

Michael D Chan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10445729/publications.pdf>

Version: 2024-02-01

116
papers

4,145
citations

126907

33
h-index

128289

60
g-index

117
all docs

117
docs citations

117
times ranked

4750
citing authors

#	ARTICLE	IF	CITATIONS
1	Brain metastasis prognostic nomograms and brain metastasis velocity: a narrative review. Chinese Clinical Oncology, 2022, 11, 10-10.	1.2	1
2	Local control outcomes for combination of stereotactic radiosurgery and immunotherapy for non-small cell lung cancer brain metastases. Journal of Neuro-Oncology, 2022, 157, 101-107.	2.9	19
3	Virtual Radiation Oncology Peer Review is Associated With Decreased Engagement and Limited Case Discussion: Analysis of a Prospective Database Before and During the COVID-19 Pandemic. International Journal of Radiation Oncology Biology Physics, 2022, 113, 727-731.	0.8	4
4	Approach to a patient with brain metastasis. , 2021, , 186-196.		0
5	Comprehensive and Computable Molecular Diagnostic Panel (C2Dx) From Small Volume Specimens for Precision Oncology: Molecular Subtyping of Non-Small Cell Lung Cancer From Fine Needle Aspirates. Frontiers in Oncology, 2021, 11, 584896.	2.8	3
6	Results of a third Gamma Knife radiosurgery for trigeminal neuralgia. Journal of Neurosurgery, 2021, 134, 1237-1243.	1.6	7
7	TrkA Interacts with and Phosphorylates STAT3 to Enhance Gene Transcription and Promote Breast Cancer Stem Cells in Triple-Negative and HER2-Enriched Breast Cancers. Cancers, 2021, 13, 2340.	3.7	5
8	Clinical assessment of a biophysical model for distinguishing tumor progression from radiation necrosis. Medical Physics, 2021, 48, 3852-3859.	3.0	7
9	Abstract 1979: JAK2/STAT3 and TrkA pathways are frequently co-activated in triple-negative and HER2-enriched breast cancers and the co-activation correlates with an increased potential of metastasis. , 2021, , .		0
10	Multiparametric radiomic tissue signature and machine learning for distinguishing radiation necrosis from tumor progression after stereotactic radiosurgery. Neuro-Oncology Advances, 2021, 3, v150.	0.7	8
11	Multi-institutional validation of brain metastasis velocity, a recently defined predictor of outcomes following stereotactic radiosurgery. Radiotherapy and Oncology, 2020, 142, 168-174.	0.6	29
12	DCGAN: Pseudoprogession and true tumor progression of glioblastoma multiforme image classification based on DCGAN and AlexNet. Medical Physics, 2020, 47, 1139-1150.	3.0	35
13	Impact of brain metastasis velocity on neurologic death for brain metastasis patients experiencing distant brain failure after initial stereotactic radiosurgery. Journal of Neuro-Oncology, 2020, 146, 285-292.	2.9	11
14	The IMPACT of Molecular Grading of Gliomas on Contemporary Clinical Practice. International Journal of Radiation Oncology Biology Physics, 2020, 107, 859-862.	0.8	1
15	In Reply to the Letter to the Editor Regarding "Stereotactic Radiosurgery for Atypical and Anaplastic Meningiomas". World Neurosurgery, 2020, 144, 325.	1.3	2
16	Stereotactic Radiosurgery for Atypical and Anaplastic Meningiomas. World Neurosurgery, 2020, 144, e53-e61.	1.3	15
17	Evaluation of First-line Radiosurgery vs Whole-Brain Radiotherapy for Small Cell Lung Cancer Brain Metastases. JAMA Oncology, 2020, 6, 1028.	7.1	122
18	Predictors of Adverse Radiation Effect in Brain Metastasis Patients Treated With Stereotactic Radiosurgery and Immune Checkpoint Inhibitor Therapy. International Journal of Radiation Oncology Biology Physics, 2020, 108, 295-303.	0.8	20

