

# David R Raleigh

## List of Publications by Year in descending order

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91  
papers

4,988  
citations

117625

34  
h-index

98798

67  
g-index

95  
all docs

95  
docs citations

95  
times ranked

7144  
citing authors

#	ARTICLE	IF	CITATIONS
1	Adverse radiation effect and freedom from progression following repeat stereotactic radiosurgery for brain metastases. <i>Journal of Neurosurgery</i> , 2023, 138, 104-112.	1.6	8
2	Supervised machine learning algorithms demonstrate proliferation index correlates with long-term recurrence after complete resection of WHO grade I meningioma. <i>Journal of Neurosurgery</i> , 2023, 138, 86-94.	1.6	3
3	Sterol regulation of developmental and oncogenic Hedgehog signaling. <i>Biochemical Pharmacology</i> , 2022, 196, 114647.	4.4	11
4	A molecularly integrated grade for meningioma. <i>Neuro-Oncology</i> , 2022, 24, 796-808.	1.2	83
5	Meningioma DNA methylation groups identify biological drivers and therapeutic vulnerabilities. <i>Nature Genetics</i> , 2022, 54, 649-659.	21.4	93
6	CNPY4 inhibits the Hedgehog pathway by modulating membrane sterol lipids. <i>Nature Communications</i> , 2022, 13, 2407.	12.8	3
7	Targeted Next-Generation Sequencing Reveals Divergent Clonal Evolution in Components of Composite Pleomorphic Xanthoastrocytoma-Ganglioglioma. <i>Journal of Neuropathology and Experimental Neurology</i> , 2022, 81, 650-657.	1.7	5
8	Intratumor and informatic heterogeneity influence meningioma molecular classification. <i>Acta Neuropathologica</i> , 2022, 144, 579-583.	7.7	10
9	A Prognostic Gene-Expression Signature and Risk Score for Meningioma Recurrence After Resection. <i>Neurosurgery</i> , 2021, 88, 202-210.	1.1	19
10	Genetic Events and Signaling Mechanisms Underlying Schwann Cell Fate in Development and Cancer. <i>Neurosurgery</i> , 2021, 88, 234-245.	1.1	6
11	Letter: Patterns of Intermediate- and High-Risk Meningioma Recurrence After Treatment With Postoperative External Beam Radiotherapy. <i>Neurosurgery</i> , 2021, 89, E99-E101.	1.1	1
12	A single institution retrospective analysis on survival based on treatment paradigms for patients with anaplastic oligodendroglioma. <i>Journal of Neuro-Oncology</i> , 2021, 153, 447-454.	2.9	6
13	Efficacy and Safety of Stereotactic Radiosurgery for Brainstem Metastases. <i>JAMA Oncology</i> , 2021, 7, 1033.	7.1	16
14	Residents-as-Teachers Curriculum for Radiation Oncology: A Targeted Needs Assessment. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 638-642.	0.8	6
15	Mouse models of glioblastoma for the evaluation of novel therapeutic strategies. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab100.	0.7	47
16	Sterol and oxysterol synthases near the ciliary base activate the Hedgehog pathway. <i>Journal of Cell Biology</i> , 2021, 220, .	5.2	20
17	ATRX regulates glial identity and the tumor microenvironment in IDH-mutant glioma. <i>Genome Biology</i> , 2021, 22, 311.	8.8	25
18	Synthesis and Preliminary Biological Assessment of Carborane-Loaded Theranostic Nanoparticles to Target Prostate-Specific Membrane Antigen. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 54739-54752.	8.0	9

