

# Richard G Ellenbogen

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

8,430  
citations

126907

33  
h-index

56724

83  
g-index

96  
all docs

96  
docs citations

96  
times ranked

11249  
citing authors

#	ARTICLE	IF	CITATIONS
1	Local connectivity and synaptic dynamics in mouse and human neocortex. <i>Science</i> , 2022, 375, eabj5861.	12.6	124
2	In Reply: United States Medicolegal Progress and Innovation in Telemedicine in the Age of COVID-19: A Primer for Neurosurgeons. <i>Neurosurgery</i> , 2022, 90, e53-e53.	1.1	0
3	Morphologic Differences in Sagittal Synostosis with Age before Surgery. <i>Plastic and Reconstructive Surgery</i> , 2022, 149, 1165e-1175e.	1.4	3
4	siRNA Nanoparticle Suppresses Drug-Resistant Gene and Prolongs Survival in an Orthotopic Glioblastoma Xenograft Mouse Model. <i>Advanced Functional Materials</i> , 2021, 31, 2007166.	14.9	16
5	Early Effects of COVID-19 Pandemic on Neurosurgical Training in the United States: A Case Volume Analysis of 8 Programs. <i>World Neurosurgery</i> , 2021, 145, e202-e208.	1.3	26
6	Issues of consent and assent in pediatric neurosurgery. <i>Child's Nervous System</i> , 2021, 37, 33-37.	1.1	5
7	Sport-Related Structural Brain Injury and Return to Play: Systematic Review and Expert Insight. <i>Neurosurgery</i> , 2021, 88, E495-E504.	1.1	6
8	The Delayed Neuropathological Consequences of Traumatic Brain Injury in a Community-Based Sample. <i>Frontiers in Neurology</i> , 2021, 12, 624696.	2.4	22
9	Association of Sex and Age With Mild Traumatic Brain Injury-Related Symptoms: A TRACK-TBI Study. <i>JAMA Network Open</i> , 2021, 4, e213046.	5.9	74
10	United States Medicolegal Progress and Innovation in Telemedicine in the Age of COVID-19: A Primer for Neurosurgeons. <i>Neurosurgery</i> , 2021, 89, 364-371.	1.1	9
11	Evaluating the Utility of Routine Computed Tomography Scans after Cranial Vault Reconstruction for Children with Craniosynostosis. <i>Plastic and Reconstructive Surgery</i> , 2021, 148, 63e-70e.	1.4	4
12	Commentary: A Crowdsourced Consensus on Supratotal Resection Versus Gross Total Resection for Anatomically Distinct Primary Glioblastoma. <i>Neurosurgery</i> , 2021, 89, E266.	1.1	0
13	Signature morpho-electric, transcriptomic, and dendritic properties of human layer 5 neocortical pyramidal neurons. <i>Neuron</i> , 2021, 109, 2914-2927.e5.	8.1	54
14	Pediatric hemispherectomy outcome: Adaptive functioning, intelligence, and memory. <i>Epilepsy and Behavior</i> , 2021, 124, 108298.	1.7	5
15	The Judicious Use of Stereotactic Radiosurgery and Hypofractionated Stereotactic Radiotherapy in the Management of Large Brain Metastases. <i>Cancers</i> , 2021, 13, 70.	3.7	12
16	Human neocortical expansion involves glutamatergic neuron diversification. <i>Nature</i> , 2021, 598, 151-158.	27.8	160
17	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> , 2021, 147, 148-159.	1.4	4
18	Concurrent decompression and resection versus decompression with delayed resection of acutely ruptured brain arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2021, , 1-8.	1.6	0