#	ARTICLE	IF	CITATIONS
19	Multi-Omics Analysis of Brain Metastasis Outcomes Following Craniotomy. <i>Frontiers in Oncology</i> , 2020, 10, 615472.	2.8	29
20	Successful application of stereotactic radiosurgery for multiply recurrent Rathke's cleft cysts. <i>Journal of Neurosurgery</i> , 2020, 132, 832-836.	1.6	2
21	CD138 plasma cells may predict brain metastasis recurrence following resection and stereotactic radiosurgery. <i>Scientific Reports</i> , 2019, 9, 14385.	3.3	4
22	Management of Unruptured AVMs: The Pendulum Swings. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, 687-689.	0.8	3
23	Limited-Stage Small Cell Lung Cancer: Is Prophylactic Cranial Irradiation Necessary?. <i>Practical Radiation Oncology</i> , 2019, 9, e599-e607.	2.1	21
24	Gamma Knife Radiosurgery for Multiple Sclerosis-Associated Trigeminal Neuralgia. <i>Neurosurgery</i> , 2019, 85, E933-E939.	1.1	13
25	Ca ²⁺ and CACNA1H mediate targeted suppression of breast cancer brain metastasis by AM RF EMF. <i>EBioMedicine</i> , 2019, 44, 194-208.	6.1	45
26	Initial SRS for Patients With 5 to 15 Brain Metastases: Results of a Multi-Institutional Experience. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 1091-1098.	0.8	89
27	Clinical Outcomes of Upfront Stereotactic Radiosurgery Alone for Patients With 5 to 15 Brain Metastases. <i>Neurosurgery</i> , 2019, 85, 257-263.	1.1	19
28	Immunotherapy is associated with improved survival and decreased neurologic death after SRS for brain metastases from lung and melanoma primaries. <i>Neuro-Oncology Practice</i> , 2019, 6, 402-409.	1.6	43
29	Identification of CD37, cystatin A, and IL-23A gene expression in association with brain metastasis: analysis of a prospective trial. <i>International Journal of Biological Markers</i> , 2019, 34, 90-97.	1.8	10
30	Treatment of Radiation-Induced Cognitive Decline in Adult Brain Tumor Patients. <i>Current Treatment Options in Oncology</i> , 2019, 20, 42.	3.0	31
31	Gamma Knife Stereotactic Radiosurgery favorably changes the clinical course of hemangioblastoma growth in von Hippel-Lindau and sporadic patients. <i>Journal of Neuro-Oncology</i> , 2019, 142, 471-478.	2.9	11
32	Does Stereotactic Radiosurgery Have a Role in the Management of Patients Presenting With 4 or More Brain Metastases?. <i>Neurosurgery</i> , 2019, 84, 558-566.	1.1	36
33	Safety of pioglitazone during and after radiation therapy in patients with brain tumors: a phase I clinical trial. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 337-344.	2.5	12
34	Mild cognitive impairment in long-term brain tumor survivors following brain irradiation. <i>Journal of Neuro-Oncology</i> , 2019, 141, 235-244.	2.9	25
35	Analysis of the drivers of cost of management when patients with brain metastases are treated with upfront radiosurgery. <i>Clinical Neurology and Neurosurgery</i> , 2019, 176, 10-14.	1.4	5
36	MRI evaluation of the effects of whole brain radiotherapy on breast cancer brain metastasis. <i>International Journal of Radiation Biology</i> , 2019, 95, 338-346.	1.8	20