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19	Stereotactic Radiosurgery to More Than 10 Brain Metastases: Evidence to Support the Role of Radiosurgery for Ideal Hippocampal Sparing in the Treatment of Multiple Brain Metastases. <i>World Neurosurgery</i> , 2020, 135, e174-e180.	1.3	19
20	The Meningioma Enhancer Landscape Delineates Novel Subgroups and Drives Druggable Dependencies. <i>Cancer Discovery</i> , 2020, 10, 1722-1741.	9.4	30
21	Meningioma cells express primary cilia but do not transduce ciliary Hedgehog signals. <i>Acta Neuropathologica Communications</i> , 2020, 8, 114.	5.2	8
22	Stereotactic Body Radiation Therapy of Adrenal Metastases: A Pooled Meta-Analysis and Systematic Review of 39 Studies with 1006 Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 107, 48-61.	0.8	55
23	Multiplatform genomic profiling and magnetic resonance imaging identify mechanisms underlying intratumor heterogeneity in meningioma. <i>Nature Communications</i> , 2020, 11, 4803.	12.8	56
24	WHO Grade I Meningioma Recurrence: Identifying High Risk Patients Using Histopathological Features and the MIB-1 Index. <i>Frontiers in Oncology</i> , 2020, 10, 1522.	2.8	33
25	Stereotactic Body Radiotherapy for Adrenal Gland Metastases: A Pooled Meta-Analysis of 1006 Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, E19-E20.	0.8	1
26	Preclinical models of meningioma: Cell culture and animal systems. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2020, 169, 131-136.	1.8	6
27	DNA methylation profiling demonstrates superior diagnostic classification to RNA-sequencing in a case of metastatic meningioma. <i>Acta Neuropathologica Communications</i> , 2020, 8, 82.	5.2	10
28	Multiplatform Molecular Profiling Reveals Epigenomic Intratumor Heterogeneity in Ependymoma. <i>Cell Reports</i> , 2020, 30, 1300-1309.e5.	6.4	11
29	CRISPRi-based radiation modifier screen identifies long non-coding RNA therapeutic targets in glioma. <i>Genome Biology</i> , 2020, 21, 83.	8.8	76
30	Clinical Implications of Primary Cilia in Skin Cancer. <i>Dermatology and Therapy</i> , 2020, 10, 233-248.	3.0	8
31	Meningioma metastases: incidence and proposed screening paradigm. <i>Journal of Neurosurgery</i> , 2020, 132, 1447-1455.	1.6	41
32	Histopathologic findings in malignant peripheral nerve sheath tumor predict response to radiotherapy and overall survival. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa131.	0.7	6
33	Synthesis and Initial Biological Evaluation of Boron-Containing Prostate-Specific Membrane Antigen Ligands for Treatment of Prostate Cancer Using Boron Neutron Capture Therapy. <i>Molecular Pharmaceutics</i> , 2019, 16, 3831-3841.	4.6	36
34	Preoperative Dural Contact and Recurrence Risk After Surgical Cavity Stereotactic Radiosurgery for Brain Metastases: New Evidence in Support of Consensus Guidelines. <i>Advances in Radiation Oncology</i> , 2019, 4, 458-465.	1.2	14
35	RADI-21. STEREOTACTIC RADIOSURGERY FOR 10 OR MORE BRAIN METASTASES PROVIDES EXCELLENT RATES OF INTRACRANIAL DISEASE CONTROL WITH SUPERIOR HIPPOCAMPAL SPARING. <i>Neuro-Oncology Advances</i> , 2019, 1, i25-i26.	0.7	0
36	Recurrent non-canonical histone H3 mutations in spinal cord diffuse gliomas. <i>Acta Neuropathologica</i> , 2019, 138, 877-881.	7.7	21

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37	Integrated models incorporating radiologic and radiomic features predict meningioma grade, local failure, and overall survival. <i>Neuro-Oncology Advances</i> , 2019, 1, vdz011.	0.7	64
38	Advances in multidisciplinary therapy for meningiomas. <i>Neuro-Oncology</i> , 2019, 21, i18-i31.	1.2	102
39	DNA methylation profiling to predict recurrence risk in meningioma: development and validation of a nomogram to optimize clinical management. <i>Neuro-Oncology</i> , 2019, 21, 901-910.	1.2	184
40	Clinical, radiological, and histopathological predictors for long-term prognosis after surgery for atypical meningiomas. <i>Acta Neurochirurgica</i> , 2019, 161, 1647-1656.	1.7	21
41	Reirradiation of recurrent high-grade glioma and development of prognostic scores for progression and survival. <i>Neuro-Oncology Practice</i> , 2019, 6, 364-374.	1.6	16
42	Preoperative MR Imaging to Differentiate Chordoid Meningiomas from Other Meningioma Histologic Subtypes. <i>American Journal of Neuroradiology</i> , 2019, 40, 433-439.	2.4	8
43	Recurrent KBTBD4 small in-frame insertions and absence of DROSHA deletion or DICER1 mutation differentiate pineal parenchymal tumor of intermediate differentiation (PPTID) from pineoblastoma. <i>Acta Neuropathologica</i> , 2019, 137, 851-854.	7.7	45
44	Temozolomide Treatment Induces lncRNA MALAT1 in an NF- $\kappa$ B and p53 Codependent Manner in Glioblastoma. <i>Cancer Research</i> , 2019, 79, 2536-2548.	0.9	71
45	The impact of histopathology and NAB2-STAT6 fusion subtype in classification and grading of meningeal solitary fibrous tumor/hemangiopericytoma. <i>Acta Neuropathologica</i> , 2019, 137, 307-319.	7.7	44
46	Surgical outcomes after reoperation for recurrent skull base meningiomas. <i>Journal of Neurosurgery</i> , 2019, 130, 876-883.	1.6	38
47	Misactivation of Hedgehog signaling causes inherited and sporadic cancers. <i>Journal of Clinical Investigation</i> , 2019, 129, 465-475.	8.2	72
48	Salvage therapy outcomes for atypical meningioma. <i>Journal of Neuro-Oncology</i> , 2018, 138, 425-433.	2.9	25
49	How the Ciliary Membrane Is Organized Inside-Out to Communicate Outside-In. <i>Current Biology</i> , 2018, 28, R421-R434.	3.9	123
50	Petrous Face Meningiomas: Classification, Clinical Syndromes, and Surgical Outcomes. <i>World Neurosurgery</i> , 2018, 114, e1266-e1274.	1.3	17
51	Multiple myeloma and a mischievous pacemaker: A teaching case involving irradiation of a cardiovascular implantable electronic device. <i>Practical Radiation Oncology</i> , 2018, 8, 90-94.	2.1	0
52	Presenting Symptoms and Prognostic Factors for Symptomatic Outcomes Following Resection of Meningioma. <i>World Neurosurgery</i> , 2018, 111, e149-e159.	1.3	37
53	Comprehensive Molecular Profiling Identifies FOXM1 as a Key Transcription Factor for Meningioma Proliferation. <i>Cell Reports</i> , 2018, 22, 3672-3683.	6.4	95
54	Preoperative and postoperative prediction of long-term meningioma outcomes. <i>PLoS ONE</i> , 2018, 13, e0204161.	2.5	31

