

# Richard G Ellenbogen

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

90  
papers

5,486  
citations

28  
h-index

74  
g-index

96  
ext. papers

7,039  
ext. citations

7.5  
avg, IF

5  
L-index

#	Paper	IF	Citations
90	Local connectivity and synaptic dynamics in mouse and human neocortex.. <i>Science</i> , <b>2022</b> , 375, eabj5861	33.3	7
89	Concurrent decompression and resection versus decompression with delayed resection of acutely ruptured brain arteriovenous malformations. <i>Journal of Neurosurgery</i> , <b>2021</b> , 1-8	3.2	
88	Human neocortical expansion involves glutamatergic neuron diversification. <i>Nature</i> , <b>2021</b> , 598, 151-158	50.4	21
87	Evolution of Cranioorbital Shape in Nonsyndromic, Muenke, and Saethre-Chotzen Bilateral Coronal Synostosis: A Case-Control Study of 2-Year Outcomes. <i>Plastic and Reconstructive Surgery</i> , <b>2021</b> , 147, 148-159	2.7	0
86	The Delayed Neuropathological Consequences of Traumatic Brain Injury in a Community-Based Sample. <i>Frontiers in Neurology</i> , <b>2021</b> , 12, 624696	4.1	3
85	Association of Sex and Age With Mild Traumatic Brain Injury-Related Symptoms: A TRACK-TBI Study. <i>JAMA Network Open</i> , <b>2021</b> , 4, e213046	10.4	13
84	United States Medicolegal Progress and Innovation in Telemedicine in the Age of COVID-19: A Primer for Neurosurgeons. <i>Neurosurgery</i> , <b>2021</b> , 89, 364-371	3.2	4
83	Evaluating the Utility of Routine Computed Tomography Scans after Cranial Vault Reconstruction for Children with Craniosynostosis. <i>Plastic and Reconstructive Surgery</i> , <b>2021</b> , 148, 63e-70e	2.7	1
82	siRNA nanoparticle suppresses drug-resistant gene and prolongs survival in an orthotopic glioblastoma xenograft mouse model. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007166	15.6	4
81	Early Effects of COVID-19 Pandemic on Neurosurgical Training in the United States: A Case Volume Analysis of 8 Programs. <i>World Neurosurgery</i> , <b>2021</b> , 145, e202-e208	2.1	13
80	Issues of consent and assent in pediatric neurosurgery. <i>Childs Nervous System</i> , <b>2021</b> , 37, 33-37	1.7	0
79	Sport-Related Structural Brain Injury and Return to Play: Systematic Review and Expert Insight. <i>Neurosurgery</i> , <b>2021</b> , 88, E495-E504	3.2	2
78	Commentary: A Crowdsourced Consensus on Supratotal Resection Versus Gross Total Resection for Anatomically Distinct Primary Glioblastoma. <i>Neurosurgery</i> , <b>2021</b> , 89, E266	3.2	
77	Signature morpho-electric, transcriptomic, and dendritic properties of human layer 5 neocortical pyramidal neurons. <i>Neuron</i> , <b>2021</b> , 109, 2914-2927.e5	13.9	9
76	Pediatric hemispherectomy outcome: Adaptive functioning, intelligence, and memory. <i>Epilepsy and Behavior</i> , <b>2021</b> , 124, 108298	3.2	1
75	Commentary: Stereotactic Radiosurgery for Intracranial Noncavernous Sinus Benign Meningioma: International Stereotactic Radiosurgery Society Systematic Review, Meta-Analysis and Practice Guideline. <i>Neurosurgery</i> , <b>2020</b> , 87, E537-E538	3.2	
74	Children with DIPG and high-grade glioma treated with temozolomide, irinotecan, and bevacizumab: the Seattle Children's Hospital experience. <i>Journal of Neuro-Oncology</i> , <b>2020</b> , 148, 607-617	4.8	11

