

Julia Kar

List of Publications by Year in descending order

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21
papers

283
citations

1163117

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all docs

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docs citations

21
times ranked

335
citing authors

#	ARTICLE	IF	CITATIONS
1	A Triaxial-Measurement Shear-Test Device for Soft Biological Tissues. <i>Journal of Biomechanical Engineering</i> , 2000, 122, 471-478.	1.3	87
2	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. <i>Annals of Biomedical Engineering</i> , 2014, 42, 541-554.	2.5	37
3	A Musculoskeletal Modeling Approach for Estimating Anterior Cruciate Ligament Strains and Knee Anterior-Posterior Shear Forces in Stop-Jumps Performed by Young Recreational Female Athletes. <i>Annals of Biomedical Engineering</i> , 2013, 41, 338-348.	2.5	25
4	A Numerical Simulation Approach to Studying Anterior Cruciate Ligament Strains and Internal Forces Among Young Recreational Women Performing Valgus Inducing Stop-Jump Activities. <i>Annals of Biomedical Engineering</i> , 2012, 40, 1679-1691.	2.5	24
5	Three-dimensional regional strain computation method with displacement encoding with stimulated echoes (DENSE) in non-ischemic, non-valvular dilated cardiomyopathy patients and healthy subjects validated by tagged MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 386-396.	3.4	22
6	OptDesign: Extending Optimizable-Dissimilarity Selection to Combinatorial Library Design. <i>Journal of Chemical Information and Computer Sciences</i> , 2003, 43, 829-836.	2.8	16
7	Early left ventricular regional contractile impairment in chronic mitral regurgitation occurs in a consistent, heterogeneous pattern. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 1694-1699.	0.8	10
8	Preliminary investigation of multiparametric strain Z-score (MPZS) computation using displacement encoding with simulated echoes (DENSE) and radial point interpretation method (RPIM). <i>Journal of Magnetic Resonance Imaging</i> , 2016, 44, 993-1002.	3.4	10
9	Introduction to a mechanism for automated myocardium boundary detection with displacement encoding with stimulated echoes (DENSE). <i>British Journal of Radiology</i> , 2018, 91, 20170841.	2.2	10
10	Topographic mapping of left ventricular regional contractile injury in ischemic mitral regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 149-158.e1.	0.8	9
11	Dilated Cardiomyopathy: Normalized Multiparametric Myocardial Strain Predicts Contractile Recovery. <i>Annals of Thoracic Surgery</i> , 2015, 100, 1284-1291.	1.3	6
12	Quantifying normalized regional left ventricular contractile function in ischemic coronary artery disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 150, 240-246.	0.8	6
13	Can post-chemotherapy cardiotoxicity be detected in long-term survivors of breast cancer via comprehensive 3D left-ventricular contractility (strain) analysis?. <i>Magnetic Resonance Imaging</i> , 2019, 62, 94-103.	1.8	5
14	Fully automated and comprehensive MRI-based left-ventricular contractility analysis in post-chemotherapy breast cancer patients. <i>British Journal of Radiology</i> , 2020, 93, 20190289.	2.2	5
15	Society for Cardiovascular Magnetic Resonance 2019 Case of the Week series. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2021, 23, 44.	3.3	4
16	Direct left-ventricular global longitudinal strain (GLS) computation with a fully convolutional network. <i>Journal of Biomechanics</i> , 2022, 130, 110878.	2.1	4
17	Validation of a deep-learning semantic segmentation approach to fully automate MRI-based left-ventricular deformation analysis in cardiotoxicity. <i>British Journal of Radiology</i> , 2021, 94, 20201101.	2.2	2
18	Abstract 224: A Deep Learning Approach to Left-Ventricular Chamber Quantification for Fully Automated Three Dimensional Strain Analysis in Cardiotoxicity. <i>Circulation Research</i> , 2020, 127, .	4.5	1

#	ARTICLE	IF	CITATIONS
19	OptDesign: Extending Optimizable k-Dissimilarity Selection to Combinatorial Library Design.. ChemInform, 2003, 34, no.	0.0	0
20	Fully Automated, MRI-based Left-Ventricular Contractility Analysis in Breast Cancer Patients Following Chemotherapy. , 2019, , .		0
21	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