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19	Surgical Versus Endovascular Management of Ruptured and Unruptured Intracranial Aneurysms: Emergent Issues and Future Directions. <i>World Neurosurgery</i> , 2020, 136, 17-27.	1.3	14
20	Enhancing Concussion Management in the National Football League: Evolution and Initial Results of the Unaffiliated Neurotrauma Consultants Program, 2012-2017. <i>Neurosurgery</i> , 2020, 87, 312-319.	1.1	12
21	A Comparison of Subgaleal Versus Subperiosteal Dissection in Open Cranial Vault Expansion for Sagittal Craniosynostosis. <i>World Neurosurgery</i> , 2020, 143, 108-113.	1.3	0
22	Economic Impact of COVID-19 on a High-Volume Academic Neurosurgical Practice. <i>World Neurosurgery</i> , 2020, 143, e561-e566.	1.3	25
23	Genetically engineered macrophages persist in solid tumors and locally deliver therapeutic proteins to activate immune responses. , 2020, 8, e001356.		44
24	Commentary: Stereotactic Radiosurgery for Intracranial Noncavernous Sinus Benign Meningioma: International Stereotactic Radiosurgery Society Systematic Review, Meta-Analysis and Practice Guideline. <i>Neurosurgery</i> , 2020, 87, E537-E538.	1.1	0
25	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> , 2020, 148, 607-617.	2.9	21
26	Maintenance of Certification and the Platinum Rule. <i>Mayo Clinic Proceedings</i> , 2020, 95, 228-230.	3.0	2
27	Evaluating angioarchitectural characteristics of glial and metastatic brain tumors with conventional magnetic resonance imaging. <i>Journal of Clinical Neuroscience</i> , 2020, 76, 46-52.	1.5	3
28	Pediatric functional hemispherectomy: operative techniques and complication avoidance. <i>Neurosurgical Focus</i> , 2020, 48, E9.	2.3	14
29	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> , 2020, , 1-7.	1.6	2
30	Medicolegal issues in abusive head trauma for the pediatric neurosurgeon. <i>Neurosurgical Focus</i> , 2020, 49, E23.	2.3	3
31	Commentary: Gamma Knife Radiosurgery for Multiple Sclerosis-Associated Trigeminal Neuralgia. <i>Neurosurgery</i> , 2019, 85, E941-E942.	1.1	2
32	Conserved cell types with divergent features in human versus mouse cortex. <i>Nature</i> , 2019, 573, 61-68.	27.8	1,198
33	Risk of Posttraumatic Stress Disorder and Major Depression in Civilian Patients After Mild Traumatic Brain Injury. <i>JAMA Psychiatry</i> , 2019, 76, 249.	11.0	170
34	Recovery After Mild Traumatic Brain Injury in Patients Presenting to US Level I Trauma Centers. <i>JAMA Neurology</i> , 2019, 76, 1049.	9.0	247
35	Time-Resolved MRI Assessment of Convection-Enhanced Delivery by Targeted and Nontargeted Nanoparticles in a Human Glioblastoma Mouse Model. <i>Cancer Research</i> , 2019, 79, 4776-4786.	0.9	28
36	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> , 2019, 143, 1703-1711.	1.4	16

