

# Ryan Zeh

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

2,192  
citations

279798

23  
h-index

254184

43  
g-index

82  
all docs

82  
docs citations

82  
times ranked

2806  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exome sequencing identifies BRAF mutations in papillary craniopharyngiomas. <i>Nature Genetics</i> , 2014, 46, 161-165.	21.4	408
2	Intraoperative Near-Infrared Optical Imaging Can Localize Gadolinium-Enhancing Gliomas During Surgery. <i>Neurosurgery</i> , 2016, 79, 856-871.	1.1	116
3	Telemedicine in the Era of Coronavirus Disease 2019 (COVID-19): A Neurosurgical Perspective. <i>World Neurosurgery</i> , 2020, 139, 549-557.	1.3	110
4	The second window ICG technique demonstrates a broad plateau period for near infrared fluorescence tumor contrast in glioblastoma. <i>PLoS ONE</i> , 2017, 12, e0182034.	2.5	84
5	Indocyanine-Green for Fluorescence-Guided Surgery of Brain Tumors: Evidence, Techniques, and Practical Experience. <i>Frontiers in Surgery</i> , 2019, 6, 11.	1.4	75
6	Near-infrared fluorescent image-guided surgery for intracranial meningioma. <i>Journal of Neurosurgery</i> , 2018, 128, 380-390.	1.6	62
7	Optical Principles of Fluorescence-Guided Brain Tumor Surgery: A Practical Primer for the Neurosurgeon. <i>Neurosurgery</i> , 2019, 85, 312-324.	1.1	60
8	Near-Infrared Intraoperative Molecular Imaging Can Locate Metastases to the Lung. <i>Annals of Thoracic Surgery</i> , 2017, 103, 390-398.	1.3	59
9	Development of and psychometric testing for the Brief Pain Inventoryâ€œFacial in patients with facial pain syndromes. <i>Journal of Neurosurgery</i> , 2010, 113, 516-523.	1.6	58
10	Transoral robotic surgery of craniocervical junction and atlantoaxial spine: a cadaveric study. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 13-18.	1.7	57
11	Da Vinci Robot-Assisted Transoral Odontoidectomy for Basilar Invagination. <i>Orl</i> , 2010, 72, 91-95.	1.1	57
12	Applications of indocyanine green in brain tumor surgery: review of clinical evidence and emerging technologies. <i>Neurosurgical Focus</i> , 2021, 50, E4.	2.3	52
13	Transoral Robotic Surgery of the Skull Base: A Cadaver and Feasibility Study. <i>Orl</i> , 2010, 72, 181-187.	1.1	45
14	Deep brain stimulation of globus pallidus internus for dystonia. <i>Parkinsonism and Related Disorders</i> , 2007, 13, 261-265.	2.2	41
15	Intraoperative Near-Infrared Optical Contrast Can Localize Brain Metastases. <i>World Neurosurgery</i> , 2017, 106, 120-130.	1.3	41
16	Endoscopic endonasal surgical resection of tumors of the medial orbital apex and wall. <i>Clinical Neurology and Neurosurgery</i> , 2012, 114, 93-98.	1.4	40
17	Review of clinical trials in intraoperative molecular imaging during cancer surgery. <i>Journal of Biomedical Optics</i> , 2019, 24, 1.	2.6	40
18	Minimally Invasive, Robot-Assisted, Anterior Lumbar Interbody Fusion: A Technical Note. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2013, 74, 258-261.	0.8	39

