Ali Abbasian Ardekani

List of Publications by Year in Descending Order

34 papers	574 citations	9 h-index	23 g-index
38 ext. papers	855 ext. citations	3 avg, IF	4.87 L-index

#	Paper	IF	Citations
34	Novel Radiomics Features for Automated Detection of Cardiac Abnormality in Patients with Pacemaker.. *Computational and Mathematical Methods in Medicine*, **2022**, 2022, 1279749	2.8	1
33	Automated Diagnosis and Assessment of Cardiac Structural Alteration in Hypertension Ultrasound Images. *Contrast Media and Molecular Imaging*, **2022**, 2022, 1-10	3.2	
32	Nonlinear optical response of cancer cells following conventional and nano-technology based treatment strategies: Results of chemo-, thermo- and radiation therapies.. *Photodiagnosis and Photodynamic Therapy*, **2021**, 37, 102686	3.5	0
31	Interpretation of radiomics features-A pictorial review.. *Computer Methods and Programs in Biomedicine*, **2021**, 215, 106609	6.9	2
30	Z-scan method to measure the nonlinear optical behavior of cells for evaluating the cytotoxic effects of chemotherapy and hyperthermia treatments. *Lasers in Medical Science*, **2021**, 36, 1067-1075	3.1	1
29	COVIDiag: a clinical CAD system to diagnose COVID-19 pneumonia based on CT findings. *European Radiology*, **2021**, 31, 121-130	8	31
28	Accurate automated diagnosis of carpal tunnel syndrome using radiomics features with ultrasound images: A comparison with radiologists' assessment. *European Journal of Radiology*, **2021**, 136, 109518	4.7	3
27	A practical artificial intelligence system to diagnose COVID-19 using computed tomography: A multinational external validation study. *Pattern Recognition Letters*, **2021**, 152, 42-49	4.7	4
26	Clinical and radiological characteristics of pediatric patients with COVID-19: focus on imaging findings. *Japanese Journal of Radiology*, **2020**, 38, 987-992	2.9	8
25	Magneto-plasmonic nanoparticle mediated thermo-radiotherapy significantly affects the nonlinear optical properties of treated cancer cells. *Photodiagnosis and Photodynamic Therapy*, **2020**, 30, 101785	3.5	1
24	Diagnosis of carpal tunnel syndrome: A comparative study of shear wave elastography, morphometry and artificial intelligence techniques. *Pattern Recognition Letters*, **2020**, 133, 77-85	4.7	9
23	Application of deep learning technique to manage COVID-19 in routine clinical practice using CT images: Results of 10 convolutional neural networks. *Computers in Biology and Medicine*, **2020**, 121, 103795	7	333
22	Assessment of the non-linear optical behavior of cells for discrimination between normal and malignant glial cells. *Laser Physics*, **2020**, 30, 125601	1.2	
21	The impact of frame numbers on cardiac ECG-gated SPECT images with interpolated extra frames using echocardiography. *Medical Journal of the Islamic Republic of Iran*, **2020**, 34, 57	1.1	1
20	Correlation between Kidney Function and Sonographic Texture Features after Allograft Transplantation with Corresponding to Serum Creatinine: A Long Term Follow-Up Study. *Journal of Biomedical Physics and Engineering*, **2020**, 10, 713-726	1	1
19	The effects of gold nanoparticles characteristics and laser irradiation conditions on spatiotemporal temperature pattern of an agar phantom: A simulation and MR thermometry study. *Optik*, **2020**, 202, 163718	2.5	3
18	Assessment of nonlinear optical refractive index in identification of bacterial infection. *Laser Physics*, **2019**, 29, 075602	1.2	1

LIST OF PUBLICATIONS

17	Evaluation of nonlinear optical behavior of mouse colon cancer cell line CT26 in hyperthermia treatment. *Lasers in Medical Science*, **2019**, 34, 1627-1635	3.1	3
16	The capability of nonlinear optical characteristics as a predictor for cellular uptake of nanoparticles and cell damage. *Photodiagnosis and Photodynamic Therapy*, **2019**, 27, 442-448	3.5	
15	A Hybrid Multilayer Filtering Approach for Thyroid Nodule Segmentation on Ultrasound Images. *Journal of Ultrasound in Medicine*, **2019**, 38, 629-640	2.9	13
14	CAD system based on B-mode and color Doppler sonographic features may predict if a thyroid nodule is hot or cold. *European Radiology*, **2019**, 29, 4258-4265	8	4
13	Ultrastructural and optical characteristics of cancer cells treated by a nanotechnology based chemo-photothermal therapy method. *Journal of Photochemistry and Photobiology B: Biology*, **2019**, 192, 19-25	6.7	44
12	Predictive quantitative sonographic features on classification of hot and cold thyroid nodules. *European Journal of Radiology*, **2018**, 101, 170-177	4.7	5
11	A Clinical Decision Support System Using Ultrasound Textures and Radiologic Features to Distinguish Metastasis From Tumor-Free Cervical Lymph Nodes in Patients With Papillary Thyroid Carcinoma. *Journal of Ultrasound in Medicine*, **2018**, 37, 2527-2535	2.9	8
10	Differentiation between metastatic and tumour-free cervical lymph nodes in patients with papillary thyroid carcinoma by grey-scale sonographic texture analysis. *Polish Journal of Radiology*, **2018**, 83, e37-e46	1.6	1
9	Scintigraphic texture analysis for assessment of renal allograft function. *Polish Journal of Radiology*, **2018**, 83, e1-e10	1.6	3
8	Evaluation of nonlinear optical differences between breast cancer cell lines SK-BR-3 and MCF-7; an in vitro study. *Photodiagnosis and Photodynamic Therapy*, **2018**, 23, 171-175	3.5	13
7	Diagnosis of human prostate carcinoma cancer stem cells enriched from DU145 cell lines changes with microscopic texture analysis in radiation and hyperthermia treatment using run-length matrix. *International Journal of Radiation Biology*, **2017**, 93, 1248-1256	2.9	2
6	Assessment of Kidney Function After Allograft Transplantation by Texture Analysis. *Iranian Journal of Kidney Diseases*, **2017**, 11, 157-164	0.9	4
5	Radioprotective effects of selenium and vitamin-E against 6MV X-rays in human blood lymphocytes by micronucleus assay. *Medical Journal of the Islamic Republic of Iran*, **2016**, 30, 367	1.1	5
4	Classification of breast tumors using sonographic texture analysis. *Journal of Ultrasound in Medicine* , **2015**, 34, 225-31	2.9	13
3	Classification of Benign and Malignant Thyroid Nodules Using Wavelet Texture Analysis of Sonograms. *Journal of Ultrasound in Medicine*, **2015**, 34, 1983-9	2.9	34
2	Application of Texture Analysis in Diagnosis of Multiple Sclerosis by Magnetic Resonance Imaging. *Global Journal of Health Science*, **2015**, 7, 68-78	1.3	13
1	Application of texture analysis method for classification of benign and malignant thyroid nodules in ultrasound images. *Iranian Journal of Cancer Prevention*, **2015**, 8, 116-24		8