

# Amit Mehndiratta

## List of Publications by Year in descending order

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26  
papers

321  
citations

1040056

9  
h-index

888059

17  
g-index

30  
all docs

30  
docs citations

30  
times ranked

374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computer-aided diagnosis of cirrhosis and hepatocellular carcinoma using multi-phase abdomen CT. International Journal of Computer Assisted Radiology and Surgery, 2019, 14, 1341-1352.	2.8	44
2	Evidence of neuroplasticity with robotic hand exoskeleton for post-stroke rehabilitation: a randomized controlled trial. Journal of NeuroEngineering and Rehabilitation, 2021, 18, 76.	4.6	42
3	PET/MRI and PET/CT in Lung Lesions and Thoracic Malignancies. Seminars in Nuclear Medicine, 2015, 45, 268-281.	4.6	29
4	Intravoxel incoherent motion (IVIM) for response assessment in patients with osteosarcoma undergoing neoadjuvant chemotherapy. European Journal of Radiology, 2019, 119, 108635.	2.6	29
5	Robotic Exoskeleton for Wrist and Fingers Joint in Post-Stroke Neuro-Rehabilitation for Low-Resource Settings. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2019, 27, 2369-2377.	4.9	28
6	Texture analysis for chemotherapy response evaluation in osteosarcoma using MR imaging. NMR in Biomedicine, 2021, 34, e4426.	2.8	19
7	Effect of combination and number of b values in IVIM analysis with post-processing methodology: simulation and clinical study. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 519-527.	2.0	15
8	Segmentation of osteosarcoma tumor using diffusion weighted MRI: a comparative study using nine segmentation algorithms. Signal, Image and Video Processing, 2020, 14, 727-735.	2.7	14
9	Clinical translation of amide proton transfer (APT) MRI for ischemic stroke: a systematic review (2003-2020). Quantitative Imaging in Medicine and Surgery, 2021, 11, 3797-3811.	2.0	14
10	Quantitative Analysis of Intravoxel Incoherent Motion (IVIM) Diffusion MRI using Total Variation and Huber Penalty Function. Medical Physics, 2017, 44, 5849-5858.	3.0	10
11	Time-Frequency Analysis of Motor-Evoked Potential in Patients with Stroke vs Healthy Subjects: a Transcranial Magnetic Stimulation Study. SN Comprehensive Clinical Medicine, 2019, 1, 764-780.	0.6	10
12	Automatic segmentation and RECIST score evaluation in osteosarcoma using diffusion MRI: A computer aided system process. European Journal of Radiology, 2020, 133, 109359.	2.6	9
13	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
14	IVIM-DKI for differentiation between prostate cancer and benign prostatic hyperplasia: comparison of 1.5T vs. 3T MRI. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 609-620.	2.0	7
15	Design and Validation of Virtual Reality Task for Neuro-Rehabilitation of Distal Upper Extremities. International Journal of Environmental Research and Public Health, 2022, 19, 1442.	2.6	7
16	SLIC-supervoxels-based response evaluation of osteosarcoma treated with neoadjuvant chemotherapy using multi-parametric MR imaging. European Radiology, 2020, 30, 3125-3136.	4.5	6
17	Device for Assessing Knee Joint Dynamics During Magnetic Resonance Imaging. Journal of Magnetic Resonance Imaging, 2022, 55, 895-907.	3.4	5
18	Current Impact, Future Prospects and Implications of Mobile Healthcare in India. Central Asian Journal of Global Health, 2014, 3, 116.	0.6	4

#	ARTICLE	IF	CITATIONS
19	T1 mapping as a surrogate marker of chemotherapy response evaluation in patients with osteosarcoma. European Journal of Radiology, 2022, 148, 110170.	2.6	4
20	High-resolution dynamic angiography using flat-panel volume CT: feasibility demonstration for neuro and lower limb vascular applications. European Radiology, 2015, 25, 1901-1910.	4.5	3
21	Modified radial-search algorithm for segmentation of tibiofemoral cartilage in MR images of patients with subchondral lesion. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 403-413.	2.8	3
22	Characterisation of prostate cancer using texture analysis for diagnostic and prognostic monitoring. NMR in Biomedicine, 2021, 34, e4495.	2.8	3
23	Model for in-vivo estimation of stiffness of tibiofemoral joint using MR imaging and FEM analysis. Journal of Translational Medicine, 2021, 19, 310.	4.4	3
24	A Case Report: Effect of Robotic Exoskeleton Based Therapy on Neurological and Functional Recovery of a Patient With Chronic Stroke. Frontiers in Neurology, 2021, 12, 680733.	2.4	2
25	Automated Segmentation of Knee Cartilage Using Modified Radial Approach for OA Patients with and without Bone Abnormality. , 2018, , .		1
26	A semi-automatic framework based upon quantitative analysis of MR images for classification of femur cartilage into asymptomatic, early OA, and advanced OA groups. Journal of Orthopaedic Research, 2022, 40, 779-790.	2.3	1