2018, 194, 1103-1113.	1.0	1
41	Role of Damage Associated Molecular Pattern Molecules (DAMPs) in Aneurysmal Subarachnoid Hemorrhage (aSAH). <i>International Journal of Molecular Sciences</i> , 2018, 19, 2035.	1.8	65
42	The default mode network: a neuroimaging-based objective biomarker and predictor for neuromodulation treatment of migraine?. <i>Journal of Neurosurgical Sciences</i> , 2018, 62, 378-379.	0.3	2
43	Burst Spinal Cord Stimulation Increases Peripheral Antineuroinflammatory Interleukin 10 Levels in Failed Back Surgery Syndrome Patients With Predominant Back Pain. <i>Neuromodulation</i> , 2017, 20, 322-330.	0.4	39
44	Migraine Improvement After Anterior Thalamic Deep Brain Stimulation for Drug-Resistant Idiopathic Generalized Seizure: A Case Report. <i>Headache</i> , 2017, 57, 964-966.	1.8	5
45	Aneurysmal subarachnoid hemorrhage lead to systemic upregulation of IL-23/IL-17 inflammatory axis. <i>Cytokine</i> , 2017, 97, 96-103.	1.4	33
46	Stereotactic MR-guided focused ultrasound deep brain lesioning: the resurrection of posteroventral pallidotomy and thalamotomy for Parkinson's disease?. <i>Acta Neurochirurgica</i> , 2017, 159, 1367-1369.	0.9	4
47	Subperceptual Burst Versus Perceptual Tonic Spinal Cord Stimulation Waveforms for Drug-resistant Orthostatic Tremor: Comparative Data of 2 Cases. <i>Movement Disorders Clinical Practice</i> , 2017, 4, 612-615.	0.8	5
48	Extended Long-Term Effects of Cervical Vagal Nerve Stimulation on Headache Intensity/Frequency and Affective/Cognitive Headache Perception in Drug Resistant Complex-Partial Seizure Patients. <i>Neuromodulation</i> , 2017, 20, 375-382.	0.4	7
49	Elevated Systemic IL-6 Levels in Patients with Aneurysmal Subarachnoid Hemorrhage Is an Unspecific Marker for Post-SAH Complications. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2580.	1.8	79
50	Is Spinal Cord Stimulation Useful and Safe for the Treatment of Chronic Pain of Ischemic Origin? A Review. <i>Clinical Journal of Pain</i> , 2016, 32, 7-13.	0.8	22
51	Decompressive Craniectomy for Stroke: Early Cranioplasty Is a Predictor for Postoperative Complications. <i>World Neurosurgery</i> , 2016, 92, 83-88.	0.7	21
52	High Frequency (10 kHz) or Burst Spinal Cord Stimulation in Failed Back Surgery Syndrome Patients With Predominant Back Pain: Preliminary Data From a Prospective Observational Study. <i>Neuromodulation</i> , 2016, 19, 268-275.	0.4	57
53	The Usefulness of Spinal Cord Stimulation for Chronic Pain Due to Combined Vasospastic Prinzmetal Angina and Diabetic Neuropathic Pain of the Lower Limbs. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2016, 77, 176-178.	0.4	4
54	Occipital nerve block prior to occipital nerve stimulation for refractory chronic migraine and chronic cluster headache: Myth or prediction?. <i>Cephalalgia</i> , 2015, 35, 359-362.	1.8	31

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55	Cervical non-invasive vagus nerve stimulation (nVNS) for preventive and acute treatment of episodic and chronic migraine and migraine-associated sleep disturbance: preliminary findings from a prospective observational cohort study. <i>Journal of Headache and Pain</i> , 2015, 16, 101.	2.5	85
56	Treatment of acromegaly patients with risk-adapted single or fractionated stereotactic high-precision radiotherapy. <i>Strahlentherapie Und Onkologie</i> , 2015, 191, 477-485.	1.0	18
57	Partial Response of Intractable Cluster-Tic Syndrome Treated by Cervical Non-Invasive Vagal Nerve Stimulation (nVNS). <i>Brain Stimulation</i> , 2015, 8, 669-671.	0.7	12
58	Paddle Versus Cylindrical Leads for Percutaneous Implantation in Spinal Cord Stimulation for Failed Back Surgery Syndrome: A Single-Center Trial. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2014, 75, 467-473.	0.4	23
59	The Appropriate Use of Neurostimulation of the Spinal Cord and Peripheral Nervous System for the Treatment of Chronic Pain and Ischemic Diseases: The Neuromodulation Appropriateness Consensus Committee. <i>Neuromodulation</i> , 2014, 17, 515-550.	0.4	441
60	Earlier and sustained response with incidental use of cardiovascular drugs among patients with low-to medium-grade meningiomas treated with radiosurgery (SRS) or stereotactic radiotherapy (SRT). <i>Radiotherapy and Oncology</i> , 2014, 111, 446-450.	0.3	4
61	The Impact of Multichannel Microelectrode Recording (MER) in Deep Brain Stimulation of the Basal Ganglia. <i>Acta Neurochirurgica Supplementum</i> , 2013, 117, 27-33.	0.5	26
62	Percutaneous Implanted Paddle Lead for Spinal Cord Stimulation: Technical Considerations and Long-Term Follow-Up. <i>Neuromodulation</i> , 2012, 15, 402-407.	0.4	35
63	Deep brain stimulation for camptocormia in dystonia and Parkinson's disease. <i>Journal of Neurology</i> , 2011, 258, 96-103.	1.8	50
64	Stereotactic versus endoscopic surgery in periventricular lesions. <i>Acta Neurochirurgica</i> , 2011, 153, 517-526.	0.9	8
65	Micrographia induced by pallidal DBS for segmental dystonia: a subtle sign of hypokinesia?. <i>Journal of Neural Transmission</i> , 2011, 118, 549-553.	1.4	58
66	Deep brain stimulation for treatment of hemichorea-hemiballism after craniopharyngioma resection: long-term follow-up. <i>Journal of Neurosurgery</i> , 2011, 115, 966-970.	0.9	11
67	Chronic deep brain stimulation in patients with tardive dystonia without a history of major psychosis. <i>Movement Disorders</i> , 2010, 25, 1477-1481.	2.2	60
68	Less Is More: Adaptation of Voltage after Battery Replacement in Deep Brain Stimulation for Dystonia. <i>Stereotactic and Functional Neurosurgery</i> , 2010, 88, 311-314.	0.8	12
69	Pallidal deep brain stimulation in belly dancer's dyskinesia. <i>Movement Disorders</i> , 2009, 24, 1698-1700.	2.2	8
70	Reconstruction of the petrosal bone for treatment of kinetic tremor due to cerebellar herniation and torsion of cerebellar outflow pathways. <i>Movement Disorders</i> , 2008, 23, 1485-1487.	2.2	1
71	Solitary fibrous tumor of the foramen of Monro. <i>Clinical Neurology and Neurosurgery</i> , 2008, 110, 404-407.	0.6	11
72	Occipital Nerve Stimulation for Refractory Occipital Pain after Occipitocervical Fusion: Expanding Indications. <i>Stereotactic and Functional Neurosurgery</i> , 2008, 86, 391-393.	0.8	19

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73	Impact of surgical treatment on tremor due to posterior fossa tumors. Journal of Neurosurgery, 2008, 108, 692-697.	0.9	11
74	Deep brain stimulation and stereotactic-assisted brain graft injection targeting fronto-striatal circuits for Huntingtonâ€™s disease: an update. Expert Review of Neurotherapeutics, 0, , 1-8.	1.4	1