Roshan A Karunamuni

List of Publications by Year
in descending order

35	960	516561 16	501076 28
papers	citations	h-index	g-index

42	42	42	1529
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performance of African-ancestry-specific polygenic hazard score varies according to local ancestry in 8q24. Prostate Cancer and Prostatic Diseases, 2022, 25, 229-237.	2.0	9
2	Genetic Stratification of Ageâ€Dependent Parkinson's Disease Risk by Polygenic Hazard Score. Movement Disorders, 2022, 37, 62-69.	2.2	13
3	Correcting B0 inhomogeneity-induced distortions in whole-body diffusion MRI of bone. Scientific Reports, 2022, 12, 265.	1.6	5
4	Automated segmentation of multiparametric magnetic resonance images for cerebral AVM radiosurgery planning: a deep learning approach. Scientific Reports, 2022, 12, 786.	1.6	7
5	Prostate cancer risk stratification improvement across multiple ancestries with new polygenic hazard score. Prostate Cancer and Prostatic Diseases, 2022, 25, 755-761.	2.0	14
6	Africanâ€specific improvement of a polygenic hazard score for age at diagnosis of prostate cancer. International Journal of Cancer, 2021, 148, 99-105.	2.3	24
7	Additional SNPs improve risk stratification of a polygenic hazard score for prostate cancer. Prostate Cancer and Prostatic Diseases, 2021, 24, 532-541.	2.0	16
8	Polygenic hazard score is associated with prostate cancer in multi-ethnic populations. Nature Communications, 2021, 12, 1236.	5.8	40
9	Longitudinal change in fine motor skills after brain radiotherapy and in vivo imaging biomarkers associated with decline. Neuro-Oncology, 2021, 23, 1393-1403.	0.6	10
10	Common genetic and clinical risk factors: association with fatal prostate cancer in the Cohort of Swedish Men. Prostate Cancer and Prostatic Diseases, 2021, 24, 845-851.	2.0	11
11	Microstructural Injury to Corpus Callosum and Intrahemispheric White Matter Tracts Correlate With Attention and Processing Speed Decline After Brain Radiation. International Journal of Radiation Oncology Biology Physics, 2021, 110, 337-347.	0.4	27
12	Quality of Life Is Independently Associated With Neurocognitive Function in Patients With Brain Tumors: Analysis of a Prospective Clinical Trial. International Journal of Radiation Oncology Biology Physics, 2021, 111, 754-763.	0.4	6
13	Multi-domain neurocognitive classification of primary brain tumor patients prior to radiotherapy on a prospective clinical trial. Journal of Neuro-Oncology, 2020, 146, 131-138.	1.4	7
14	Age dependence of modern clinical risk groups for localized prostate cancerâ€”A populationâ€based study. Cancer, 2020, 126, 1691-1699.	2.0	25
15	Microstructural Injury to Left-Sided Perisylvian White Matter Predicts Language Decline After Brain Radiation Therapy. International Journal of Radiation Oncology Biology Physics, 2020, 108, 1218-1228.	0.4	16
16	Longitudinal Analysis of Depression and Anxiety Symptoms as Independent Predictors of Neurocognitive Function in Primary Brain Tumor Patients. International Journal of Radiation Oncology Biology Physics, 2020, 108, 1229-1239.	0.4	21
17	The effect of sample size on polygenic hazard models for prostate cancer. European Journal of Human Genetics, 2020, 28, 1467-1475.	1.4	14
18	A Genetic Risk Score to Personalize Prostate Cancer Screening, Applied to Population Data. Cancer Epidemiology Biomarkers and Prevention, 2020, 29, 1731-1738.	1.1	27

#	Article	IF	Citations
19	Dose-dependent atrophy of the amygdala after radiotherapy. Radiotherapy and Oncology, 2019, 136, 44-49.	0.3	32
20	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. Radiotherapy and Oncology, 2019, 132, 27-33.	0.3	36
21	Improved characterization of cerebral infarction using combined tissue T2 and high b-value diffusion MRI in post-thrombectomy patients: a feasibility study. Acta Radiologica, 2019, 60, 1294-1300.	0.5	2
22	4<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi>Ï€</mml:mi></mml:mrow></mml:math> plan optimization for cortical-sparing brain radiotherapy. Radiotherapy and Oncology, 2018, 127, 128-135.	0.3	18
23	Edge Contrast of the FLAIR Hyperintense Region Predicts Survival in Patients with High-Grade Gliomas following Treatment with Bevacizumab. American Journal of Neuroradiology, 2018, 39, 1017-1024.	1.2	17
24	Polygenic hazard score to guide screening for aggressive prostate cancer: development and validation in large scale cohorts. BMJ: British Medical Journal, 2018, 360, j5757.	2.4	153
25	Analyses of regional radiosensitivity of white matter structures along tract axes using novel white matter segmentation and diffusion imaging biomarkers. Physics and Imaging in Radiation Oncology, 2018, 6, 39-46.	1.2	8
26	Molecular classification of patients with grade II/III glioma using quantitative MRI characteristics. Journal of Neuro-Oncology, 2018, 139, 633-642.	1.4	26
27	Relationship between kurtosis and bi-exponential characterization of high b-value diffusion-weighted imaging: application to prostate cancer. Acta Radiologica, 2018, 59, 1523-1529.	0.5	11
28	Multiâ€component diffusion characterization of radiationâ€induced white matter damage. Medical Physics, 2017, 44, 1747-1754.	1.6	9
29	Restriction Spectrum Imaging Improves Risk Stratification in Patients with Glioblastoma. American Journal of Neuroradiology, 2017, 38, 882-889.	1.2	9
30	Abnormalities in hippocampal volume of glioma patients prior to radiotherapy. Acta OncolÃ³gica, 2017, 56, 427-430.	0.8	11
31	Regional susceptibility to dose-dependent white matter damage after brain radiotherapy. Radiotherapy and Oncology, 2017, 123, 209-217.	0.3	92
32	Dose-dependent white matter damage after brain radiotherapy. Radiotherapy and Oncology, 2016, 121, 209-216.	0.3	98
33	Radiation sparing of cerebral cortex in brain tumor patients using quantitative neuroimaging. Radiotherapy and Oncology, 2016, 118, 29-34.	0.3	24
34	[18 F]Fluoro-2-deoxy-2- d -glucose versus 3â€²-deoxy-3â€²-[18 F]fluorothymidine for defining hematopoietically active pelvic bone marrow in gynecologic patients. Radiotherapy and Oncology, 2016, 118, 72-78.	0.3	18
35	Dose-Dependent Cortical Thinning After Partial Brain Irradiation in High-Grade Glioma. International Journal of Radiation Oncology Biology Physics, 2016, 94, 297-304.	0.4	95