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19	Fluorescence-Guided Surgery: A Review on Timing and Use in Brain Tumor Surgery. <i>Frontiers in Neurology</i> , 2021, 12, 682151.	2.4	39
20	Case Report: Prolonged Survival Following EGFRvIII CAR T Cell Treatment for Recurrent Glioblastoma. <i>Frontiers in Oncology</i> , 2021, 11, 669071.	2.8	34
21	Intraoperative near-infrared imaging with receptor-specific versus passive delivery of fluorescent agents in pituitary adenomas. <i>Journal of Neurosurgery</i> , 2019, 131, 1974-1984.	1.6	29
22	Intraoperative molecular imaging clinical trials: a review of 2020 conference proceedings. <i>Journal of Biomedical Optics</i> , 2021, 26, .	2.6	28
23	Radiosurgery for Intracranial Meningiomas. , 2007, 20, 142-149.		27
24	Stereotactic radiosurgery for jugular foramen schwannomas: an international multicenter study. <i>Journal of Neurosurgery</i> , 2018, 129, 928-936.	1.6	26
25	Endoscopic and Microscopic Microvascular Decompression. <i>Neurosurgery Clinics of North America</i> , 2016, 27, 305-313.	1.7	25
26	A prospective clinical trial of proton therapy for chordoma and chondrosarcoma: Feasibility assessment. <i>Journal of Surgical Oncology</i> , 2019, 120, 200-205.	1.7	25
27	Comparison of Near-Infrared Imaging Camera Systems for Intracranial Tumor Detection. <i>Molecular Imaging and Biology</i> , 2018, 20, 213-220.	2.6	24
28	Endoscopic approaches to brainstem cavernous malformations: Case series and review of the literature. , 2015, 6, 68.		24
29	Trends in the Surgical Treatment of Pseudotumor Cerebri Syndrome in the United States. <i>JAMA Network Open</i> , 2020, 3, e2029669.	5.9	23
30	Contemporary neurosurgical techniques for pituitary tumor resection. <i>Journal of Neuro-Oncology</i> , 2014, 117, 437-444.	2.9	21
31	Near-Infrared Optical Contrast of Skull Base Tumors During Endoscopic Endonasal Surgery. <i>Operative Neurosurgery</i> , 2019, 17, 32-42.	0.8	21
32	Folate Receptor Near-Infrared Optical Imaging Provides Sensitive and Specific Intraoperative Visualization of Nonfunctional Pituitary Adenomas. <i>Operative Neurosurgery</i> , 2019, 16, 59-70.	0.8	20
33	Near-Infrared Imaging with Second-Window Indocyanine Green in Newly Diagnosed High-Grade Gliomas Predicts Gadolinium Enhancement on Postoperative Magnetic Resonance Imaging. <i>Molecular Imaging and Biology</i> , 2020, 22, 1427-1437.	2.6	19
34	Dose response and architecture in volume staged radiosurgery for large arteriovenous malformations: A multi-institutional study. <i>Radiotherapy and Oncology</i> , 2020, 144, 180-188.	0.6	19
35	Second window ICG predicts gross-total resection and progression-free survival during brain metastasis surgery. <i>Journal of Neurosurgery</i> , 2021, 135, 1026-1035.	1.6	19
36	Intraoperative Imaging with Second Window Indocyanine Green for Head and Neck Lesions and Regional Metastasis. <i>Otolaryngology - Head and Neck Surgery</i> , 2019, 161, 539-542.	1.9	18