#	ARTICLE	IF	CITATIONS
37	Gamma Knife radiosurgery for bilateral trigeminal neuralgia. <i>Journal of Neurosurgery</i> , 2019, 131, 1591-1598.	1.6	2
38	Truncated Glioma-Associated Oncogene Homolog 1 (tGLI1) Mediates Mesenchymal Glioblastoma via Transcriptional Activation of CD44. <i>Cancer Research</i> , 2018, 78, 2589-2600.	0.9	26
39	Staged Stereotactic Radiosurgery for Large Brain Metastases: Local Control and Clinical Outcomes of a One-Two Punch Technique. <i>Neurosurgery</i> , 2018, 83, 114-121.	1.1	48
40	The number of prior lines of systemic therapy as a prognostic factor for patients with brain metastases treated with stereotactic radiosurgery: Results of a large single institution retrospective analysis. <i>Clinical Neurology and Neurosurgery</i> , 2018, 165, 24-28.	1.4	3
41	The Future Is Now—Prospective Study of Radiosurgery for More Than 4 Brain Metastases to Start in 2018!. <i>Frontiers in Oncology</i> , 2018, 8, 380.	2.8	13
42	Surgical resection and postoperative radiosurgery versus staged radiosurgery for large brain metastases. <i>Journal of Neuro-Oncology</i> , 2018, 140, 749-756.	2.9	27
43	Atypical Meningioma: An Evolving Landscape and Moving Target. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 499-502.	0.8	1
44	Proton Therapy for Brain Metastases: A Question of Value. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 830-832.	0.8	8
45	Loss of XIST in Breast Cancer Activates MSN-c-Met and Reprograms Microglia via Exosomal miRNA to Promote Brain Metastasis. <i>Cancer Research</i> , 2018, 78, 4316-4330.	0.9	233
46	Initial brain metastasis velocity: does the rate at which cancers first seed the brain affect outcomes?. <i>Journal of Neuro-Oncology</i> , 2018, 139, 461-467.	2.9	19
47	Glioblastoma radiomics: can genomic and molecular characteristics correlate with imaging response patterns?. <i>Neuroradiology</i> , 2018, 60, 1043-1051.	2.2	15
48	Gamma Knife Stereotactic Radiosurgery for the Treatment of Brain Metastases from Primary Tumors of the Urinary Bladder. <i>Stereotactic and Functional Neurosurgery</i> , 2018, 96, 108-112.	1.5	0
49	Community socioeconomic status to identify higher-risk patients with malignant glioma.. <i>Journal of Clinical Oncology</i> , 2018, 36, 2060-2060.	1.6	0
50	Discovery of a predictive protein biomarker for leptomeningeal disease after craniotomy and radiation.. <i>Journal of Clinical Oncology</i> , 2018, 36, 2068-2068.	1.6	1
51	Impact of diabetes mellitus on outcomes in patients with brain metastasis treated with stereotactic radiosurgery. <i>Journal of Radiosurgery and SBRT</i> , 2018, 5, 285-291.	0.2	0
52	Potential prognostic markers for survival and neurologic death in patients with breast cancer brain metastases who receive upfront SRS alone. <i>Journal of Radiosurgery and SBRT</i> , 2018, 5, 277-283.	0.2	5
53	Emerging Indications for Fractionated Gamma Knife Radiosurgery. <i>Neurosurgery</i> , 2017, 80, 210-216.	1.1	65
54	Gamma Knife radiosurgery for brain metastases from gastrointestinal primary. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2017, 61, 522-527.	1.8	6