73	Maintenance of Certification and the Platinum Rule: An Existential Crisis. <i>Mayo Clinic Proceedings</i> , <b>2020</b> , 95, 228-230	6.4	1
72	Medicolegal issues in abusive head trauma for the pediatric neurosurgeon. <i>Neurosurgical Focus</i> , <b>2020</b> , 49, E23	4.2	1
71	Pediatric functional hemispherectomy: operative techniques and complication avoidance. <i>Neurosurgical Focus</i> , <b>2020</b> , 48, E9	4.2	6
70	The Judicious Use of Stereotactic Radiosurgery and Hypofractionated Stereotactic Radiotherapy in the Management of Large Brain Metastases. <i>Cancers</i> , <b>2020</b> , 13,	6.6	3
69	Continuous improvement in patient safety and quality in neurological surgery: the American Board of Neurological Surgery in the past, present, and future. <i>Journal of Neurosurgery</i> , <b>2020</b> , 1-7	3.2	1
68	Evaluating angioarchitectural characteristics of glial and metastatic brain tumors with conventional magnetic resonance imaging. <i>Journal of Clinical Neuroscience</i> , <b>2020</b> , 76, 46-52	2.2	2
67	Surgical Versus Endovascular Management of Ruptured and Unruptured Intracranial Aneurysms: Emergent Issues and Future Directions. <i>World Neurosurgery</i> , <b>2020</b> , 136, 17-27	2.1	8
66	Enhancing Concussion Management in the National Football League: Evolution and Initial Results of the Unaffiliated Neurotrauma Consultants Program, 2012-2017. <i>Neurosurgery</i> , <b>2020</b> , 87, 312-319	3.2	5
65	A Comparison of Subgaleal Versus Subperiosteal Dissection in Open Cranial Vault Expansion for Sagittal Craniosynostosis. <i>World Neurosurgery</i> , <b>2020</b> , 143, 108-113	2.1	
64	Economic Impact of COVID-19 on a High-Volume Academic Neurosurgical Practice. <i>World Neurosurgery</i> , <b>2020</b> , 143, e561-e566	2.1	15
63	Genetically engineered macrophages persist in solid tumors and locally deliver therapeutic proteins to activate immune responses <b>2020</b> , 8,		13
62	Conserved cell types with divergent features in human versus mouse cortex. <i>Nature</i> , <b>2019</b> , 573, 61-68	50.4	569
61	Risk of Posttraumatic Stress Disorder and Major Depression in Civilian Patients After Mild Traumatic Brain Injury: A TRACK-TBI Study. <i>JAMA Psychiatry</i> , <b>2019</b> , 76, 249-258	14.5	82
60	Recovery After Mild Traumatic Brain Injury in Patients Presenting to US Level I Trauma Centers: A Transforming Research and Clinical Knowledge in Traumatic Brain Injury (TRACK-TBI) Study. <i>JAMA Neurology</i> , <b>2019</b> , 76, 1049-1059	17.2	112
59	Commentary: Gamma Knife Radiosurgery for Multiple Sclerosis-Associated Trigeminal Neuralgia. <i>Neurosurgery</i> , <b>2019</b> , 85, E941-E942	3.2	1
58	Acute traumatic presentation of Chiari I malformation with central cord syndrome and presyrinx in an infant. <i>Surgical Neurology International</i> , <b>2019</b> , 10, 253	1	2
57	Time-Resolved MRI Assessment of Convection-Enhanced Delivery by Targeted and Nontargeted Nanoparticles in a Human Glioblastoma Mouse Model. <i>Cancer Research</i> , <b>2019</b> , 79, 4776-4786	10.1	19
56	Evolution of Bandeau Shape, Orbital Morphology, and Craniofacial Twist after Fronto-Orbital Advancement for Isolated Unilateral Coronal Synostosis: A Case-Control Study of 2-Year Outcomes. <i>Plastic and Reconstructive Surgery</i> , <b>2019</b> , 143, 1703-1711	2.7	6

