Julia Kar

List of Publications by Year
in descending order

21	283	1163117 8	888059 17
papers	citations	h-index	g-index

21	21	21	335
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct left-ventricular global longitudinal strain (GLS) computation with a fully convolutional network. Journal of Biomechanics, 2022, 130, 110878.	2.1	4
2	Validation of a deep-learning semantic segmentation approach to fully automate MRI-based left-ventricular deformation analysis in cardiotoxicity. British Journal of Radiology, 2021, 94, 20201101.	2.2	2
3	Society for Cardiovascular Magnetic Resonance 2019 Case of the Week series. Journal of Cardiovascular Magnetic Resonance, 2021, 23, 44.	3.3	4
4	Fully automated and comprehensive MRI-based left-ventricular contractility analysis in post-chemotherapy breast cancer patients. British Journal of Radiology, 2020, 93, 20190289.	2.2	5
5	Abstract 224: A Deep Learning Approach to Left-Ventricular Chamber Quantification for Fully Automated Three Dimensional Strain Analysis in Cardiotoxicity. Circulation Research, 2020, 127, .	4.5	1
6	Comprehensive enhanced methodology of an MRI-based automated left-ventricular chamber quantification algorithm and validation in chemotherapy-related cardiotoxicity. Journal of Medical Imaging, 2020, 7, 064002.	1.5	0
7	Can post-chemotherapy cardiotoxicity be detected in long-term survivors of breast cancer via comprehensive 3D left-ventricular contractility (strain) analysis?. Magnetic Resonance Imaging, 2019, 62, 94-103.	1.8	5
8	Fully Automated, MRI-based Left-Ventricular Contractility Analysis in Breast Cancer Patients Following Chemotherapy. , 2019, , .		0
9	Introduction to a mechanism for automated myocardium boundary detection with displacement encoding with stimulated echoes (DENSE). British Journal of Radiology, 2018, 91, 20170841.	2.2	10
10	Topographic mapping of left ventricular regional contractile injury in ischemic mitral regurgitation. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 149-158.e1.	0.8	9
11	Preliminary investigation of multiparametric strain Zâ€score (MPZS) computation using displacement encoding with simulated echoes (DENSE) and radial point interpretation method (RPIM). Journal of Magnetic Resonance Imaging, 2016, 44, 993-1002.	3.4	10
12	Threeâ€dimensional regional strain computation method with displacement encoding with stimulated echoes (DENSE) in nonâ€ischemic, nonâ€valvular dilated cardiomyopathy patients and healthy subjects validated by tagged MRI. Journal of Magnetic Resonance Imaging, 2015, 41, 386-396.	3.4	22
13	Dilated Cardiomyopathy: Normalized Multiparametric Myocardial Strain Predicts Contractile Recovery. Annals of Thoracic Surgery, 2015, 100, 1284-1291.	1.3	6
14	Quantifying â€œnormalizedâ€•regional left ventricular contractile function in ischemic coronary artery disease. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 240-246.	0.8	6
15	A Validation of Two-Dimensional In Vivo Regional Strain Computed from Displacement Encoding with Stimulated Echoes (DENSE), in Reference to Tagged Magnetic Resonance Imaging and Studies in Repeatability. Annals of Biomedical Engineering, 2014, 42, 541-554.	2.5	37
16	Early left ventricular regional contractile impairment in chronic mitral regurgitation occurs in a consistent, heterogeneous pattern. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 1694-1699.	0.8	10
17	A Musculoskeletal Modeling Approach for Estimating Anterior Cruciate Ligament Strains and Knee Anteriorâ€“Posterior Shear Forces in Stop-Jumps Performed by Young Recreational Female Athletes. Annals of Biomedical Engineering, 2013, 41, 338-348.	2.5	25
18	A Numerical Simulation Approach to Studying Anterior Cruciate Ligament Strains and Internal Forces Among Young Recreational Women Performing Valgus Inducing Stop-Jump Activities. Annals of Biomedical Engineering, 2012, 40, 1679-1691.	2.5	24

#	Article	IF	Citations
19	OptDesign: Extending Optimizable k-Dissimilarity Selection to Combinatorial Library Design.. ChemInform, 2003, 34, no.	0.0	0
20	OptDesign:â€‰Extending Optimizablek-Dissimilarity Selection to Combinatorial Library Design. Journal of Chemical Information and Computer Sciences, 2003, 43, 829-836.	2.8	16
21	A Triaxial-Measurement Shear-Test Device for Soft Biological Tissues. Journal of Biomechanical Engineering, 2000, 122, 471-478.	1.3	87