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55	Cilia-Associated Oxysterols Activate Smoothed. <i>Molecular Cell</i> , 2018, 72, 316-327.e5.	9.7	100
56	Machine learning algorithms for outcome prediction in (chemo)radiotherapy: An empirical comparison of classifiers. <i>Medical Physics</i> , 2018, 45, 3449-3459.	3.0	214
57	Clinical Applications of Quantitative 3-Dimensional MRI Analysis for Pediatric Embryonal Brain Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 102, 744-756.	0.8	10
58	Histopathological features predictive of local control of atypical meningioma after surgery and adjuvant radiotherapy. <i>Journal of Neurosurgery</i> , 2018, 130, 1-8.	1.6	54
59	Resection Cavity Contraction Effects in the Use of Radioactive Sources (1-25 versus Cs-131) for Intra-Operative Brain Implants. <i>Cureus</i> , 2018, 10, e2079.	0.5	12
60	Targeted next-generation sequencing of pediatric neuro-oncology patients improves diagnosis, identifies pathogenic germline mutations, and directs targeted therapy. <i>Neuro-Oncology</i> , 2017, 19, now254.	1.2	155
61	Surgical Resection and Interstitial Iodine-125 Brachytherapy for High-Grade Meningiomas: A 25-Year Series. <i>Neurosurgery</i> , 2017, 80, 409-416.	1.1	27
62	Histopathologic review of pineal parenchymal tumors identifies novel morphologic subtypes and prognostic factors for outcome. <i>Neuro-Oncology</i> , 2017, 19, 78-88.	1.2	51
63	Pediatric high-grade glioma: current molecular landscape and therapeutic approaches. <i>Journal of Neuro-Oncology</i> , 2017, 134, 541-549.	2.9	109
64	(P102) Survival After Chemotherapy and Stem Cell Transplant Followed by Delayed Craniospinal Irradiation Is Comparable to Upfront Craniospinal Irradiation in Pediatric Embryonal Brain Tumor Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, E43.	0.8	0
65	Survival after chemotherapy and stem cell transplant followed by delayed craniospinal irradiation is comparable to upfront craniospinal irradiation in pediatric embryonal brain tumor patients. <i>Journal of Neuro-Oncology</i> , 2017, 131, 359-368.	2.9	13
66	Educational Impact of a Structured Radiation Oncology Clerkship Curriculum: An Interinstitutional Comparison. <i>Journal of the American College of Radiology</i> , 2017, 14, 96-102.	1.8	15
67	Management of Chordoma and Chondrosarcoma with Fractionated Stereotactic Radiotherapy. <i>Frontiers in Surgery</i> , 2017, 4, 35.	1.4	20
68	Case-based review: pediatric medulloblastoma. <i>Neuro-Oncology Practice</i> , 2017, 4, 138-150.	1.6	22
69	Hedgehog signaling drives medulloblastoma growth via CDK6. <i>Journal of Clinical Investigation</i> , 2017, 128, 120-124.	8.2	55
70	(P021) Central Nervous System Edema, Brain Invasion and Prior Radiotherapy Are Negative Predictive Factors for Symptomatic Improvement Following Surgery for Meningioma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, E21.	0.8	0
71	Parameters influencing local control of meningiomas treated with radiosurgery. <i>Journal of Neuro-Oncology</i> , 2016, 128, 357-364.	2.9	30
72	Meningiomas With Rhabdoid Features Lacking Other Histologic Features of Malignancy: A Study of 44 Cases and Review of the Literature. <i>Journal of Neuropathology and Experimental Neurology</i> , 2016, 75, 44-52.	1.7	63