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37	Patterns of Failure After Stereotactic Radiosurgery for Recurrent High-Grade Glioma: A Single Institution Experience of 10 Years. <i>Neurosurgery</i> , 2019, 85, E322-E331.	1.1	9
38	Acute traumatic presentation of Chiari I malformation with central cord syndrome and presyrinx in an infant. , 2019, 10, 253.		3
39	Post-Traumatic Hydrocephalus in Children: A Retrospective Study in 42 Pediatric Hospitals Using the Pediatric Health Information System. <i>Neurosurgery</i> , 2018, 83, 732-739.	1.1	21
40	National Football League Head, Neck and Spine Committee's Concussion Diagnosis and Management Protocol: 2017-18 season. <i>British Journal of Sports Medicine</i> , 2018, 52, 894-902.	6.7	51
41	The Berlin International Consensus Meeting on Concussion in Sport. <i>Neurosurgery</i> , 2018, 82, 232-236.	1.1	22
42	Cerebellar tonsil ectopia measurement in type I Chiari malformation patients show poor inter-operator reliability. <i>Fluids and Barriers of the CNS</i> , 2018, 15, 33.	5.0	17
43	Diagnosis and Management of Mild Traumatic Brain Injury in Children. <i>JAMA Pediatrics</i> , 2018, 172, e182847.	6.2	106
44	Centers for Disease Control and Prevention Guideline on the Diagnosis and Management of Mild Traumatic Brain Injury Among Children. <i>JAMA Pediatrics</i> , 2018, 172, e182853.	6.2	357
45	Atypical Presentation of Giant Aneurysm in Pediatric Patient with Duane Syndrome. <i>World Neurosurgery</i> , 2018, 116, 25-28.	1.3	1
46	A robust ex vivo experimental platform for molecular-genetic dissection of adult human neocortical cell types and circuits. <i>Scientific Reports</i> , 2018, 8, 8407.	3.3	77
47	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> , 2018, 116, e298-e307.	1.3	20
48	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> , 2017, 51, bjsports-2016-097441.	6.7	67
49	Prevalence of Abnormal Magnetic Resonance Imaging Findings in Children with Persistent Symptoms after Pediatric Sports-Related Concussion. <i>Journal of Neurotrauma</i> , 2017, 34, 2706-2712.	3.4	33
50	The Sport Concussion Assessment Tool 5th Edition (SCAT5). <i>British Journal of Sports Medicine</i> , 2017, 51, bjsports-2017-097506.	6.7	414
51	The Concussion Recognition Tool 5th Edition (CRT5). <i>British Journal of Sports Medicine</i> , 2017, 51, bjsports-2017-097508.	6.7	38
52	Consensus statement on concussion in sport—the 5 <sup>th</sup> international conference on concussion in sport held in Berlin, October 2016. <i>British Journal of Sports Medicine</i> , 2017, 51, bjsports-2017-097699.	6.7	1,903
53	The Child Sport Concussion Assessment Tool 5th Edition (Child SCAT5). <i>British Journal of Sports Medicine</i> , 2017, 51, bjsports-2017-097492.	6.7	104
54	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> , 2017, 13, 2131-2139.	3.3	37

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55	pH-Sensitive O6-Benzylguanosine Polymer Modified Magnetic Nanoparticles for Treatment of Glioblastomas. <i>Bioconjugate Chemistry</i> , 2017, 28, 194-202.	3.6	15
56	Infographic: Consensus statement on concussion in sport. <i>British Journal of Sports Medicine</i> , 2017, 51, 1557-1558.	6.7	87
57	A Single-Institution Experience with Pineal Region Tumors: 50 Tumors Over 1 Decade. <i>Operative Neurosurgery</i> , 2017, 13, 566-575.	0.8	22
58	Neuropathological and transcriptomic characteristics of the aged brain. <i>ELife</i> , 2017, 6, .	6.0	97
59	Theranostic Oxygen Reactive Polymers for Treatment of Traumatic Brain Injury. <i>Advanced Functional Materials</i> , 2016, 26, 4124-4133.	14.9	38
60	3D porous chitosan- $\alpha$ -alginate scaffolds promote proliferation and enrichment of cancer stem-like cells. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6326-6334.	5.8	63
61	Longitudinal cerebellar diffusion tensor imaging changes in posterior fossa syndrome. <i>NeuroImage: Clinical</i> , 2016, 12, 582-590.	2.7	31
62	NKG2D ligand expression in pediatric brain tumors. <i>Cancer Biology and Therapy</i> , 2016, 17, 1253-1265.	3.4	26
63	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> , 2016, 5, 3173-3181.	7.6	60
64	Towards use of MRI-guided ultrasound for treating cerebral vasospasm. <i>Journal of Therapeutic Ultrasound</i> , 2016, 4, 6.	2.2	7
65	Approach to Rapid Synthesis and Functionalization of Iron Oxide Nanoparticles for High Gene Transfection. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 6320-6328.	8.0	55
66	Moyamoya Disease in a Patient with VACTERL Association. <i>World Neurosurgery</i> , 2016, 89, 729.e7-729.e10.	1.3	2
67	Editorial: A new definition of postconcussive syndrome. <i>Journal of Neurosurgery</i> , 2016, 125, 1204-1205.	1.6	0
68	Modeling the tumor microenvironment using chitosan-alginate scaffolds to control the stem-like state of glioblastoma cells. <i>Biomaterials Science</i> , 2016, 4, 610-613.	5.4	28
69	Nanoparticle-Mediated Target Delivery of TRAIL as Gene Therapy for Glioblastoma. <i>Advanced Healthcare Materials</i> , 2015, 4, 2719-2726.	7.6	69
70	Return to Play. <i>Neurosurgery</i> , 2015, 62, 1-7.	1.1	1
71	Bionanotechnology and the Future of Glioma. , 2015, 6, 45.		24
72	Use of Clinical Prediction Rules for Guiding Use of Computed Tomography in Adults With Head Trauma. <i>JAMA - Journal of the American Medical Association</i> , 2015, 314, 2629.	7.4	13

