Daniel A Orringer

List of Publications by Year
in descending order

68	4,262	201674 27	118850 62
papers	citations	h-index	g-index

69	69	69	6121
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clinical Translation of Stimulated Raman Histology. Methods in Molecular Biology, 2022, 2393, 225-236.	0.9	5
2	Stimulated Raman histology. , 2022, , 541-549.		2
3	Correlation between brain tissue oxygen tension and regional cerebral oximetry in uninjured human brain under conditions of changing ventilation strategy. Journal of Clinical Monitoring and Computing, 2022, 36, 1227-1232.	1.6	1
4	Rapid Automated Analysis of Skull Base Tumor Specimens Using Intraoperative Optical Imaging and Artificial Intelligence. Neurosurgery, 2022, 90, 758-767.	1.1	8
5	In Reply: Fluorescence Guidance and Intraoperative Adjuvants to Maximize Extent of Resection. Neurosurgery, 2022, Publish Ahead of Print, .	1.1	0
6	Applications of artificial intelligence for image enhancement in pathology. , 2021, , 119-148.		2
7	Rapid, label-free detection of diffuse glioma recurrence using intraoperative stimulated Raman histology and deep neural networks. Neuro-Oncology, 2021, 23, 144-155.	1.2	25
8	Label-free brain tumor imaging using Raman-based methods. Journal of Neuro-Oncology, 2021, 151, 393-402.	2.9	26
9	Intraoperative molecular imaging clinical trials: a review of 2020 conference proceedings. Journal of Biomedical Optics, 2021, 26, .	2.6	28
10	Neurosurgical Advances for Malignant Gliomas. Cancer Journal (Sudbury, Mass), 2021, 27, 364-370.	2.0	2
11	G-CSF secreted by mutant IDH1 glioma stem cells abolishes myeloid cell immunosuppression and enhances the efficacy of immunotherapy. Science Advances, 2021, 7, eabh3243.	10.3	53
12	Fluorescence Guidance and Intraoperative Adjuvants to Maximize Extent of Resection. Neurosurgery, 2021, 89, 727-736.	1.1	23
13	Near real-time intraoperative brain tumor diagnosis using stimulated Raman histology and deep neural networks. Nature Medicine, 2020, 26, 52-58.	30.7	413
14	Automated histologic diagnosis of CNS tumors with machine learning. CNS Oncology, 2020, 9, CNS56.	3.0	18
15	An automated tissue-to-diagnosis pipeline using intraoperative stimulated Raman histology and deep learning. Molecular and Cellular Oncology, 2020, 7, 1736742.	0.7	11
16	Posterior Fossa Craniotomy for Adherent Fourth Ventricle Neurocysticercosis. Operative Neurosurgery, 2019, 16, E154-E158.	0.8	4
17	Synthetic high-density lipoprotein nanoparticles for the treatment of Niemannâ€“Pick diseases. BMC Medicine, 2019, 17, 200.	5.5	19
18	BDNF, COMT, and DRD2 polymorphisms and ability to return to work in adult patients with low- and high-grade glioma. Neuro-Oncology Practice, 2019, 6, 375-385.	1.6	16