#	ARTICLE	IF	CITATIONS
55	Brain Metastasis Velocity: A Novel Prognostic Metric Predictive of Overall Survival and Freedom From Whole-Brain Radiation Therapy After Distant Brain Failure Following Upfront Radiosurgery Alone. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, 131-141.	0.8	91
56	The Effects of smoking status and smoking history on patients with brain metastases from lung cancer. <i>Cancer Medicine</i> , 2017, 6, 944-952.	2.8	21
57	Leptomeningeal failure in patients with breast cancer receiving stereotactic radiosurgery for brain metastases. <i>Journal of Clinical Neuroscience</i> , 2017, 43, 6-10.	1.5	8
58	Stereotactic Radiosurgical Treatment of Glomus Jugulare Tumors. <i>Otology and Neurotology</i> , 2017, 38, 555-562.	1.3	24
59	Hippocampal dose volume histogram predicts Hopkins Verbal Learning Test scores after brain irradiation. <i>Advances in Radiation Oncology</i> , 2017, 2, 624-629.	1.2	28
60	Early or late radiotherapy following gross or subtotal resection for atypical meningiomas: Clinical outcomes and local control. <i>Journal of Clinical Neuroscience</i> , 2017, 46, 90-98.	1.5	28
61	Prediction of new brain metastases after radiosurgery: validation and analysis of performance of a multi-institutional nomogram. <i>Journal of Neuro-Oncology</i> , 2017, 135, 403-411.	2.9	30
62	Repeat stereotactic radiosurgery as salvage therapy for locally recurrent brain metastases previously treated with radiosurgery. <i>Journal of Neurosurgery</i> , 2017, 127, 148-156.	1.6	80
63	Sociodemographic predictors of patients with brain metastases treated with stereotactic radiosurgery. <i>Oncotarget</i> , 2017, 8, 101005-101011.	1.8	12
64	Impact of radiosurgical management of geriatric patients with brain metastases: Clinical and quality of life outcomes. <i>Journal of Radiosurgery and SBRT</i> , 2017, 5, 35-42.	0.2	2
65	Stereotactic radiosurgery in the treatment of brain metastases from gynecologic primary cancer. <i>Journal of Radiosurgery and SBRT</i> , 2017, 5, 55-61.	0.2	2
66	Treatment of brain metastases of lung cancer in the era of precision medicine. <i>Frontiers in Bioscience - Elite</i> , 2016, 8, 219-232.	1.8	9
67	Recent advances in radiosurgical management of brain metastases. <i>Frontiers in Bioscience - Scholar</i> , 2016, 8, 203-214.	2.1	17
68	A Phase II Clinical Trial of CPI-613 in Patients with Relapsed or Refractory Small Cell Lung Carcinoma. <i>PLoS ONE</i> , 2016, 11, e0164244.	2.5	43
69	Activation of the c-Met Pathway Mobilizes an Inflammatory Network in the Brain Microenvironment to Promote Brain Metastasis of Breast Cancer. <i>Cancer Research</i> , 2016, 76, 4970-4980.	0.9	102
70	Stratification of pseudoprogression and true progression of glioblastoma multiform based on longitudinal diffusion tensor imaging without segmentation. <i>Medical Physics</i> , 2016, 43, 5889-5902.	3.0	29
71	Pseudo progression identification of glioblastoma with dictionary learning. <i>Computers in Biology and Medicine</i> , 2016, 73, 94-101.	7.0	12
72	Predictors of neurologic and nonneurologic death in patients with brain metastasis initially treated with upfront stereotactic radiosurgery without whole-brain radiation therapy. <i>Neuro-Oncology</i> , 2016, 19, now184.	1.2	44

