

Roshan A Karunamuni

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

960
citations

516561

16
h-index

501076

28
g-index

42
all docs

42
docs citations

42
times ranked

1529
citing authors

#	ARTICLE	IF	CITATIONS
1	Polygenic hazard score to guide screening for aggressive prostate cancer: development and validation in large scale cohorts. <i>BMJ: British Medical Journal</i> , 2018, 360, j5757.	2.4	153
2	Dose-dependent white matter damage after brain radiotherapy. <i>Radiotherapy and Oncology</i> , 2016, 121, 209-216.	0.3	98
3	Dose-Dependent Cortical Thinning After Partial Brain Irradiation in High-Grade Glioma. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 297-304.	0.4	95
4	Regional susceptibility to dose-dependent white matter damage after brain radiotherapy. <i>Radiotherapy and Oncology</i> , 2017, 123, 209-217.	0.3	92
5	Polygenic hazard score is associated with prostate cancer in multi-ethnic populations. <i>Nature Communications</i> , 2021, 12, 1236.	5.8	40
6	Identifying early diffusion imaging biomarkers of regional white matter injury as indicators of executive function decline following brain radiotherapy: A prospective clinical trial in primary brain tumor patients. <i>Radiotherapy and Oncology</i> , 2019, 132, 27-33.	0.3	36
7	Dose-dependent atrophy of the amygdala after radiotherapy. <i>Radiotherapy and Oncology</i> , 2019, 136, 44-49.	0.3	32
8	A Genetic Risk Score to Personalize Prostate Cancer Screening, Applied to Population Data. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020, 29, 1731-1738.	1.1	27
9	Microstructural Injury to Corpus Callosum and Intrahemispheric White Matter Tracts Correlate With Attention and Processing Speed Decline After Brain Radiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 337-347.	0.4	27
10	Molecular classification of patients with grade II/III glioma using quantitative MRI characteristics. <i>Journal of Neuro-Oncology</i> , 2018, 139, 633-642.	1.4	26
11	Age dependence of modern clinical risk groups for localized prostate cancer—A population-based study. <i>Cancer</i> , 2020, 126, 1691-1699.	2.0	25
12	Radiation sparing of cerebral cortex in brain tumor patients using quantitative neuroimaging. <i>Radiotherapy and Oncology</i> , 2016, 118, 29-34.	0.3	24
13	African-specific improvement of a polygenic hazard score for age at diagnosis of prostate cancer. <i>International Journal of Cancer</i> , 2021, 148, 99-105.	2.3	24
14	Longitudinal Analysis of Depression and Anxiety Symptoms as Independent Predictors of Neurocognitive Function in Primary Brain Tumor Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 1229-1239.	0.4	21
15	[¹⁸ F]Fluoro-2-deoxy-2-d -glucose versus [¹⁸ F]fluorothymidine for defining hematopoietically active pelvic bone marrow in gynecologic patients. <i>Radiotherapy and Oncology</i> , 2016, 118, 72-78.	0.3	18
16	$\int_{\text{plan optimization for cortical-sparing brain radiotherapy.}}$ <i>Radiotherapy and Oncology</i> , 2018, 127, 128-135.	0.3	18
17	Edge Contrast of the FLAIR Hyperintense Region Predicts Survival in Patients with High-Grade Gliomas following Treatment with Bevacizumab. <i>American Journal of Neuroradiology</i> , 2018, 39, 1017-1024.	1.2	17
18	Microstructural Injury to Left-Sided Perisylvian White Matter Predicts Language Decline After Brain Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 108, 1218-1228.	0.4	16

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19	Additional SNPs improve risk stratification of a polygenic hazard score for prostate cancer. <i>Prostate Cancer and Prostatic Diseases</i> , 2021, 24, 532-541.	2.0	16
20	The effect of sample size on polygenic hazard models for prostate cancer. <i>European Journal of Human Genetics</i> , 2020, 28, 1467-1475.	1.4	14
21	Prostate cancer risk stratification improvement across multiple ancestries with new polygenic hazard score. <i>Prostate Cancer and Prostatic Diseases</i> , 2022, 25, 755-761.	2.0	14
22	Genetic Stratification of Age-Dependent Parkinson's Disease Risk by Polygenic Hazard Score. <i>Movement Disorders</i> , 2022, 37, 62-69.	2.2	13
23	Abnormalities in hippocampal volume of glioma patients prior to radiotherapy. <i>Acta Oncologica</i> , 2017, 56, 427-430.	0.8	11
24	Relationship between kurtosis and bi-exponential characterization of high b-value diffusion-weighted imaging: application to prostate cancer. <i>Acta Radiologica</i> , 2018, 59, 1523-1529.	0.5	11
25	Common genetic and clinical risk factors: association with fatal prostate cancer in the Cohort of Swedish Men. <i>Prostate Cancer and Prostatic Diseases</i> , 2021, 24, 845-851.	2.0	11
26	Longitudinal change in fine motor skills after brain radiotherapy and in vivo imaging biomarkers associated with decline. <i>Neuro-Oncology</i> , 2021, 23, 1393-1403.	0.6	10
27	Multi-component diffusion characterization of radiation-induced white matter damage. <i>Medical Physics</i> , 2017, 44, 1747-1754.	1.6	9
28	Restriction Spectrum Imaging Improves Risk Stratification in Patients with Glioblastoma. <i>American Journal of Neuroradiology</i> , 2017, 38, 882-889.	1.2	9
29	Performance of African-ancestry-specific polygenic hazard score varies according to local ancestry in 8q24. <i>Prostate Cancer and Prostatic Diseases</i> , 2022, 25, 229-237.	2.0	9
30	Analyses of regional radiosensitivity of white matter structures along tract axes using novel white matter segmentation and diffusion imaging biomarkers. <i>Physics and Imaging in Radiation Oncology</i> , 2018, 6, 39-46.	1.2	8
31	Multi-domain neurocognitive classification of primary brain tumor patients prior to radiotherapy on a prospective clinical trial. <i>Journal of Neuro-Oncology</i> , 2020, 146, 131-138.	1.4	7
32	Automated segmentation of multiparametric magnetic resonance images for cerebral AVM radiosurgery planning: a deep learning approach. <i>Scientific Reports</i> , 2022, 12, 786.	1.6	7
33	Quality of Life Is Independently Associated With Neurocognitive Function in Patients With Brain Tumors: Analysis of a Prospective Clinical Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 111, 754-763.	0.4	6
34	Correcting B0 inhomogeneity-induced distortions in whole-body diffusion MRI of bone. <i>Scientific Reports</i> , 2022, 12, 265.	1.6	5
35	Improved characterization of cerebral infarction using combined tissue T2 and high b-value diffusion MRI in post-thrombectomy patients: a feasibility study. <i>Acta Radiologica</i> , 2019, 60, 1294-1300.	0.5	2