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19	Dose-intensified chemoradiation is associated with altered patterns of failure and favorable survival in patients with newly diagnosed glioblastoma. Journal of Neuro-Oncology, 2019, 143, 313-319.	2.9	11
20	ATIM-44. A PHASE I FIRST-IN-HUMAN TRIAL OF TWO ADENOVIRAL VECTORS EXPRESSING HSV1-TK AND FLT3L FOR TREATING NEWLY DIAGNOSED RESECTABLE MALIGNANT GLIOMA: THERAPEUTIC REPROGRAMMING OF THE BRAIN IMMUNE SYSTEM. Neuro-Oncology, 2019, 21, vi11-vi11.	1.2	4
21	Surgical Adjuncts to Increase the Extent of Resection. Neurosurgery Clinics of North America, 2019, 30, 65-74.	1.7	22
22	Rapid Intraoperative Diagnosis of Sellar Region Tumors Using Stimulated Raman Histology. , 2019, 80, .		0
23	Editorial. Resting-state fMRI for the masses. Journal of Neurosurgery, 2019, 131, 757-758.	1.6	0
24	Shedding Light on IDH1 Mutation in Gliomas. Clinical Cancer Research, 2018, 24, 2467-2469.	7.0	5
25	Standard dose and dose-escalated radiation therapy are associated with favorable survival in select elderly patients with newly diagnosed glioblastoma. Journal of Neuro-Oncology, 2018, 138, 155-162.	2.9	4
26	Rapid Intraoperative Diagnosis of Pediatric Brain Tumors Using Stimulated Raman Histology. Cancer Research, 2018, 78, 278-289.	0.9	98
27	Primary diffuse leptomeningeal melanomatosis: Description and recommendations. Journal of Clinical Neuroscience, 2018, 50, 139-143.	1.5	9
28	Clinical Factors Associated With ICU-Specific Care Following Supratentoral Brain Tumor Resection and Validation of a Risk Prediction Score. Critical Care Medicine, 2018, 46, 1302-1308.	0.9	16
29	A machine learning approach to predict early outcomes after pituitary adenoma surgery. Neurosurgical Focus, 2018, 45, E8.	2.3	49
30	Defining Glioblastoma Resectability Through the Wisdom of the Crowd: A Proof-of-Principle Study. Neurosurgery, 2017, 80, 590-601.	1.1	34
31	Rapid intraoperative histology of unprocessed surgical specimens via fibre-laser-based stimulated Raman scattering microscopy. Nature Biomedical Engineering, 2017, 1, .	22.5	374
32	Coherent Raman Scattering Microscopy for Evaluation of Head and Neck Carcinoma. Otolaryngology - Head and Neck Surgery, 2017, 157, 448-453.	1.9	14
33	Fast and slide-free imaging. Nature Biomedical Engineering, 2017, 1, 926-928.	22.5	8
34	In Reply to â€œUnusual Cause of Cord Compressionâ€“A Pressing Issue for Neurosurgeonsâ€• World Neurosurgery, 2016, 92, 568.	1.3	0
35	Improving the accuracy of brain tumor surgery via Raman-based technology. Neurosurgical Focus, 2016, 40, E9.	2.3	84
36	Direct neural current imaging in an intact cerebellum with magnetic resonance imaging. NeuroImage, 2016, 132, 477-490.	4.2	27

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37	Supratentorial hemispheric ependymomas: an analysis of 109 adults for survival and prognostic factors. Journal of Neurosurgery, 2016, 125, 410-418.	1.6	26
38	Advances in the Surgical Management of Low-Grade Glioma. Seminars in Radiation Oncology, 2015, 25, 181-188.	2.2	42
39	Aggressive Myeloid Sarcoma Causing Recurrent Spinal Cord Compression. World Neurosurgery, 2015, 84, 866.e7-866.e10.	1.3	10
40	Detection of human brain tumor infiltration with quantitative stimulated Raman scattering microscopy. Science Translational Medicine, 2015, 7, 309ra163.	12.4	249
41	Real-time image guidance for brain tumor surgery through stimulated Raman scattering microscopy. Expert Review of Anticancer Therapy, 2014, 14, 359-361.	2.4	18
42	Mechanisms of Glioma Formation: Iterative Perivascular Glioma Growth and Invasion Leads to Tumor Progression, VEGF-Independent Vascularization, and Resistance to Antiangiogenic Therapy. Neoplasia, 2014, 16, 543-561.	5.3	131
43	Intraoperative mass spectrometry mapping of an onco-metabolite to guide brain tumor surgery. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11121-11126.	7.1	230
44	Radiation-induced intradural malignant peripheral nerve sheath tumor of the cauda equina with diffuse leptomeningeal metastasis. Journal of Neurosurgery: Spine, 2014, 21, 719-726.	1.7	11
45	Defining language networks from restingâ€state fMRI for surgical planningâ€"a feasibility study. Human Brain Mapping, 2014, 35, 1018-1030.	3.6	176
46	A Rationale for the Use and Development of Methods for Image-Guided Brain Tumor Surgery. , 2014, , 479-483.		0
47	Ambient mass spectrometry for the intraoperative molecular diagnosis of human brain tumors. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1611-1616.	7.1	251
48	Clinical Applications and Future Directions of Functional MRI. Seminars in Neurology, 2013, 32, 466-475.	1.4	35
49	Rapid, Label-Free Detection of Brain Tumors with Stimulated Raman Scattering Microscopy. Science Translational Medicine, 2013, 5, 201ra119.	12.4	398
50	Photodynamic characterization and optimization using multifunctional nanoparticles for brain cancer treatment. Proceedings of SPIE, 2013, , .	0.8	1
51	An L-2 burst fracture and cauda equina syndrome due to tetanus. Journal of Neurosurgery: Spine, 2012, 16, 82-85.	1.7	4
52	Multicolored stain-free histopathology with coherent Raman imaging. Laboratory Investigation, 2012, 92, 1492-1502.	3.7	130
53	Extent of resection in patients with glioblastoma: limiting factors, perception of resectability, and effect on survival. Journal of Neurosurgery, 2012, 117, 851-859.	1.6	267
54	Cumulative incidence and predictors of neurosurgical interventions following nonsevere traumatic brain injury with mildly abnormal head imaging findings. Journal of Trauma and Acute Care Surgery, 2012, 73, 1247-1253.	2.1	17

