

# Virendra Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

3,434  
citations

361413

20  
h-index

289244

40  
g-index

50  
all docs

50  
docs citations

50  
times ranked

5376  
citing authors

#	ARTICLE	IF	CITATIONS
1	IVIM and DKI for differentiation between prostate cancer and benign prostatic hyperplasia: comparison of 1.5T vs. 3T MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2022, 35, 609-620.	2.0	7
2	Untargeted metabolomics-based response analysis of temperature and insecticide exposure in <i>Aedes aegypti</i> . <i>Scientific Reports</i> , 2022, 12, 2066.	3.3	3
3	Differentiation between sepsis survivors and sepsis non-survivors through blood serum metabolomics: A proton nuclear magnetic resonance spectroscopy (NMR) study. <i>Magnetic Resonance Imaging</i> , 2022, 89, 49-57.	1.8	5
4	Triphasic DeepBRCA-A Deep Learning-Based Framework for Identification of Biomarkers for Breast Cancer Stratification. <i>IEEE Access</i> , 2021, 9, 103347-103364.	4.2	9
5	Cognitive Performance and Neuro-Metabolites in HIV Using 3T Magnetic Resonance Spectroscopy: A Cross-Sectional Study from India. <i>Current HIV Research</i> , 2021, 19, 147-153.	0.5	0
6	Characterisation of prostate cancer using texture analysis for diagnostic and prognostic monitoring. <i>NMR in Biomedicine</i> , 2021, 34, e4495.	2.8	3
7	Segmentation of prostate zones using probabilistic atlas-based method with diffusion-weighted MR images. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 196, 105572.	4.7	8
8	Impact of ageing on the brain regions of the schizophrenia patients: an fMRI study using evolutionary approach. <i>Multimedia Tools and Applications</i> , 2020, 79, 24757-24779.	3.9	14
9	Identification of changes in grey matter volume using an evolutionary approach: an MRI study of schizophrenia. <i>Multimedia Systems</i> , 2020, 26, 383-396.	4.7	13
10	Hydatid cyst of gall bladder masquerading as carcinoma: A rare case report with review of literature. <i>Intractable and Rare Diseases Research</i> , 2019, 8, 36-42.	0.9	1
11	Delineating metabolic dysfunction in cellular metabolism of oral submucous fibrosis using 1H nuclear magnetic resonance spectroscopy. <i>Archives of Oral Biology</i> , 2019, 97, 102-108.	1.8	4
12	Identification of brain regions associated with working memory deficit in schizophrenia. <i>Frontiers in Research</i> , 2019, 8, 124.	1.6	24
13	Multiparametric (mp) MRI of prostate cancer. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2018, 105, 23-40.	7.5	29
14	Hepatic and Systemic Effect of Non-Alcoholic Fatty Liver Disease Severity in Obese and Non-Obese Indian Patients. <i>Integrative Gastroenterology and Hepatology</i> , 2018, 1, 81-91.	0.0	0
15	Case control study: magnetic resonance spectroscopy of brain in HIV infected patients. <i>BMC Neurology</i> , 2016, 16, 99.	1.8	20
16	Predicting Outcomes of Nonsmall Cell Lung Cancer Using CT Image Features. <i>IEEE Access</i> , 2014, 2, 1418-1426.	4.2	104
17	Test-Retest Reproducibility Analysis of Lung CT Image Features. <i>Journal of Digital Imaging</i> , 2014, 27, 805-823.	2.9	216
18	Reproducibility and Prognosis of Quantitative Features Extracted from CT Images. <i>Translational Oncology</i> , 2014, 7, 72-87.	3.7	258

