Pascal O Zinn

List of Publications by Year
in descending order

66 papers	2,614 citations	218677 26 h-index	189892 50 g-index
68 all docs	68 docs citations	68 times ranked	4644 citing authors

#	Article	IF	Citations
1	MR Imaging Predictors of Molecular Profile and Survival: Multi-institutional Study of the TCGA Glioblastoma Data Set. Radiology, 2013, 267, 560-569.	7.3	362
2	Radiogenomic Mapping of Edema/Cellular Invasion MRI-Phenotypes in Glioblastoma Multiforme. PLoS ONE, 2011, 6, e25451.	2.5	239
3	A comparison of wild-caught wood mice and bank voles in the Intellicage: assessing exploration, daily activity patterns and place learning paradigms. Behavioural Brain Research, 2005, 157, 211-217.	2.2	143
4	Multicenter study demonstrates radiomic features derived from magnetic resonance perfusion images identify pseudoprogression in glioblastoma. Nature Communications, 2019, 10, 3170.	12.8	113
5	Addition of MR imaging features and genetic biomarkers strengthens glioblastoma survival prediction in TCGA patients. Journal of Neuroradiology, 2015, 42, 212-221.	1.1	109
6	Neurosurgical applications of MRI guided laser interstitial thermal therapy (LITT). Cancer Imaging, 2019, 19, 65.	2.8	105
7	miR-218 opposes a critical RTK-HIF pathway in mesenchymal glioblastoma. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 291-296.	7.1	101
8	A Novel Volume-Age-KPS (VAK) Glioblastoma Classification Identifies a Prognostic Cognate microRNA-Gene Signature. PLoS ONE, 2012, 7, e41522.	2.5	82
9	Multicenter imaging outcomes study of The Cancer Genome Atlas glioblastoma patient cohort: imaging predictors of overall and progression-free survival. Neuro-Oncology, 2015, 17, 1525-1537.	1.2	75
10	Learning MRI-based classification models for MGMT methylation status prediction in glioblastoma. Computer Methods and Programs in Biomedicine, 2017, 140, 249-257.	4.7	75
11	A Coclinical Radiogenomic Validation Study: Conserved Magnetic Resonance Radiomic Appearance of Periostin-Expressing Glioblastoma in Patients and Xenograft Models. Clinical Cancer Research, 2018, 24, 6288-6299.	7.0	74
12	Radiomics in Brain Tumors. Magnetic Resonance Imaging Clinics of North America, 2016, 24, 719-729.	1.1	73
13	REST Regulates Oncogenic Properties of Glioblastoma Stem Cells. Stem Cells, 2012, 30, 405-414.	3.2	67
14	Extent of resection and radiotherapy in GBM: A 1973 to 2007 surveillance, epidemiology and end results analysis of 21,783 patients. International Journal of Oncology, 2013, 42, 929-934.	3.3	65
15	Glioblastoma: Imaging Genomic Mapping Reveals Sex-specific Oncogenic Associations of Cell Death. Radiology, 2015, 275, 215-227.	7.3	64
16	Telemedicine for preoperative assessment during a COVID-19 pandemic: Recommendations for clinical care. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2020, 34, 345-351.	4.0	60
17	Targeting EGFR Induced Oxidative Stress by PARP1 Inhibition in Glioblastoma Therapy. PLoS ONE, 2010, 5, e10767.	2.5	59
18	Mir-21â€“Sox2 Axis Delineates Glioblastoma Subtypes with Prognostic Impact. Journal of Neuroscience, 2015, 35, 15097-15112.	3.6	53