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73	Nanoparticle mediated silencing of DNA repair sensitizes pediatric brain tumor cells to $\gamma$ irradiation. <i>Molecular Oncology</i> , 2015, 9, 1071-1080.	4.6	57
74	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> , 2015, 16, 383-392.	1.3	27
75	Concussion Advocacy and Legislation. <i>Neurosurgery</i> , 2014, 75, S122-S130.	1.1	13
76	Proliferation and enrichment of CD133+ glioblastoma cancer stem cells on 3D chitosan-alginate scaffolds. <i>Biomaterials</i> , 2014, 35, 9137-9143.	11.4	105
77	Return to Play for Neurosurgical Patients. <i>World Neurosurgery</i> , 2014, 82, 485-491.	1.3	15
78	Targeted Cell Uptake of a Noninternalizing Antibody Through Conjugation to Iron Oxide Nanoparticles in Primary Central Nervous System Lymphoma. <i>World Neurosurgery</i> , 2013, 80, 134-141.	1.3	25
79	Assessing Clinical Care using Interactive Value Stream Mapping. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 1536-1540.	0.3	4
80	Fabrication of magnetic nanoparticles with controllable drug loading and release through a simple assembly approach. <i>Journal of Controlled Release</i> , 2012, 162, 233-241.	9.9	83
81	Duraplasty: A Procedure Not to Fear!. <i>World Neurosurgery</i> , 2011, 75, 224-225.	1.3	4
82	Apurinic/apyrimidinic endonuclease is inversely associated with response to radiotherapy in pediatric ependymoma. <i>International Journal of Cancer</i> , 2011, 129, 2370-2379.	5.1	29
83	Chlorotoxin bound magnetic nanovector tailored for cancer cell targeting, imaging, and siRNA delivery. <i>Biomaterials</i> , 2010, 31, 8032-8042.	11.4	175
84	The National Football League and Concussion: Leading a Culture Change in Contact Sports. <i>World Neurosurgery</i> , 2010, 74, 560-565.	1.3	21
85	Sleep in patients with Chiari-I malformations. <i>Sleep and Biological Rhythms</i> , 2010, 8, 261-266.	1.0	2
86	Chlorotoxin Labeled Magnetic Nanovectors for Targeted Gene Delivery to Glioma. <i>ACS Nano</i> , 2010, 4, 4587-4594.	14.6	203
87	PEI-PEG-Chitosan-Copolymer-Coated Iron Oxide Nanoparticles for Safe Gene Delivery: Synthesis, Complexation, and Transfection. <i>Advanced Functional Materials</i> , 2009, 19, 2244-2251.	14.9	359
88	Specific Targeting of Brain Tumors with an Optical/Magnetic Resonance Imaging Nanoprobe across the Blood-Brain Barrier. <i>Cancer Research</i> , 2009, 69, 6200-6207.	0.9	347
89	Tumor Paint: A Chlorotoxin: Cy5.5 Bioconjugate for Intraoperative Visualization of Cancer Foci. <i>Cancer Research</i> , 2007, 67, 6882-6888.	0.9	384
90	2.The Failed Chiari/Syringomyelia Operation(Luncheon Seminar-2 Treatment of Syringomyelia,The) <i>Neurosurgery</i> , 2006, 15, 347.	0.0	0

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91	Apurinic/Apyrimidinic Endonuclease Activity Is Associated with Response to Radiation and Chemotherapy in Medulloblastoma and Primitive Neuroectodermal Tumors. <i>Clinical Cancer Research</i> , 2005, 11, 7405-7414.	7.0	97
92	Quantitative Cine-mode Magnetic Resonance Imaging of Chiari I Malformations. <i>Neurosurgery</i> , 1994, 35, 214-224.	1.1	191