55	Patterns of Failure After Stereotactic Radiosurgery for Recurrent High-Grade Glioma: A Single Institution Experience of 10 Years. <i>Neurosurgery</i> , <b>2019</b> , 85, E322-E331	3.2	6
54	Post-Traumatic Hydrocephalus in Children: A Retrospective Study in 42 Pediatric Hospitals Using the Pediatric Health Information System. <i>Neurosurgery</i> , <b>2018</b> , 83, 732-739	3.2	13
53	National Football League Head, Neck and Spine Committee's Concussion Diagnosis and Management Protocol: 2017-18 season. <i>British Journal of Sports Medicine</i> , <b>2018</b> , 52, 894-902	10.3	37
52	The Berlin International Consensus Meeting on Concussion in Sport. <i>Neurosurgery</i> , <b>2018</b> , 82, 232-236	3.2	18
51	Cardiac-Related Spinal Cord Tissue Motion at the Foramen Magnum is Increased in Patients with Type I Chiari Malformation and Decreases Postdecompression Surgery. <i>World Neurosurgery</i> , <b>2018</b> , 116, e298-e307	2.1	12
50	Cerebellar tonsil ectopia measurement in type I Chiari malformation patients show poor inter-operator reliability. <i>Fluids and Barriers of the CNS</i> , <b>2018</b> , 15, 33	7	10
49	Diagnosis and Management of Mild Traumatic Brain Injury in Children: A Systematic Review. <i>JAMA Pediatrics</i> , <b>2018</b> , 172, e182847	8.3	61
48	Centers for Disease Control and Prevention Guideline on the Diagnosis and Management of Mild Traumatic Brain Injury Among Children. <i>JAMA Pediatrics</i> , <b>2018</b> , 172, e182853	8.3	223
47	Atypical Presentation of Giant Aneurysm in Pediatric Patient with Duane Syndrome. <i>World Neurosurgery</i> , <b>2018</b> , 116, 25-28	2.1	1
46	A robust ex vivo experimental platform for molecular-genetic dissection of adult human neocortical cell types and circuits. <i>Scientific Reports</i> , <b>2018</b> , 8, 8407	4.9	38
45	What are the critical elements of sideline screening that can be used to establish the diagnosis of concussion? A systematic review. <i>British Journal of Sports Medicine</i> , <b>2017</b> , 51, 888-894	10.3	51
44	Prevalence of Abnormal Magnetic Resonance Imaging Findings in Children with Persistent Symptoms after Pediatric Sports-Related Concussion. <i>Journal of Neurotrauma</i> , <b>2017</b> , 34, 2706-2712	5.4	24
43	The Sport Concussion Assessment Tool 5th Edition (SCAT5): Background and rationale. <i>British Journal of Sports Medicine</i> , <b>2017</b> , 51, 848-850	10.3	270
42	The Concussion Recognition Tool 5th Edition (CRT5): Background and rationale. <i>British Journal of Sports Medicine</i> , <b>2017</b> , 51, 870-871	10.3	24
41	Consensus statement on concussion in sport-the 5 international conference on concussion in sport held in Berlin, October 2016. <i>British Journal of Sports Medicine</i> , <b>2017</b> , 51, 838-847	10.3	1319
40	The Child Sport Concussion Assessment Tool 5th Edition (Child SCAT5): Background and rationale. <i>British Journal of Sports Medicine</i> , <b>2017</b> , 51, 859-861	10.3	78
39	Nanoparticle-mediated knockdown of DNA repair sensitizes cells to radiotherapy and extends survival in a genetic mouse model of glioblastoma. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , <b>2017</b> , 13, 2131-2139	6	28
38	pH-Sensitive O6-Benzylguanosine Polymer Modified Magnetic Nanoparticles for Treatment of Glioblastomas. <i>Bioconjugate Chemistry</i> , <b>2017</b> , 28, 194-202	6.3	10

37	Neuropathological and transcriptomic characteristics of the aged brain. <i>ELife</i> , <b>2017</b> , 6,	8.9	50
36	A Single-Institution Experience with Pineal Region Tumors: 50 Tumors Over 1 Decade. <i>Operative Neurosurgery</i> , <b>2017</b> , 13, 566-575	1.6	13
35	Author response: Neuropathological and transcriptomic characteristics of the aged brain <b>2017</b> ,		3
34	NKG2D ligand expression in pediatric brain tumors. <i>Cancer Biology and Therapy</i> , <b>2016</b> , 17, 1253-1265	4.6	14
33	Culture on 3D Chitosan-Hyaluronic Acid Scaffolds Enhances Stem Cell Marker Expression and Drug Resistance in Human Glioblastoma Cancer Stem Cells. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 3173-3181 <sup>10.1</sup>		44
32	Towards use of MRI-guided ultrasound for treating cerebral vasospasm. <i>Journal of Therapeutic Ultrasound</i> , <b>2016</b> , 4, 6		6
31	Approach to Rapid Synthesis and Functionalization of Iron Oxide Nanoparticles for High Gene Transfection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6320-8	9.5	45
30	Moyamoya Disease in a Patient with VACTERL Association. <i>World Neurosurgery</i> , <b>2016</b> , 89, 729.e7-729.e10.1		2
29	Modeling the tumor microenvironment using chitosan-alginate scaffolds to control the stem-like state of glioblastoma cells. <i>Biomaterials Science</i> , <b>2016</b> , 4, 610-3	7.4	22
28	Theranostic Oxygen Reactive Polymers for Treatment of Traumatic Brain Injury. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4124-4133	15.6	29
27	3D Porous Chitosan-Alginate Scaffolds Promote Proliferation and Enrichment of Cancer Stem-Like Cells. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 6326-6334	7.3	47
26	Longitudinal cerebellar diffusion tensor imaging changes in posterior fossa syndrome. <i>NeuroImage: Clinical</i> , <b>2016</b> , 12, 582-590	5.3	19
25	Nanoparticle mediated silencing of DNA repair sensitizes pediatric brain tumor cells to Irradiation. <i>Molecular Oncology</i> , <b>2015</b> , 9, 1071-80	7.9	45
24	Impact of epilepsy surgery on development of preschool children: identification of a cohort likely to benefit from early intervention. <i>Journal of Neurosurgery: Pediatrics</i> , <b>2015</b> , 16, 383-92	2.1	15
23	Nanoparticle-Mediated Target Delivery of TRAIL as Gene Therapy for Glioblastoma. <i>Advanced Healthcare Materials</i> , <b>2015</b> , 4, 2719-26	10.1	57
22	Return to Play: A Question of Balance. <i>Neurosurgery</i> , <b>2015</b> , 62 Suppl 1, 1-7	3.2	
21	Bionanotechnology and the future of glioma. <i>Surgical Neurology International</i> , <b>2015</b> , 6, S45-58	1	18
20	Proliferation and enrichment of CD133(+) glioblastoma cancer stem cells on 3D chitosan-alginate scaffolds. <i>Biomaterials</i> , <b>2014</b> , 35, 9137-43	15.6	88