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19	Chitinase-3-like 1 protein complexes modulate macrophage-mediated immune suppression in glioblastoma. Journal of Clinical Investigation, 2021, 131, .	8.2	49
20	A combinatorial radiographic phenotype may stratify patient survival and be associated with invasion and proliferation characteristics in glioblastoma. Journal of Neurosurgery, 2016, 124, 1008-1017.	1.6	40
21	Imaging Genomics ofÂGlioblastoma. Neuroimaging Clinics of North America, 2015, 25, 141-153.	1.0	37
22	Coordination of self-renewal in glioblastoma by integration of adhesion and microRNA signaling. Neuro-Oncology, 2016, 18, 656-666.	1.2	37
23	Radiomics analysis for predicting pembrolizumab response in patients with advanced rare cancers. , 2021, 9, e001752.		34
24	Neurosurgical education in Europe and the United States of America. Neurosurgical Review, 2010, 33, 409-417.	2.4	32
25	Radiomic Phenotyping in Brain Cancer to Unravel Hidden Information in Medical Images. Topics in Magnetic Resonance Imaging, 2017, 26, 43-53.	1.2	32
26	Patient and treatment factors associated with survival among pediatric glioblastoma patients: A Surveillance, Epidemiology, and End Results study. Journal of Clinical Neuroscience, 2018, 47, 285-293.	1.5	32
27	Distinct Radiomic Phenotypes Define Glioblastoma TP53-PTEN-EGFR Mutational Landscape. Neurosurgery, 2017, 64, 203-210.	1.1	29
28	A Functional Screen Identifies miRs That Induce Radioresistance in Glioblastomas. Molecular Cancer Research, 2014, 12, 1767-1778.	3.4	28
29	A Dexamethasone-regulated Gene Signature Is Prognostic for Poor Survival in Glioblastoma Patients. Journal of Neurosurgical Anesthesiology, 2017, 29, 46-58.	1.2	28
30	Radiomic Texture Analysis Mapping Predicts Areas of True Functional MRI Activity. Scientific Reports, 2016, 6, 25295.	3.3	26
31	Multi-center study finds postoperative residual non-enhancing component of glioblastoma as a new determinant of patient outcome. Journal of Neuro-Oncology, 2018, 139, 125-133.	2.9	26
32	Spinal Epidermoid Tumors: Case Report and Review of the Literature. Neurospine, 2018, 15, 117-122.	2.9	26
33	Magnetic resonance imaging appearance and changes on intracavitary Gliadel wafer placement: A pilot study. World Journal of Radiology, 2011, 3, 266.	1.1	24
34	Imaging Genomics in Gliomas. Cancer Journal (Sudbury, Mass), 2015, 21, 225-234.	2.0	22
35	Dexamethasone-mediated oncogenicity in vitro and in an animal model of glioblastoma. Journal of Neurosurgery, 2018, 129, 1446-1455.	1.6	22
36	MRI-Based Radiomics and Radiogenomics in the Management of Low-Grade Gliomas: Evaluating the Evidence for a Paradigm Shift. Journal of Clinical Medicine, 2021, 10, 1411.	2.4	21