#	ARTICLE	IF	CITATIONS
73	Benign Brain Tumors. , 2016, , 483-501.e5.		2
74	Impact of timing of radiotherapy in patients with newly diagnosed glioblastoma. Clinical Neurology and Neurosurgery, 2016, 151, 73-78.	1.4	18
75	Identification of biomarkers for pseudo and true progression of GBM based on radiogenomics study. Oncotarget, 2016, 7, 55377-55394.	1.8	29
76	Predictors of trigeminal nerve dysfunction following stereotactic radiosurgery for trigeminal neuralgia. Journal of Radiosurgery and SBRT, 2016, 4, 117-123.	0.2	0
77	Local control of brain metastases after stereotactic radiosurgery: the impact of whole brain radiotherapy and treatment paradigm. Journal of Radiosurgery and SBRT, 2016, 4, 89-96.	0.2	5
78	Repeat Radiosurgery for Trigeminal Neuralgia. Neurosurgery, 2015, 77, 755-761.	1.1	33
79	Phase II double-blind placebo-controlled randomized study of armodafinil for brain radiation-induced fatigue. Neuro-Oncology, 2015, 17, 1393-1401.	1.2	62
80	Competing Risk Analysis of Neurologic versus Nonneurologic Death in Patients Undergoing Radiosurgical Salvage After Whole-Brain Radiation Therapy Failure: Who Actually Dies of Their Brain Metastases?. International Journal of Radiation Oncology Biology Physics, 2015, 92, 1008-1015.	0.8	60
81	Tumor resection with carmustine wafer placement as salvage therapy after local failure of radiosurgery for brain metastasis. Journal of Clinical Neuroscience, 2015, 22, 561-565.	1.5	31
82	Genomic predictors of patterns of progression in glioblastoma and possible influences on radiation field design. Journal of Neuro-Oncology, 2015, 124, 447-453.	2.9	9
83	Induction of Robust Type-I CD8+ T-cell Responses in WHO Grade 2 Low-Grade Glioma Patients Receiving Peptide-Based Vaccines in Combination with Poly-ICLC. Clinical Cancer Research, 2015, 21, 286-294.	7.0	92
84	Donepezil for Irradiated Brain Tumor Survivors: A Phase III Randomized Placebo-Controlled Clinical Trial. Journal of Clinical Oncology, 2015, 33, 1653-1659.	1.6	210
85	Gamma Knife radiosurgery for meningiomas in patients with neurofibromatosis Type 2. Journal of Neurosurgery, 2015, 122, 536-542.	1.6	25
86	Recent Technical Advances and Indications for Radiation Therapy in Low-Grade Glioma. Seminars in Radiation Oncology, 2015, 25, 189-196.	2.2	9
87	Roles of the Cyclooxygenase 2 Matrix Metalloproteinase 1 Pathway in Brain Metastasis of Breast Cancer. Journal of Biological Chemistry, 2015, 290, 9842-9854.	3.4	109
88	Impact of systemic targeted agents on the clinical outcomes of patients with brain metastases. Oncotarget, 2015, 6, 18945-18955.	1.8	57
89	Factors that determine local control with gamma knife radiosurgery: The role of primary histology. Journal of Radiosurgery and SBRT, 2015, 3, 281-286.	0.2	7
90	Risk factors for leptomeningeal carcinomatosis in patients with brain metastases who have previously undergone stereotactic radiosurgery. Journal of Neuro-Oncology, 2014, 120, 163-169.	2.9	55

