

Richard G Ellenbogen

List of Publications by Year in descending order

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Version: 2024-02-01

92
papers

8,430
citations

126858

33
h-index

56687

83
g-index

96
all docs

96
docs citations

96
times ranked

11249
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus statement on concussion in sport—the 5 th international conference on concussion in sport held in Berlin, October 2016. <i>British Journal of Sports Medicine</i> , 2017, 51, bjsports-2017-097699.	3.1	1,903
2	Conserved cell types with divergent features in human versus mouse cortex. <i>Nature</i> , 2019, 573, 61-68.	13.7	1,198
3	The Sport Concussion Assessment Tool 5th Edition (SCAT5). <i>British Journal of Sports Medicine</i> , 2017, 51, bjsports-2017-097506.	3.1	414
4	Tumor Paint: A Chlorotoxin: Cy5.5 Bioconjugate for Intraoperative Visualization of Cancer Foci. <i>Cancer Research</i> , 2007, 67, 6882-6888.	0.4	384
5	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.	7.8	359
6	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.	3.3	357
7	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.	0.4	347
8	Recovery After Mild Traumatic Brain Injury in Patients Presenting to US Level I Trauma Centers. <i>JAMA Neurology</i> , 2019, 76, 1049.	4.5	247
9	Chlorotoxin Labeled Magnetic Nanovectors for Targeted Gene Delivery to Glioma. <i>ACS Nano</i> , 2010, 4, 4587-4594.	7.3	203
10	Quantitative Cine-mode Magnetic Resonance Imaging of Chiari I Malformations. <i>Neurosurgery</i> , 1994, 35, 214-224.	0.6	191
11	Chlorotoxin bound magnetic nanovector tailored for cancer cell targeting, imaging, and siRNA delivery. <i>Biomaterials</i> , 2010, 31, 8032-8042.	5.7	175
12	Risk of Posttraumatic Stress Disorder and Major Depression in Civilian Patients After Mild Traumatic Brain Injury. <i>JAMA Psychiatry</i> , 2019, 76, 249.	6.0	170
13	Human neocortical expansion involves glutamatergic neuron diversification. <i>Nature</i> , 2021, 598, 151-158.	13.7	160
14	Local connectivity and synaptic dynamics in mouse and human neocortex. <i>Science</i> , 2022, 375, eabj5861.	6.0	124
15	Diagnosis and Management of Mild Traumatic Brain Injury in Children. <i>JAMA Pediatrics</i> , 2018, 172, e182847.	3.3	106
16	Proliferation and enrichment of CD133+ glioblastoma cancer stem cells on 3D chitosan-alginate scaffolds. <i>Biomaterials</i> , 2014, 35, 9137-9143.	5.7	105
17	The Child Sport Concussion Assessment Tool 5th Edition (Child SCAT5). <i>British Journal of Sports Medicine</i> , 2017, 51, bjsports-2017-097492.	3.1	104
18	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.	3.2	97