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73	Gold fiducial marker tracking to optimize radiotherapy for organ-preserving treatment of muscle-invasive bladder cancer. <i>Journal of Radiation Oncology</i> , 2015, 4, 283-290.	0.7	1
74	Patient- and treatment-specific predictors of genitourinary function after high-dose-rate monotherapy for favorable prostate cancer. <i>Brachytherapy</i> , 2015, 14, 795-800.	0.5	12
75	Bladder wall recurrence of prostate cancer after high-dose-rate brachytherapy. <i>Brachytherapy</i> , 2015, 14, 185-188.	0.5	4
76	S-phase-dependent p50/NF- $\kappa$ B1 phosphorylation in response to ATR and replication stress acts to maintain genomic stability. <i>Cell Cycle</i> , 2015, 14, 566-576.	2.6	14
77	Somatostatin receptor 2a is a more sensitive diagnostic marker of meningioma than epithelial membrane antigen. <i>Acta Neuropathologica</i> , 2015, 130, 441-443.	7.7	100
78	The Management of Central Neurocytoma. <i>Neurosurgery Clinics of North America</i> , 2015, 26, 45-56.	1.7	16
79	Non-Muscle Myosin IIa Heavy Chain Links Squamous-Cell Carcinoma of the Head and Neck to the DNA Damage Response. <i>Frontiers in Oncology</i> , 2014, 4, 228.	2.8	1
80	Toward an Improved Understanding of the Ionizing Radiation Induced DNA Damage/Response Networks in Human Malignancies. <i>Frontiers in Oncology</i> , 2014, 4, 335.	2.8	0
81	A National Radiation Oncology Medical Student Clerkship Survey: Didactic Curricular Components Increase Confidence in Clinical Competency. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 88, 51-56.	0.8	34
82	Radiation Oncology Fourth-Year Medical Student Clerkships: A Targeted Needs Assessment. <i>International Journal of Radiation Oncology Biology Physics</i> , 2013, 85, 296-297.	0.8	13
83	Molecular targets and mechanisms of radiosensitization using DNA damage response pathways. <i>Future Oncology</i> , 2013, 9, 219-233.	2.4	62
84	DNA damage-induced cytotoxicity is mediated by the cooperative interaction of phospho-NF- $\kappa$ B p50 and a single nucleotide in the I $\kappa$ B-site. <i>Nucleic Acids Research</i> , 2013, 41, 764-774.	14.5	153
85	Tight Junction Pore and Leak Pathways: A Dynamic Duo. <i>Annual Review of Physiology</i> , 2011, 73, 283-309.	13.1	720
86	p50 (NF- $\kappa$ B1) Is an Effector Protein in the Cytotoxic Response to DNA Methylation Damage. <i>Molecular Cell</i> , 2011, 44, 785-796.	9.7	49
87	Occludin S408 phosphorylation regulates tight junction protein interactions and barrier function. <i>Journal of Cell Biology</i> , 2011, 193, 565-582.	5.2	210
88	MLCK-dependent exchange and actin binding region-dependent anchoring of ZO-1 regulate tight junction barrier function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8237-8241.	7.1	218
89	Epithelial Myosin Light Chain Kinase Activation Induces Mucosal Interleukin-13 Expression to Alter Tight Junction Ion Selectivity. <i>Journal of Biological Chemistry</i> , 2010, 285, 12037-12046.	3.4	227
90	Caveolin-1-dependent occludin endocytosis is required for TNF-induced tight junction regulation in vivo. <i>Journal of Cell Biology</i> , 2010, 189, 111-126.	5.2	390

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91	Pediatric Pineoblastoma: A pooled outcome study of North American and Australian therapeutic data. Neuro-Oncology Advances, 0, , .	0.7	6