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37	Microvascular Decompression Versus Stereotactic Radiosurgery for Trigeminal Neuralgia: A Decision Analysis. <i>Cureus</i> , 2017, 9, e1000.	0.5	17
38	Delta-Aminolevulinic Acid-Mediated Photodiagnoses in Surgical Oncology: A Historical Review of Clinical Trials. <i>Frontiers in Surgery</i> , 2019, 6, 45.	1.4	16
39	Vector-Mediated Gene Transfer to Express Inhibitory Neurotransmitters in Dorsal Root Ganglion Reduces Pain in a Rodent Model of Lumbar Radiculopathy. <i>Spine</i> , 2006, 31, 1555-1558.	2.0	15
40	Combined fluorescence-guided surgery and photodynamic therapy for glioblastoma multiforme using cyanine and chlorin nanocluster. <i>Journal of Neuro-Oncology</i> , 2020, 149, 243-252.	2.9	15
41	Association of Surgical Overlap during Wound Closure with Patient Outcomes among Neurological Surgery Patients at a Large Academic Medical Center. <i>Neurosurgery</i> , 2019, 85, E882-E888.	1.1	14
42	Evaluation of stereotactic radiosurgery for cerebral dural arteriovenous fistulas in a multicenter international consortium. <i>Journal of Neurosurgery</i> , 2020, 132, 114-121.	1.6	14
43	Evaluation of OTL38-Generated Tumor-to-Background Ratio in Intraoperative Molecular Imaging-Guided Lung Cancer Resections. <i>Molecular Imaging and Biology</i> , 2023, 25, 85-96.	2.6	14
44	Temporal patterns of <sup>18</sup> F-fluorodeoxyglucose positron emission tomography/computed tomography sinonasal uptake after treatment of sinonasal malignancy. <i>International Forum of Allergy and Rhinology</i> , 2016, 6, 1301-1307.	2.8	13
45	Intraoperative Molecular Imaging with Second Window Indocyanine Green Facilitates Confirmation of Contrast-Enhancing Tissue During Intracranial Stereotactic Needle Biopsy: A Case Series. <i>World Neurosurgery</i> , 2019, 126, e1211-e1218.	1.3	12
46	Stereotactic Radiosurgery for Cavernous Sinus Versus Noncavernous Sinus Dural Arteriovenous Fistulas: Outcomes and Outcome Predictors. <i>Neurosurgery</i> , 2020, 86, 676-684.	1.1	12
47	Near-infrared Intraoperative Molecular Imaging Can Identify Metastatic Lymph Nodes in Prostate Cancer. <i>Urology</i> , 2017, 106, 133-138.	1.0	11
48	Intraoperative Fluorescent Visualization of Pituitary Adenomas. <i>Neurosurgery Clinics of North America</i> , 2019, 30, 401-412.	1.7	11
49	Near-infrared intraoperative molecular imaging with conventional neurosurgical microscope can be improved with narrow band excitation. <i>Acta Neurochirurgica</i> , 2019, 161, 2311-2318.	1.7	11
50	Evaluation of Diagnostic Accuracy Following the Coadministration of Delta-Aminolevulinic Acid and Second Window Indocyanine Green in Rodent and Human Glioblastomas. <i>Molecular Imaging and Biology</i> , 2020, 22, 1266-1279.	2.6	11
51	Endoscopic Resection of an Intraventricular Tumor With Second Window Indocyanine Green: 2-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2018, 15, E53-E54.	0.8	9
52	Intraoperative real-time near-infrared optical imaging for the identification of metastatic brain tumors via microscope and exoscope. <i>Neurosurgical Focus</i> , 2021, 50, E11.	2.3	9
53	Hemorrhage risk of cerebral dural arteriovenous fistulas following Gamma Knife radiosurgery in a multicenter international consortium. <i>Journal of Neurosurgery</i> , 2020, 132, 1209-1217.	1.6	9
54	A Proposed Grading Scale for Predicting Outcomes After Stereotactic Radiosurgery for Dural Arteriovenous Fistulas. <i>Neurosurgery</i> , 2020, 87, 247-255.	1.1	8