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19	Neuropathological and transcriptomic characteristics of the aged brain. <i>ELife</i> , 2017, 6, .	2.8	97
20	Infographic: Consensus statement on concussion in sport. <i>British Journal of Sports Medicine</i> , 2017, 51, 1557-1558.	3.1	87
21	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.	4.8	83
22	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.	1.6	77
23	Association of Sex and Age With Mild Traumatic Brain Injury-Related Symptoms: A TRACK-TBI Study. <i>JAMA Network Open</i> , 2021, 4, e213046.	2.8	74
24	Nanoparticle-Mediated Target Delivery of TRAIL as Gene Therapy for Glioblastoma. <i>Advanced Healthcare Materials</i> , 2015, 4, 2719-2726.	3.9	69
25	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.	3.1	67
26	3D porous chitosan-alginate scaffolds promote proliferation and enrichment of cancer stem-like cells. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6326-6334.	2.9	63
27	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.	3.9	60
28	Nanoparticle mediated silencing of DNA repair sensitizes pediatric brain tumor cells to γ -irradiation. <i>Molecular Oncology</i> , 2015, 9, 1071-1080.	2.1	57
29	Approach to Rapid Synthesis and Functionalization of Iron Oxide Nanoparticles for High Gene Transfection. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 6320-6328.	4.0	55
30	Signature morpho-electric, transcriptomic, and dendritic properties of human layer 5 neocortical pyramidal neurons. <i>Neuron</i> , 2021, 109, 2914-2927.e5.	3.8	54
31	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.	3.1	51
32	Genetically engineered macrophages persist in solid tumors and locally deliver therapeutic proteins to activate immune responses. , 2020, 8, e001356.		44
33	Theranostic Oxygen Reactive Polymers for Treatment of Traumatic Brain Injury. <i>Advanced Functional Materials</i> , 2016, 26, 4124-4133.	7.8	38
34	The Concussion Recognition Tool 5th Edition (CRT5). <i>British Journal of Sports Medicine</i> , 2017, 51, bjsports-2017-097508.	3.1	38
35	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.	1.7	37
36	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.	1.7	33

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37	Longitudinal cerebellar diffusion tensor imaging changes in posterior fossa syndrome. <i>NeuroImage: Clinical</i> , 2016, 12, 582-590.	1.4	31
38	Apurinic/apyrimidinic endonuclease is inversely associated with response to radiotherapy in pediatric ependymoma. <i>International Journal of Cancer</i> , 2011, 129, 2370-2379.	2.3	29
39	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.	2.6	28
40	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.	0.4	28
41	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.	0.8	27
42	NKG2D ligand expression in pediatric brain tumors. <i>Cancer Biology and Therapy</i> , 2016, 17, 1253-1265.	1.5	26
43	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.	0.7	26
44	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.	0.7	25
45	Economic Impact of COVID-19 on a High-Volume Academic Neurosurgical Practice. <i>World Neurosurgery</i> , 2020, 143, e561-e566.	0.7	25
46	Bionanotechnology and the Future of Glioma. , 2015, 6, 45.		24
47	A Single-Institution Experience with Pineal Region Tumors: 50 Tumors Over 1 Decade. <i>Operative Neurosurgery</i> , 2017, 13, 566-575.	0.4	22
48	The Berlin International Consensus Meeting on Concussion in Sport. <i>Neurosurgery</i> , 2018, 82, 232-236.	0.6	22
49	The Delayed Neuropathological Consequences of Traumatic Brain Injury in a Community-Based Sample. <i>Frontiers in Neurology</i> , 2021, 12, 624696.	1.1	22
50	The National Football League and Concussion: Leading a Culture Change in Contact Sports. <i>World Neurosurgery</i> , 2010, 74, 560-565.	0.7	21
51	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.	0.6	21
52	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.	1.4	21
53	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.	0.7	20
54	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.	2.4	17

