Richard G Ellenbogen

List of Publications by Year
in descending order

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	Consensus statement on concussion in sportâ€"the 5thinternational conference on concussion in sport held in Berlin, October 2016. British Journal of Sports Medicine, 2017, 51, bjsports-2017-097699.	6.7	1,903
2	Conserved cell types with divergent features in human versus mouse cortex. Nature, 2019, 573, 61-68.	27.8	1,198
3	The Sport Concussion Assessment Tool 5th Edition (SCAT5). British Journal of Sports Medicine, 2017, 51, bjsports-2017-097506.	6.7	414
4	Tumor Paint: A Chlorotoxin:Cy5.5 Bioconjugate for Intraoperative Visualization of Cancer Foci. Cancer Research, 2007, 67, 6882-6888.	0.9	384
5	PEIâ€"PEGâ€"Chitosanâ€Copolymerâ€Coated Iron Oxide Nanoparticles for Safe Gene Delivery: Synthesis, Complexation, and Transfection. Advanced Functional Materials, 2009, 19, 2244-2251.	14.9	359
6	Centers for Disease Control and Prevention Guideline on the Diagnosis and Management of Mild Traumatic Brain Injury Among Children. JAMA Pediatrics, 2018, 172, e182853.	6.2	357
7	Specific Targeting of Brain Tumors with an Optical/Magnetic Resonance Imaging Nanoprobe across the Blood-Brain Barrier. Cancer Research, 2009, 69, 6200-6207.	0.9	347
8	Recovery After Mild Traumatic Brain Injury in Patients Presenting to US Level I Trauma Centers. JAMA Neurology, 2019, 76, 1049.	9.0	247
9	Chlorotoxin Labeled Magnetic Nanovectors for Targeted Gene Delivery to Glioma. ACS Nano, 2010, 4, 4587-4594.	14.6	203
10	Quantitative Cine-mode Magnetic Resonance Imaging of Chiari I Malformations. Neurosurgery, 1994, 35, 214-224.	1.1	191
11	Chlorotoxin bound magnetic nanovector tailored for cancer cell targeting, imaging, and siRNA delivery. Biomaterials, 2010, 31, 8032-8042.	11.4	175
12	Risk of Posttraumatic Stress Disorder and Major Depression in Civilian Patients After Mild Traumatic Brain Injury. JAMA Psychiatry, 2019, 76, 249.	11.0	170
13	Human neocortical expansion involves glutamatergic neuron diversification. Nature, 2021, 598, 151-158.	27.8	160
14	Local connectivity and synaptic dynamics in mouse and human neocortex. Science, 2022, 375, eabj5861.	12.6	124
15	Diagnosis and Management of Mild Traumatic Brain Injury in Children. JAMA Pediatrics, 2018, 172, e182847.	6.2	106
16	Proliferation and enrichment of CD133+ glioblastoma cancer stem cells on 3D chitosan-alginate scaffolds. Biomaterials, 2014, 35, 9137-9143.	11.4	105
17	The Child Sport Concussion Assessment Tool 5th Edition (Child SCAT5). British Journal of Sports Medicine, 2017, 51, bjsports-2017-097492.	6.7	104
18	Apurinic/Apyrimidinic Endonuclease Activity Is Associated with Response to Radiation and Chemotherapy in Medulloblastoma and Primitive Neuroectodermal Tumors. Clinical Cancer Research, 2005, 11, 7405-7414.	7.0	97

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19	Neuropathological and transcriptomic characteristics of the aged brain. ELife, 2017, 6, .	6.0	97
20	Infographic: Consensus statement on concussion in sport. British Journal of Sports Medicine, 2017, 51, 1557-1558.	6.7	87
21	Fabrication of magnetic nanoparticles with controllable drug loading and release through a simple assembly approach. Journal of Controlled Release, 2012, 162, 233-241.	9.9	83
22	A robust ex vivo experimental platform for molecular-genetic dissection of adult human neocortical cell types and circuits. Scientific Reports, 2018, 8, 8407.	3.3	77