19	Return to play for neurosurgical patients. <i>World Neurosurgery</i> , <b>2014</b> , 82, 485-91	2.1	10
18	Concussion advocacy and legislation: a neurological surgeon's view from the epicenter. <i>Neurosurgery</i> , <b>2014</b> , 75 Suppl 4, S122-30	3.2	11
17	Targeted cell uptake of a noninternalizing antibody through conjugation to iron oxide nanoparticles in primary central nervous system lymphoma. <i>World Neurosurgery</i> , <b>2013</b> , 80, 134-41	2.1	24
16	Assessing Clinical Care using Interactive Value Stream Mapping. <i>Proceedings of the Human Factors and Ergonomics Society</i> , <b>2013</b> , 57, 1536-1540	0.4	3
15	Fabrication of magnetic nanoparticles with controllable drug loading and release through a simple assembly approach. <i>Journal of Controlled Release</i> , <b>2012</b> , 162, 233-41	11.7	73
14	Duraplasty: a procedure not to fear!. <i>World Neurosurgery</i> , <b>2011</b> , 75, 224-5	2.1	3
13	Apurinic/aprimidinic endonuclease is inversely associated with response to radiotherapy in pediatric ependymoma. <i>International Journal of Cancer</i> , <b>2011</b> , 129, 2370-9	7.5	26
12	Sleep in patients with Chiari-I malformations. <i>Sleep and Biological Rhythms</i> , <b>2010</b> , 8, 261-266	1.3	2
11	Chlorotoxin labeled magnetic nanovectors for targeted gene delivery to glioma. <i>ACS Nano</i> , <b>2010</b> , 4, 4587-94	10.4	182
10	Chlorotoxin bound magnetic nanovector tailored for cancer cell targeting, imaging, and siRNA delivery. <i>Biomaterials</i> , <b>2010</b> , 31, 8032-42	15.6	157
9	The National Football League and concussion: leading a culture change in contact sports. <i>World Neurosurgery</i> , <b>2010</b> , 74, 560-5	2.1	20
8	PEI-PEG-Chitosan Copolymer Coated Iron Oxide Nanoparticles for Safe Gene Delivery: synthesis, complexation, and transfection. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 2244-2251	15.6	323
7	Specific targeting of brain tumors with an optical/magnetic resonance imaging nanoprobe across the blood-brain barrier. <i>Cancer Research</i> , <b>2009</b> , 69, 6200-7	10.1	305
6	Tumor paint: a chlorotoxin: Cy5.5 bioconjugate for intraoperative visualization of cancer foci. <i>Cancer Research</i> , <b>2007</b> , 67, 6882-8	10.1	322
5	2.The Failed Chiari/Syringomyelia Operation(Luncheon Seminar-2 Treatment of Syringomyelia,The 26^ Annual Meeting of The Japanese Congress of Neurological Surgeons). <i>Japanese Journal of Neurosurgery</i> , <b>2006</b> , 15, 347	0	
4	Apurinic/aprimidinic endonuclease activity is associated with response to radiation and chemotherapy in medulloblastoma and primitive neuroectodermal tumors. <i>Clinical Cancer Research</i> , <b>2005</b> , 11, 7405-14	12.9	82
3	Quantitative cine-mode magnetic resonance imaging of Chiari I malformations: an analysis of cerebrospinal fluid dynamics. <i>Neurosurgery</i> , <b>1994</b> , 35, 214-23; discussion 223-4	3.2	164
2	Human cortical expansion involves diversification and specialization of supragranular intratelencephalic-projecting neurons		19

1 Local Connectivity and Synaptic Dynamics in Mouse and Human Neocortex

3