#	ARTICLE	IF	CITATIONS
91	Clinical and economic outcomes of patients with brain metastases based on symptoms: An argument for routine brain screening of those treated with upfront radiosurgery. <i>Cancer</i> , 2014, 120, 433-441.	4.1	70
92	Is There a Tumor Volume Threshold for Postradiosurgical Symptoms? A Single-Institution Analysis. <i>Neurosurgery</i> , 2014, 75, 536-545.	1.1	25
93	A nomogram for predicting distant brain failure in patients treated with gamma knife stereotactic radiosurgery without whole brain radiotherapy. <i>Neuro-Oncology</i> , 2014, 16, 1283-1288.	1.2	81
94	Taste and smell disturbances after brain irradiation: A dose-volume histogram analysis of a prospective observational study. <i>Practical Radiation Oncology</i> , 2014, 4, 130-135.	2.1	16
95	Predictive Nomogram for the Durability of Pain Relief From Gamma Knife Radiation Surgery in the Treatment of Trigeminal Neuralgia. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 89, 120-126.	0.8	49
96	Predictors of Survival, Neurologic Death, Local Failure, and Distant Failure After Gamma Knife Radiosurgery for Melanoma Brain Metastases. <i>World Neurosurgery</i> , 2014, 82, 1250-1255.	1.3	45
97	Single-Institution Retrospective Series of Gamma Knife Radiosurgery in the Treatment of Multiple Sclerosis-Related Trigeminal Neuralgia: Factors that Predict Efficacy. <i>Stereotactic and Functional Neurosurgery</i> , 2014, 92, 53-58.	1.5	33
98	Cavernous sinus metastases treated with gamma knife stereotactic radiosurgery. <i>Journal of Radiosurgery and SBRT</i> , 2014, 3, 131-137.	0.2	1
99	Radiosurgical Management of Trigeminal Neuralgia. <i>Neurosurgery Clinics of North America</i> , 2013, 24, 613-621.	1.7	14
100	Patterns of recurrence after stereotactic radiosurgery for treatment of meningiomas. <i>Neurosurgical Focus</i> , 2013, 35, E14.	2.3	27
101	Tumor Histology Predicts Patterns of Failure and Survival in Patients With Brain Metastases From Lung Cancer Treated With Gamma Knife Radiosurgery. <i>Neurosurgery</i> , 2013, 73, 641-647.	1.1	42
102	Radiation-induced brain injury: A review. <i>Frontiers in Oncology</i> , 2012, 2, 73.	2.8	501
103	The effect of targeted agents on outcomes in patients with brain metastases from renal cell carcinoma treated with Gamma Knife surgery. <i>Journal of Neurosurgery</i> , 2012, 116, 978-983.	1.6	81
104	The Role of Surgery, Radiosurgery and Whole Brain Radiation Therapy in the Management of Patients with Metastatic Brain Tumors. <i>International Journal of Surgical Oncology</i> , 2012, 2012, 1-10.	0.6	37
105	Predictive Variables for the Successful Treatment of Trigeminal Neuralgia With Gamma Knife Radiosurgery. <i>Neurosurgery</i> , 2012, 70, 566-573.	1.1	76
106	CT-only planning for Gamma Knife radiosurgery in the treatment of trigeminal neuralgia: Methodology and outcomes from a single institution. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2012, 56, 490-494.	1.8	13
107	Breast cancer subtype affects patterns of failure of brain metastases after treatment with stereotactic radiosurgery. <i>Journal of Neuro-Oncology</i> , 2012, 110, 381-388.	2.9	48
108	Chronic Administration of the Angiotensin-Converting Enzyme Inhibitor, Ramipril, Prevents Fractionated Whole-Brain Irradiation-Induced Perirhinal Cortex-Dependent Cognitive Impairment. <i>Radiation Research</i> , 2012, 178, 46.	1.5	73

#	ARTICLE	IF	CITATIONS
109	Gamma Knife Stereotactic Radiosurgery for Radiation-Induced Meningiomas. Stereotactic and Functional Neurosurgery, 2012, 90, 365-369.	1.5	15
110	Clinical outcomes of brain metastases treated with <sc>G</sc>amma <sc>K</sc>nife radiosurgery with 3.0â€‰%<sc>T</sc> versus 1.5â€‰%<sc>T MRI</sc>â€b-based treatment planning: Have we finally optimised detection of occult brain metastases?. Journal of Medical Imaging and Radiation Oncology, 2012, 56, 554-560.	1.8	15
111	Patterns of failure after treatment of atypical meningioma with gamma knife radiosurgery. Journal of Neuro-Oncology, 2012, 108, 179-185.	2.9	79
112	Repeat Gamma Knife Radiosurgery for Trigeminal Neuralgia. International Journal of Radiation Oncology Biology Physics, 2011, 81, 1059-1065.	0.8	47
113	Cavity-directed radiosurgery as adjuvant therapy after resection of a brain metastasis. Journal of Neurosurgery, 2011, 114, 1585-1591.	1.6	156
114	Analysis of visual toxicity after gamma knife radiosurgery for treatment of choroidal melanoma: identification of multiple targets and mechanisms of toxicity. American Journal of Clinical Oncology: Cancer Clinical Trials, 2011, 34, 517-23.	1.3	5
115	Use of 3.0-T MRI for Stereotactic Radiosurgery Planning forÂTreatment of Brain Metastases: A Single-Institution Retrospective Review. International Journal of Radiation Oncology Biology Physics, 2010, 78, 1142-1146.	0.8	21
116	Clinical Outcomes of Dose Escalated Re-Irradiation in Patients with Recurrent High Grade Glioma. Neuro-Oncology Practice, 0, , .	1.6	1