23	Association of Sex and Age With Mild Traumatic Brain Injuryâ€"Related Symptoms: A TRACK-TBI Study. JAMA Network Open, 2021, 4, e213046.	5.9	74
24	Nanoparticleâ€Mediated Target Delivery of TRAIL as Gene Therapy for Glioblastoma. Advanced Healthcare Materials, 2015, 4, 2719-2726.	7.6	69
25	What are the critical elements of sideline screening that can be used to establish the diagnosis of concussion? A systematic review. British Journal of Sports Medicine, 2017, 51, bjsports-2016-097441.	6.7	67
26	3D porous chitosanâ€"alginate scaffolds promote proliferation and enrichment of cancer stem-like cells. Journal of Materials Chemistry B, 2016, 4, 6326-6334.	5.8	63
27	Culture on 3D Chitosanâ€Hyaluronic Acid Scaffolds Enhances Stem Cell Marker Expression and Drug Resistance in Human Glioblastoma Cancer Stem Cells. Advanced Healthcare Materials, 2016, 5, 3173-3181.	7.6	60
28	Nanoparticle mediated silencing of DNA repair sensitizes pediatric brain tumor cells to Î³â€irradiation. Molecular Oncology, 2015, 9, 1071-1080.	4.6	57
29	Approach to Rapid Synthesis and Functionalization of Iron Oxide Nanoparticles for High Gene Transfection. ACS Applied Materials & Interfaces, 2016, 8, 6320-6328.	8.0	55
30	Signature morpho-electric, transcriptomic, and dendritic properties of human layer 5 neocortical pyramidal neurons. Neuron, 2021, 109, 2914-2927.e5.	8.1	54
31	National Football League Head, Neck and Spine Committeeâ€™s Concussion Diagnosis and Management Protocol: 2017-18 season. British Journal of Sports Medicine, 2018, 52, 894-902.	6.7	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. Advanced Functional Materials, 2016, 26, 4124-4133.	14.9	38
34	The Concussion Recognition Tool 5th Edition (CRT5). British Journal of Sports Medicine, 2017, 51, bjsports-2017-097508.	6.7	38
35	Nanoparticle-mediated knockdown of DNA repair sensitizes cells to radiotherapy and extends survival in a genetic mouse model of glioblastoma. Nanomedicine: Nanotechnology, Biology, and Medicine, 2017, 13, 2131-2139.	3.3	37
36	Prevalence of Abnormal Magnetic Resonance Imaging Findings in Children with Persistent Symptoms after Pediatric Sports-Related Concussion. Journal of Neurotrauma, 2017, 34, 2706-2712.	3.4	33

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37	Longitudinal cerebellar diffusion tensor imaging changes in posterior fossa syndrome. NeuroImage: Clinical, 2016, 12, 582-590.	2.7	31
38	Apurinic/apyrimidinic endonuclease is inversely associated with response to radiotherapy in pediatric ependymoma. International Journal of Cancer, 2011, 129, 2370-2379.	5.1	29
39	Modeling the tumor microenvironment using chitosan-alginate scaffolds to control the stem-like state of glioblastoma cells. Biomaterials Science, 2016, 4, 610-613.	5.4	28
40	Time-Resolved MRI Assessment of Convection-Enhanced Delivery by Targeted and Nontargeted Nanoparticles in a Human Glioblastoma Mouse Model. Cancer Research, 2019, 79, 4776-4786.	0.9	28
41	Impact of epilepsy surgery on development of preschool children: identification of a cohort likely to benefit from early intervention. Journal of Neurosurgery: Pediatrics, 2015, 16, 383-392.	1.3	27
42	NKG2D ligand expression in pediatric brain tumors. Cancer Biology and Therapy, 2016, 17, 1253-1265.	3.4	26
43	Early Effects of COVID-19 Pandemic on Neurosurgical Training in the United States: A Case Volume Analysis of 8 Programs. World Neurosurgery, 2021, 145, e202-e208.	1.3	26