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37	Upregulation of Fanconi Anemia DNA Repair Genes in Melanoma Compared with Non-Melanoma Skin Cancer. Journal of Investigative Dermatology, 2011, 131, 2139-2142.	0.7	18
38	Imaging Genomics of Glioblastoma. Topics in Magnetic Resonance Imaging, 2015, 24, 155-163.	1.2	14
39	139â€ƒClinically Applicable and Biologically Validated MRI Radiomic Test Method Predicts Glioblastoma Genomic Landscape and Survival. Neurosurgery, 2016, 63, 156-157.	1.1	14
40	Shedding Light on the 2016 World Health Organization Classification of Tumors of the Central Nervous System in the Era of Radiomics and Radiogenomics. Magnetic Resonance Imaging Clinics of North America, 2016, 24, 741-749.	1.1	13
41	The Subventricular Zone in Glioblastoma: Genesis, Maintenance, and Modeling. Frontiers in Oncology, 2022, 12, 790976.	2.8	11
42	A contemporary update on glioblastoma: molecular biology, current management, and a vision towards bio-adaptable personalized care. Journal of Neuro-Oncology, 2021, 151, 103-112.	2.9	10
43	Silent Sentence Completion Shows Superiority Localizing Wernickeâ€™s Area and Activation Patterns of Distinct Language Paradigms Correlate with Genomics: Prospective Study. Scientific Reports, 2017, 7, 12054.	3.3	9
44	Radiomic analysis of pseudo-progression compared to true progression in glioblastoma patients: A large-scale multi-institutional study.. Journal of Clinical Oncology, 2017, 35, 2015-2015.	1.6	9
45	Diffusion Weighted Magnetic Resonance Imaging Radiophenotypes and Associated Molecular Pathways in Glioblastoma. Neurosurgery, 2016, 63, 127-135.	1.1	8
46	Optimizing Clinical Staffing in Times of a Pandemic Crisis Such as COVID-19. Anesthesia and Analgesia, 2020, 131, e45-e47.	2.2	7
47	A Novel 5-Aminolevulinic Acid-Enabled Surgical Loupe Systemâ€”A Consecutive Brain Tumor Series of 11 Cases. Operative Neurosurgery, 2022, 22, 298-304.	0.8	7
48	Multicenter study to demonstrate radiomic texture features derived from MR perfusion images of pseudoprogression compared to true progression in glioblastoma patients.. Journal of Clinical Oncology, 2017, 35, 2016-2016.	1.6	4
49	Failure of a Torkildsen shunt after functioning for 50 years. Journal of Neurosurgery, 2010, 112, 796-799.	1.6	3
50	The Evolving Role of Induced Pluripotent Stem Cells and Cerebral Organoids in Treating and Modeling Neurosurgical Diseases. World Neurosurgery, 2021, 155, 171-179.	1.3	3
51	History of atopy confers improved outcomes in IDH mutant and wildtype lower grade gliomas. Journal of Neuro-Oncology, 2021, 155, 133-141.	2.9	3
52	Letter: Glioblastoma Cell of Origin. Stem Cell Reviews and Reports, 2022, 18, 691-693.	3.8	3
53	Shedding light on glioblastoma cellular heterogeneity. Neuro-Oncology, 2015, 17, 327-8.	1.2	2
54	334â€ƒA Functional Screen Identifies miRNAs that Induce Radioresistance in Glioblastomas. Neurosurgery, 2016, 63, 197-198.	1.1	2

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55	From K-space to Nucleotide. Topics in Magnetic Resonance Imaging, 2017, 26, 33-41.	1.2	2
56	Magnetic Resonance-Based Radiomic Analysis of Radiofrequency Lesion Predicts Outcomes After Percutaneous Cordotomy: A Feasibility Study. Operative Neurosurgery, 2020, 18, 721-727.	0.8	2
57	Toxoplasma encephalitis presenting as neoplastic disease: A single institution case series. Interdisciplinary Neurosurgery: Advanced Techniques and Case Management, 2021, 25, 101174.	0.3	2
58	Subfrontal Infrachiasmatic Approach to a Craniopharyngioma Resection: 2-Dimensional Operative Video. Operative Neurosurgery, 2019, 17, E114-E114.	0.8	1
59	Headlight and loupe-based fluorescein detection system in brain tumor surgery; a firstin-human experience. Journal of Neurosurgical Sciences, 2021, , .	0.6	1
60	A unique MRI-based radiomic signature predicts hypermutated glioma genotype.. Journal of Clinical Oncology, 2018, 36, 2022-2022.	1.6	1
61	188â€ƒRadiogenomic Mapping of MRI-FLAIR-Phenotypes Identifies a Novel Gene-microRNA Regulatory Axis to Target Glioblastoma Invasion. Neurosurgery, 2012, 71, E573.	1.1	0
62	ANGI-16. EARLY DETECTION OF TUMOR CELL PROLIFERATION IS ASSOCIATED WITH A UNIQUE RADIOMIC BIOMARKER IN PRECLINICAL GLIOBLASTOMA XENOGRAFT AND PATIENTS. Neuro-Oncology, 2018, 20, vi31-vi31.	1.2	0
63	Commentary: A Primer on Human Brain Organoids for the Neurosurgeon. Neurosurgery, 2020, 87, E443-E444.	1.1	0
64	Anesthesia-Related Oncological Outcomes: Beyond Volatiles and Total Intravenous Anesthesia. Anesthesia and Analgesia, 2021, 132, e119-e120.	2.2	0
65	Author response to Cunha et al. , 2021, 9, e003299.		0
66	T7-T11 Posterior Decompression and Instrumented Fusion, T9 Partial Corpectomy, and Intradural Microsurgical Diskectomy: An Operative Video. World Neurosurgery, 2022, 158, 113.	1.3	0