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55	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.	0.7	16
56	siRNA Nanoparticle Suppresses Drug-Resistant Gene and Prolongs Survival in an Orthotopic Glioblastoma Xenograft Mouse Model. <i>Advanced Functional Materials</i> , 2021, 31, 2007166.	7.8	16
57	Return to Play for Neurosurgical Patients. <i>World Neurosurgery</i> , 2014, 82, 485-491.	0.7	15
58	pH-Sensitive O6-Benzylguanosine Polymer Modified Magnetic Nanoparticles for Treatment of Glioblastomas. <i>Bioconjugate Chemistry</i> , 2017, 28, 194-202.	1.8	15
59	Surgical Versus Endovascular Management of Ruptured and Unruptured Intracranial Aneurysms: Emergent Issues and Future Directions. <i>World Neurosurgery</i> , 2020, 136, 17-27.	0.7	14
60	Pediatric functional hemispherectomy: operative techniques and complication avoidance. <i>Neurosurgical Focus</i> , 2020, 48, E9.	1.0	14
61	Concussion Advocacy and Legislation. <i>Neurosurgery</i> , 2014, 75, S122-S130.	0.6	13
62	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.	3.8	13
63	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.	0.6	12
64	The Judicious Use of Stereotactic Radiosurgery and Hypofractionated Stereotactic Radiotherapy in the Management of Large Brain Metastases. <i>Cancers</i> , 2021, 13, 70.	1.7	12
65	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.	0.6	9
66	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.	0.6	9
67	Towards use of MRI-guided ultrasound for treating cerebral vasospasm. <i>Journal of Therapeutic Ultrasound</i> , 2016, 4, 6.	2.2	7
68	Sport-Related Structural Brain Injury and Return to Play: Systematic Review and Expert Insight. <i>Neurosurgery</i> , 2021, 88, E495-E504.	0.6	6
69	Issues of consent and assent in pediatric neurosurgery. <i>Child's Nervous System</i> , 2021, 37, 33-37.	0.6	5
70	Pediatric hemispherectomy outcome: Adaptive functioning, intelligence, and memory. <i>Epilepsy and Behavior</i> , 2021, 124, 108298.	0.9	5
71	Duraplasty: A Procedure Not to Fear!. <i>World Neurosurgery</i> , 2011, 75, 224-225.	0.7	4
72	Assessing Clinical Care using Interactive Value Stream Mapping. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2013, 57, 1536-1540.	0.2	4

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73	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.	0.7	4
74	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.	0.7	4
75	Evaluating angioarchitectural characteristics of glial and metastatic brain tumors with conventional magnetic resonance imaging. <i>Journal of Clinical Neuroscience</i> , 2020, 76, 46-52.	0.8	3
76	Acute traumatic presentation of Chiari I malformation with central cord syndrome and presyrinx in an infant. , 2019, 10, 253.		3
77	Medicolegal issues in abusive head trauma for the pediatric neurosurgeon. <i>Neurosurgical Focus</i> , 2020, 49, E23.	1.0	3
78	Morphologic Differences in Sagittal Synostosis with Age before Surgery. <i>Plastic and Reconstructive Surgery</i> , 2022, 149, 1165e-1175e.	0.7	3
79	Sleep in patients with Chiari-I malformations. <i>Sleep and Biological Rhythms</i> , 2010, 8, 261-266.	0.5	2
80	Moyamoya Disease in a Patient with VACTERL Association. <i>World Neurosurgery</i> , 2016, 89, 729.e7-729.e10.	0.7	2
81	Commentary: Gamma Knife Radiosurgery for Multiple Sclerosis-Associated Trigeminal Neuralgia. <i>Neurosurgery</i> , 2019, 85, E941-E942.	0.6	2
82	Maintenance of Certification and the Platinum Rule. <i>Mayo Clinic Proceedings</i> , 2020, 95, 228-230.	1.4	2
83	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.	0.9	2
84	Return to Play. <i>Neurosurgery</i> , 2015, 62, 1-7.	0.6	1
85	Atypical Presentation of Giant Aneurysm in Pediatric Patient with Duane Syndrome. <i>World Neurosurgery</i> , 2018, 116, 25-28.	0.7	1
86	Editorial: A new definition of postconcussive syndrome. <i>Journal of Neurosurgery</i> , 2016, 125, 1204-1205.	0.9	0
87	A Comparison of Subgaleal Versus Subperiosteal Dissection in Open Cranial Vault Expansion for Sagittal Craniosynostosis. <i>World Neurosurgery</i> , 2020, 143, 108-113.	0.7	0
88	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.	0.6	0
89	Commentary: A Crowdsourced Consensus on Supratotal Resection Versus Gross Total Resection for Anatomically Distinct Primary Glioblastoma. <i>Neurosurgery</i> , 2021, 89, E266.	0.6	0
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	Concurrent decompression and resection versus decompression with delayed resection of acutely ruptured brain arteriovenous malformations. <i>Journal of Neurosurgery</i> , 2021, , 1-8.	0.9	0
92	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.	0.6	0