44	Targeted Cell Uptake of a Noninternalizing Antibody Through Conjugation to Iron Oxide Nanoparticles in Primary Central Nervous System Lymphoma. World Neurosurgery, 2013, 80, 134-141.	1.3	25
45	Economic Impact of COVID-19 on a High-Volume Academic Neurosurgical Practice. World Neurosurgery, 2020, 143, e561-e566.	1.3	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. Operative Neurosurgery, 2017, 13, 566-575.	0.8	22
48	The Berlin International Consensus Meeting on Concussion in Sport. Neurosurgery, 2018, 82, 232-236.	1.1	22
49	The Delayed Neuropathological Consequences of Traumatic Brain Injury in a Community-Based Sample. Frontiers in Neurology, 2021, 12, 624696.	2.4	22
50	The National Football League and Concussion: Leading a Culture Change in Contact Sports. World Neurosurgery, 2010, 74, 560-565.	1.3	21
51	Post-Traumatic Hydrocephalus in Children: A Retrospective Study in 42 Pediatric Hospitals Using the Pediatric Health Information System. Neurosurgery, 2018, 83, 732-739.	1.1	21
52	Children with DIPG and high-grade glioma treated with temozolomide, irinotecan, and bevacizumab: the Seattle Childrenâ€™s Hospital experience. Journal of Neuro-Oncology, 2020, 148, 607-617.	2.9	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. World Neurosurgery, 2018, 116, e298-e307.	1.3	20
54	Cerebellar tonsil ectopia measurement in type I Chiari malformation patients show poor inter-operator reliability. Fluids and Barriers of the CNS, 2018, 15, 33.	5.0	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. Plastic and Reconstructive Surgery, 2019, 143, 1703-1711.	1.4	16
56	siRNA Nanoparticle Suppresses Drugâ€Resistant Gene and Prolongs Survival in an Orthotopic Glioblastoma Xenograft Mouse Model. Advanced Functional Materials, 2021, 31, 2007166.	14.9	16
57	Return to Play for Neurosurgical Patients. World Neurosurgery, 2014, 82, 485-491.	1.3	15
58	pH-Sensitive O6-Benzylguanosine Polymer Modified Magnetic Nanoparticles for Treatment of Glioblastomas. Bioconjugate Chemistry, 2017, 28, 194-202.	3.6	15
59	Surgical Versus Endovascular Management of Ruptured and Unruptured Intracranial Aneurysms: Emergent Issues and Future Directions. World Neurosurgery, 2020, 136, 17-27.	1.3	14
60	Pediatric functional hemispherectomy: operative techniques and complication avoidance. Neurosurgical Focus, 2020, 48, E9.	2.3	14
61	Concussion Advocacy and Legislation. Neurosurgery, 2014, 75, S122-S130.	1.1	13
62	Use of Clinical Prediction Rules for Guiding Use of Computed Tomography in Adults With Head Trauma. JAMA - Journal of the American Medical Association, 2015, 314, 2629.	7.4	13
63	Enhancing Concussion Management in the National Football League: Evolution and Initial Results of the Unaffiliated Neurotrauma Consultants Program, 2012-2017. Neurosurgery, 2020, 87, 312-319.	1.1	12
64	The Judicious Use of Stereotactic Radiosurgery and Hypofractionated Stereotactic Radiotherapy in the Management of Large Brain Metastases. Cancers, 2021, 13, 70.	3.7	12
65	Patterns of Failure After Stereotactic Radiosurgery for Recurrent High-Grade Glioma: A Single Institution Experience of 10 Years. Neurosurgery, 2019, 85, E322-E331.	1.1	9
66	United States Medicolegal Progress and Innovation in Telemedicine in the Age of COVID-19: A Primer for Neurosurgeons. Neurosurgery, 2021, 89, 364-371.	1.1	9
67	Towards use of MRI-guided ultrasound for treating cerebral vasospasm. Journal of Therapeutic Ultrasound, 2016, 4, 6.	2.2	7
68	Sport-Related Structural Brain Injury and Return to Play: Systematic Review and Expert Insight. Neurosurgery, 2021, 88, E495-E504.	1.1	6