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55	Second Window Indocyanine Green (SWIG) Near Infrared Fluorescent Transventricular Biopsy of Pineal Tumor. <i>World Neurosurgery</i> , 2020, 134, 196-200.	1.3	8
56	Folate Receptor Overexpression in Human and Canine Meningiomas—Immunohistochemistry and Case Report of Intraoperative Molecular Imaging. <i>Neurosurgery</i> , 2019, 85, 359-368.	1.1	7
57	Endoscopic Endonasal Resection of Anterior Skull Base Meningiomas and Mucosa: Implications for Resection, Reconstruction, and Recurrence. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2013, 74, 012-017.	0.8	6
58	The Management of Residual or Recurrent Central Neurocytoma. <i>Neurosurgery Clinics of North America</i> , 2015, 26, 67-81.	1.7	6
59	A Propensity Score–Matched Cohort Analysis of Outcomes After Stereotactic Radiosurgery in Older versus Younger Patients with Dural Arteriovenous Fistula: An International Multicenter Study. <i>World Neurosurgery</i> , 2019, 125, e1114-e1124.	1.3	6
60	Near-Infrared Fluorescence with Second-Window Indocyanine Green as an Adjunct to Localize the Pituitary Stalk During Skull Base Surgery. <i>World Neurosurgery</i> , 2020, 136, 326.	1.3	6
61	Complication Rates During Endoscopic Microvascular Decompression Surgery Are Low With or Without Petrosal Vein Sacrifice. <i>World Neurosurgery</i> , 2020, 138, e420-e425.	1.3	6
62	The Evolution of 5-Aminolevulinic Acid Fluorescence Visualization: Time for a Headlamp/Loupe Combination. <i>World Neurosurgery</i> , 2022, 159, 136-143.	1.3	6
63	Second window indocyanine green localizes CNS lymphoma in real time in the operating room: report of two cases. <i>British Journal of Neurosurgery</i> , 2020, , 1-5.	0.8	4
64	Intraoperative Real-Time Near-Infrared Image-Guided Surgery to Identify Intracranial Meningiomas via Microscope. <i>Frontiers in Neuroscience</i> , 2022, 16, .	2.8	4
65	Extraprimary Local Recurrence of Esthesioneuroblastoma: Case Series and Literature Review. <i>World Neurosurgery</i> , 2020, 144, e546-e552.	1.3	3
66	Letter to the Editor Regarding “Implementation and Workflow of a Telehealth Clinic in Neurosurgery During the COVID-19 Pandemic”. <i>World Neurosurgery</i> , 2020, 139, 373-375.	1.3	3
67	Surface-Registration Frameless Stereotactic Navigation Is Less Accurate During Prone Surgeries: Intraoperative Near-Infrared Visualization Using Second Window Indocyanine Green Offers an Adjunct. <i>Molecular Imaging and Biology</i> , 2020, 22, 1572-1580.	2.6	3
68	Factors Associated with and Temporal Trends in the Use of Radiation Therapy for the Treatment of Pituitary Adenoma in the National Cancer Database. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2021, 82, 285-294.	0.8	3
69	Assessment and Comparison of Three Dimensional Exoscopes for Near-Infrared Fluorescence-Guided Surgery Using Second-Window Indocyanine-Green. <i>Journal of Korean Neurosurgical Society</i> , 2022, 65, 572-581.	1.2	3
70	Undiagnosed Obstructive Sleep Apnea as Predictor of 90-Day Readmission for Brain Tumor Patients. <i>World Neurosurgery</i> , 2020, 134, e979-e984.	1.3	2
71	Direct Tumoral Puncture Onyx Embolization for a Juvenile Nasopharyngeal Angiofibroma in a Hybrid Neurointerventional Suite. <i>World Neurosurgery</i> , 2021, 147, 7.	1.3	2
72	Second-Window Indocyanine Green for Visualization of Hemangioblastoma: A Case Report With Two-Dimensional Operative Video. <i>Operative Neurosurgery</i> , 2021, 20, E229-E233.	0.8	2

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73	Undiagnosed obstructive sleep apnea as a predictor of 30-day readmission for brain tumor patients. <i>Journal of Neurosurgery</i> , 2020, 133, 624-629.	1.6	2
74	Somatostatin Receptor as a Molecular Imaging Target in Human and Canine Cushing Disease. <i>World Neurosurgery</i> , 2021, 149, 94-102.	1.3	1
75	Endoscopic Microvascular Decompression for Hemifacial Spasm: A Technical Case Report Demonstrating the Benefits of the Angled Endoscope and Intraoperative Neuromonitoring. <i>Cureus</i> , 2021, 13, e16586.	0.5	1
76	Change in the immunophenotype of a somatotroph adenoma resulting in gigantism. , 2014, 5, 149.		1
77	Second window indocyanine green for oropharyngeal tumours: A case series and comparison of near-infrared camera systems. <i>Clinical Otolaryngology</i> , 2022, 47, 589-593.	1.2	1
78	Preface. <i>Neurosurgery Clinics of North America</i> , 2016, 27, ix.	1.7	0
79	Indocyanine Green Endoscopic Video Angiography to Assess Nasoseptal Flap Vascular Perfusion in Skull Base Reconstruction. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2018, 79, S1-S188.	0.8	0
80	Retrospective Comparison of Postoperative Complications and Pain by Petrosal Vein Sacrifice in Endoscopic Microvascular Decompression for Trigeminal Neuralgia. , 2019, 80, .		0
81	Multi-institutional retrospective review of stereotactic radiosurgery for brain metastasis in patients with small cell lung cancer without prior brain-directed radiotherapy. <i>Journal of Radiosurgery and SBRT</i> , 2020, 7, 19-27.	0.2	0
82	Second window ICG predicts postoperative MRI gadolinium enhancement in high grade gliomas and brain metastases. <i>Neurosurgical Focus Video</i> , 2022, 6, V8.	0.3	0