Virendra Kumar

List of Publications by Year
in descending order

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	Radiomics: the process and the challenges. Magnetic Resonance Imaging, 2012, 30, 1234-1248.	1.8	1,675
2	Reproducibility and Prognosis of Quantitative Features Extracted from CT Images. Translational Oncology, 2014, 7, 72-87.	3.7	258
3	Chronic Autophagy Is a Cellular Adaptation to Tumor Acidic pH Microenvironments. Cancer Research, 2012, 72, 3938-3947.	0.9	224
4	Testâ€"Retest Reproducibility Analysis of Lung CT Image Features. Journal of Digital Imaging, 2014, 27, 805-823.	2.9	216
5	Automated delineation of lung tumors from CT images using a single click ensemble segmentation approach. Pattern Recognition, 2013, 46, 692-702.	8.1	138
6	Predicting Outcomes of Nonsmall Cell Lung Cancer Using CT Image Features. IEEE Access, 2014, 2, 1418-1426.	4.2	104
7	Promise and pitfalls of quantitative imaging in oncology clinical trials. Magnetic Resonance Imaging, 2012, 30, 1301-1312.	1.8	83
8	Correlation between metabolite ratios and ADC values of prostate in men with increased PSA level. Magnetic Resonance Imaging, 2006, 24, 541-548.	1.8	65
9	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
10	Apparent diffusion coefficient of the prostate in men prior to biopsy: determination of a cut-off value to predict malignancy of the peripheral zone. NMR in Biomedicine, 2007, 20, 505-511.	2.8	62
11	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. Urology, 2008, 72, 859-863.	1.0	57
12	Transrectal ultrasound-guided biopsy of prostate voxels identified as suspicious of malignancy on three-dimensional1H MR spectroscopic imaging in patients with abnormal digital rectal examination or raised prostate specific antigen level of 4â€"10 ng/ml. NMR in Biomedicine, 2007, 20, 11-20.	2.8	50
13	Highâ€resolution NMR spectroscopy of human body fluids and tissues in relation to prostate cancer. NMR in Biomedicine, 2014, 27, 80-89.	2.8	47
14	Molecular and Functional Imaging of Breast Cancer. Cancer Control, 2010, 17, 143-155.	1.8	38
15	Prebiopsy magnetic resonance spectroscopy and imaging in the diagnosis of prostate cancer. International Journal of Urology, 2012, 19, 602-613.	1.0	33
16	Multiparametric (mp) MRI of prostate cancer. Progress in Nuclear Magnetic Resonance Spectroscopy, 2018, 105, 23-40.	7.5	29
17	Developing a classifier model for lung tumors in CT-scan images. , 2011, , .		25
18	Identification of brain regions associated with working memory deficit in schizophrenia. F1000Research, 2019, 8, 124.	1.6	24

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19	Potential of ^{1}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
20	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
21	Case control study: magnetic resonance spectroscopy of brain in HIV infected patients. BMC Neurology, 2016, 16, 99.	1.8	20
22	Subclinical inflammation and soleus muscle intramyocellular lipids in healthy Asian Indian males. Clinical Endocrinology, 2005, 63, 350-355.	2.4	19
23	Evaluation of the role of magnetization transfer imaging in prostate: a preliminary study. Magnetic Resonance Imaging, 2008, 26, 644-649.	1.8	16
24	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
25	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. Clinical Endocrinology, 2004, 61, 182-189.	2.4	14
26	Impact of ageing on the brain regions of the schizophrenia patients: an fMRI study using evolutionary approach. Multimedia Tools and Applications, 2020, 79, 24757-24779.	3.9	14
27	Identification of changes in grey matter volume using an evolutionary approach: an MRI study of schizophrenia. Multimedia Systems, 2020, 26, 383-396.	4.7	13
28	Contribution of investigations to the diagnosis of bilateral vas aplasia. ANZ Journal of Surgery, 2005, 75, 807-809.	0.7	10
29	Magnetic resonance spectroscopic imaging: current status in the management of prostate cancer. BJU International, 2009, 103, 1614-1620.	2.5	10
30	In vivo 31P MRS study of skeletal muscle metabolism in patients with postpolio residual paralysis. Magnetic Resonance Imaging, 2007, 25, 244-249.	1.8	9
31	Triphasic DeepBRCA-A Deep Learning-Based Framework for Identification of Biomarkers for Breast Cancer Stratification. IEEE Access, 2021, 9, 103347-103364.	4.2	9
32	Segmentation of prostate zones using probabilistic atlas-based method with diffusion-weighted MR images. Computer Methods and Programs in Biomedicine, 2020, 196, 105572.	4.7	8
33	IVIMâ€"DKIÂfor differentiation between prostate cancer and benign prostatic hyperplasia: comparison of 1.5ÂT vs. 3ÂT MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 609-620.	2.0	7
34	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
35	Differentiation between sepsis survivors and sepsis non-survivors through blood serum metabolomics: A proton nuclear magnetic resonance spectroscopy (NMR) study. Magnetic Resonance Imaging, 2022, 89, 49-57.	1.8	5
36	In vivo magnetic resonance spectroscopy of cancer. Biomedical Spectroscopy and Imaging, 2012, 1, 89-100.	1.2	4

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37	Delineating metabolic dysfunction in cellular metabolism of oral submucous fibrosis using 1H nuclear magnetic resonance spectroscopy. Archives of Oral Biology, 2019, 97, 102-108.	1.8	4
38	Characterisation of prostate cancer using texture analysis for diagnostic and prognostic monitoring. NMR in Biomedicine, 2021, 34, e4495.	2.8	3
39	Pulmonary Function, Respiratory Muscle Strength, Anthropometry and Magnetic Resonance Spectroscopy Study of Brain in COPD Asian Indians in North Indi. Chest, 2003, 124, 168S.	0.8	3
40	Untargeted metabolomics-based response analysis of temperature and insecticide exposure in Aedes aegypti. Scientific Reports, 2022, 12, 2066.	3.3	3
41	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
42	Hydatid cyst of gall bladder masquerading as carcinoma: A rare case report with review of literature. Intractable and Rare Diseases Research, 2019, 8, 36-42.	0.9	1
43	Cognitive Performance and Neuro-Metabolites in HIV Using 3T Magnetic Resonance Spectroscopy: A Cross-Sectional Study from India. Current HIV Research, 2021, 19, 147-153.	0.5	0
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. Journal of Urology, 2006, 175, 484-484.	0.4	0
45	In vivo proton magnetic resonance spectroscopic (PMRS) evaluation: Emerging tool to solve the diagnostic dilemma in soft tissue sarcoma management. Journal of Clinical Oncology, 2007, 25, 10020-10020.	1.6	0
46	Abstract 1254: Altered lipid and glucose metabolism is a cellular adaptation to tumor acidic microenvironments. , 2011, , .		0
47	Abstract ED01-02: Imaging â€˜omics in cancer detection. , 2011, , .		0
48	Hepatic and Systemic Effect of Non-Alcoholic Fatty Liver Disease Severity in Obese and Non-Obese Indian Patients. Integrative Gastroenterology and Hepatology, 2018, 1, 81-91.	0.0	0