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55	Neuronavigation in the surgical management of brain tumors: current and future trends. Expert Review of Medical Devices, 2012, 9, 491-500.	2.8	189
56	Hydrogel Nanoparticles with Covalently Linked Coomassie Blue for Brain Tumor Delineation Visible to the Surgeon. Small, 2012, 8, 884-891.	10.0	58
57	Targeted blue nanoparticles as photoacoustic contrast agent for brain tumor delineation. Nano Research, 2011, 4, 1163-1173.	10.4	55
58	Methylene Blueâ€Conjugated Hydrogel Nanoparticles and Tumorâ€Cell Targeted Photodynamic Therapy. Macromolecular Bioscience, 2011, 11, 90-99.	4.1	99
59	Transorbital penetrating injury: case series, review of the literature, and proposed management algorithm. Journal of Neurosurgery, 2011, 114, 53-61.	1.6	80
60	A Technical Description of the Brain Tumor Window Model: An In Vivo Model for the Evaluation of Intraoperative Contrast Agents. Acta Neurochirurgica Supplementum, 2011, 109, 259-263.	1.0	2
61	The Brain Tumor Window Model. Neurosurgery, 2010, 66, 736-743.	1.1	40
62	Nanotechnology in Neurosurgery. Journal of Nanotechnology in Engineering and Medicine, 2010, 1, .	0.8	8
63	Chapter 11. Nanoparticles for Cancer Diagnosis and Therapy. RSC Nanoscience and Nanotechnology, 2010, , 333-353.	0.2	3
64	Small Solutions for Big Problems: The Application of Nanoparticles to Brain Tumor Diagnosis and Therapy. Clinical Pharmacology and Therapeutics, 2009, 85, 531-534.	4.7	89
65	Dysphagia due to anterior cervical hyperosteophytosis. World Neurosurgery, 2009, 72, 266-270.	1.3	70
66	IN VITRO CHARACTERIZATION OF A TARGETED, DYE-LOADED NANODEVICE FOR INTRAOPERATIVE TUMOR DELINEATION. Neurosurgery, 2009, 64, 965-972.	1.1	56
67	E2f1, E2f2, and E2f3 Control E2F Target Expression and Cellular Proliferation via a p53-Dependent Negative Feedback Loop. Molecular and Cellular Biology, 2007, 27, 65-78.	2.3	94
68	The effects of thymulin on macrophage responsiveness to interferon-Î³. Developmental and Comparative Immunology, 2002, 26, 95-102.	2.3	4