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19	High-resolution NMR spectroscopy of human body fluids and tissues in relation to prostate cancer. NMR in Biomedicine, 2014, 27, 80-89.	2.8	47
20	Automated delineation of lung tumors from CT images using a single click ensemble segmentation approach. Pattern Recognition, 2013, 46, 692-702.	8.1	138
21	Variance of SUVs for FDG-PET/CT is Greater in Clinical Practice Than Under Ideal Study Settings. Clinical Nuclear Medicine, 2013, 38, 175-182.	1.3	64
22	Chronic Autophagy Is a Cellular Adaptation to Tumor Acidic pH Microenvironments. Cancer Research, 2012, 72, 3938-3947.	0.9	224
23	Radiomics: the process and the challenges. Magnetic Resonance Imaging, 2012, 30, 1234-1248.	1.8	1,675
24	Prebiopsy magnetic resonance spectroscopy and imaging in the diagnosis of prostate cancer. International Journal of Urology, 2012, 19, 602-613.	1.0	33
25	Promise and pitfalls of quantitative imaging in oncology clinical trials. Magnetic Resonance Imaging, 2012, 30, 1301-1312.	1.8	83
26	In vivo magnetic resonance spectroscopy of cancer. Biomedical Spectroscopy and Imaging, 2012, 1, 89-100.	1.2	4
27	A positive magnetic resonance spectroscopic imaging with negative initial biopsy may predict future detection of prostate cancer. Indian Journal of Urology, 2012, 28, 243.	0.6	2
28	Developing a classifier model for lung tumors in CT-scan images. , 2011, , .		25
29	Abstract 1254: Altered lipid and glucose metabolism is a cellular adaptation to tumor acidic microenvironments. , 2011, , .		0
30	Abstract ED01-02: Imaging radiomics in cancer detection. , 2011, , .		0
31	Molecular and Functional Imaging of Breast Cancer. Cancer Control, 2010, 17, 143-155.	1.8	38
32	Potential of <sup>1</sup> H MR spectroscopic imaging to segregate patients who are likely to show malignancy of the peripheral zone of the prostate on biopsy. Journal of Magnetic Resonance Imaging, 2009, 30, 842-848.	3.4	23
33	Magnetic resonance spectroscopic imaging: current status in the management of prostate cancer. BJU International, 2009, 103, 1614-1620.	2.5	10
34	Proton magnetic resonance spectroscopy and biochemical investigation of type 2 diabetes mellitus in Asian Indians: observation of high muscle lipids and C-reactive protein levels. Magnetic Resonance Imaging, 2009, 27, 94-100.	1.8	21
35	Proton magnetic resonance spectroscopy of brain to study the cerebral metabolic abnormalities in COPD patients: a case control study in north India. The Indian Journal of Chest Diseases & Allied Sciences, 2009, 51, 15-9.	0.1	7
36	Role of magnetic resonance methods in the evaluation of prostate cancer: an Indian perspective. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2008, 21, 393-407.	2.0	15

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37	Evaluation of the role of magnetization transfer imaging in prostate: a preliminary study. <i>Magnetic Resonance Imaging</i> , 2008, 26, 644-649.	1.8	16
38	Potential of Magnetic Resonance Spectroscopic Imaging in Predicting Absence of Prostate Cancer in Men With Serum Prostate-Specific Antigen Between 4 and 10 ng/mL: A Follow-up Study. <i>Urology</i> , 2008, 72, 859-863.	1.0	57
39	Transrectal ultrasound-guided biopsy of prostate voxels identified as suspicious of malignancy on three-dimensional <sup>1</sup> H MR spectroscopic imaging in patients with abnormal digital rectal examination or raised prostate specific antigen level of 4 to 10 ng/ml. <i>NMR in Biomedicine</i> , 2007, 20, 11-20.	2.8	50
40	Apparent diffusion coefficient of the prostate in men prior to biopsy: determination of a cut-off value to predict malignancy of the peripheral zone. <i>NMR in Biomedicine</i> , 2007, 20, 505-511.	2.8	62
41	In vivo <sup>31</sup> P MRS study of skeletal muscle metabolism in patients with postpolio residual paralysis. <i>Magnetic Resonance Imaging</i> , 2007, 25, 244-249.	1.8	9
42	In vivo proton magnetic resonance spectroscopic (PMRS) evaluation: Emerging tool to solve the diagnostic dilemma in soft tissue sarcoma management. <i>Journal of Clinical Oncology</i> , 2007, 25, 10020-10020.	1.6	0
43	Correlation between metabolite ratios and ADC values of prostate in men with increased PSA level. <i>Magnetic Resonance Imaging</i> , 2006, 24, 541-548.	1.8	65
44	1500: Magnetic Resonance Spectroscopic Imaging can Improve Prostate Cancer Detection Rates of Transrectal Ultrasound Guided Biopsy in Men with Serum Prostate Specific Antigen Less than 10 NG/ML. <i>Journal of Urology</i> , 2006, 175, 484-484.	0.4	0
45	Contribution of investigations to the diagnosis of bilateral vas aplasia. <i>ANZ Journal of Surgery</i> , 2005, 75, 807-809.	0.7	10
46	Subclinical inflammation and soleus muscle intramyocellular lipids in healthy Asian Indian males. <i>Clinical Endocrinology</i> , 2005, 63, 350-355.	2.4	19
47	Proton magnetic resonance spectroscopy and single photon emission computed tomography study of the brain in asymptomatic young hyperlipidaemic Asian Indians in North India show early abnormalities. <i>Clinical Endocrinology</i> , 2004, 61, 182-189.	2.4	14
48	Pulmonary Function, Respiratory Muscle Strength, Anthropometry and Magnetic Resonance Spectroscopy Study of Brain in COPD Asian Indians in North Indi. <i>Chest</i> , 2003, 124, 168S.	0.8	3