69	Issues of consent and assent in pediatric neurosurgery. Child's Nervous System, 2021, 37, 33-37.	1.1	5
70	Pediatric hemispherectomy outcome: Adaptive functioning, intelligence, and memory. Epilepsy and Behavior, 2021, 124, 108298.	1.7	5
71	Duraplasty: A Procedure Not to Fear!. World Neurosurgery, 2011, 75, 224-225.	1.3	4
72	Assessing Clinical Care using Interactive Value Stream Mapping. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 1536-1540.	0.3	4

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73	Evaluating the Utility of Routine Computed Tomography Scans after Cranial Vault Reconstruction for Children with Craniosynostosis. Plastic and Reconstructive Surgery, 2021, 148, 63e-70e.	1.4	4
74	Evolution of Cranioorbital Shape in Nonsyndromic, Muenke, and Saethre-Chotzen Bilateral Coronal Synostosis: A Case-Control Study of 2-Year Outcomes. Plastic and Reconstructive Surgery, 2021, 147, 148-159.	1.4	4
75	Evaluating angioarchitectural characteristics of glial and metastatic brain tumors with conventional magnetic resonance imaging. Journal of Clinical Neuroscience, 2020, 76, 46-52.	1.5	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. Neurosurgical Focus, 2020, 49, E23.	2.3	3
78	Morphologic Differences in Sagittal Synostosis with Age before Surgery. Plastic and Reconstructive Surgery, 2022, 149, 1165e-1175e.	1.4	3
79	Sleep in patients with Chiari-I malformations. Sleep and Biological Rhythms, 2010, 8, 261-266.	1.0	2
80	Moyamoya Disease in a Patient with VACTERL Association. World Neurosurgery, 2016, 89, 729.e7-729.e10.	1.3	2
81	Commentary: Gamma Knife Radiosurgery for Multiple Sclerosis-Associated Trigeminal Neuralgia. Neurosurgery, 2019, 85, E941-E942.	1.1	2
82	Maintenance of Certification and the Platinum Rule. Mayo Clinic Proceedings, 2020, 95, 228-230.	3.0	2
83	Continuous improvement in patient safety and quality in neurological surgery: the American Board of Neurological Surgery in the past, present, and future. Journal of Neurosurgery, 2020, , 1-7.	1.6	2
84	Return to Play. Neurosurgery, 2015, 62, 1-7.	1.1	1
85	Atypical Presentation of Giant Aneurysm in Pediatric Patient with Duane Syndrome. World Neurosurgery, 2018, 116, 25-28.	1.3	1
86	Editorial: A new definition of postconcussive syndrome. Journal of Neurosurgery, 2016, 125, 1204-1205.	1.6	0
87	A Comparison of Subgaleal Versus Subperiosteal Dissection in Open Cranial Vault Expansion for Sagittal Craniosynostosis. World Neurosurgery, 2020, 143, 108-113.	1.3	0
88	Commentary: Stereotactic Radiosurgery for Intracranial Noncavernous Sinus Benign Meningioma: International Stereotactic Radiosurgery Society Systematic Review, Meta-Analysis and Practice Guideline. Neurosurgery, 2020, 87, E537-E538.	1.1	0
89	Commentary: A Crowdsourced Consensus on Supratotal Resection Versus Gross Total Resection for Anatomically Distinct Primary Glioblastoma. Neurosurgery, 2021, 89, E266.	1.1	0
90	2.The Failed Chiari/Syringomyelia Operation(Luncheon Seminar-2 Treatment of Syringomyelia,The) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Neurosurgery, 2006, 15, 347.	0.0	0

#	Article	IF	Citations
91	Concurrent decompression and resection versus decompression with delayed resection of acutely ruptured brain arteriovenous malformations. Journal of Neurosurgery, 2021, , 1-8.	1.6	0
92	In Reply: United States Medicolegal Progress and Innovation in Telemedicine in the Age of COVID-19: A Primer for Neurosurgeons. Neurosurgery, 2022, 90, e53-e53.	1.1	0