

Ana E Rodriguez-Soto

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

490
citations

933264

10
h-index

752573

20
g-index

37
all docs

37
docs citations

37
times ranked

594
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphology of the human vertebral endplate. <i>Journal of Orthopaedic Research</i> , 2012, 30, 280-287.	1.2	121
2	Human Disc Nucleus Properties and Vertebral Endplate Permeability. <i>Spine</i> , 2011, 36, 512-520.	1.0	90
3	Effect of Load Carriage on Lumbar Spine Kinematics. <i>Spine</i> , 2013, 38, E783-E791.	1.0	41
4	MRI evaluation of cerebrovascular reactivity in obstructive sleep apnea. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1328-1337.	2.4	17
5	Improved Characterization of Diffusion in Normal and Cancerous Prostate Tissue Through Optimization of Multicompartmental Signal Models. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 628-639.	1.9	17
6	Texture Analysis, Bone Mineral Density, and Cortical Thickness of the Proximal Femur. <i>Journal of Computer Assisted Tomography</i> , 2010, 34, 949-957.	0.5	16
7	MRI quantification of human fetal O ₂ delivery rate in the second and third trimesters of pregnancy. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 1148-1157.	1.9	16
8	Architectural and Biochemical Adaptations in Skeletal Muscle and Bone Following Rotator Cuff Injury in a Rat Model. <i>Journal of Bone and Joint Surgery - Series A</i> , 2015, 97, 565-573.	1.4	15
9	Discrimination of Breast Cancer from Healthy Breast Tissue Using a Three-component Diffusion-weighted MRI Model. <i>Clinical Cancer Research</i> , 2021, 27, 1094-1104.	3.2	15
10	Lumbar spine postures in Marines during simulated operational positions. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2145-2153.	1.2	13
11	T ₂ -prepared balanced steady-state free precession (bSSFP) for quantifying whole-blood oxygen saturation at 1.5T. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1893-1900.	1.9	12
12	Voxel-level Classification of Prostate Cancer on Magnetic Resonance Imaging: Improving Accuracy Using Four-Compartment Restriction Spectrum Imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 975-984.	1.9	12
13	Multiplexed MRI methods for rapid estimation of global cerebral metabolic rate of oxygen consumption. <i>NeuroImage</i> , 2017, 149, 393-403.	2.1	10
14	Lumbar Muscle Structure Predicts Operational Postures in Active-Duty Marines. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2018, 48, 613-621.	1.7	10
15	Correction of Artifacts Induced by B ₀ Inhomogeneities in Breast MRI Using Reduced-Field Echo Planar Imaging and Enhanced Reversed Polarity Gradient Method. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 1581-1591.	1.9	10
16	Calibrated fMRI for dynamic mapping of CMRO ₂ responses using MR-based measurements of whole-brain venous oxygen saturation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1501-1516.	2.4	8
17	Characterization of the diffusion signal of breast tissues using multi-exponential models. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 1938-1951.	1.9	8
18	Diffusion Breast MRI: Current Standard and Emerging Techniques. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	8

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19	An Endplate-Based Joint Coordinate System for Measuring Kinematics in Normal and Abnormally-Shaped Lumbar Vertebrae. <i>Journal of Applied Biomechanics</i> , 2015, 31, 499-503.	0.3	6
20	Effect of Load Magnitude and Distribution on Lumbar Spine Posture in Active-duty Marines. <i>Spine</i> , 2017, 42, 345-351.	1.0	6
21	The effect of training on lumbar spine posture and intervertebral disc degeneration in active-duty Marines. <i>Ergonomics</i> , 2017, 60, 1055-1063.	1.1	5
22	Correcting B0 inhomogeneity-induced distortions in whole-body diffusion MRI of bone. <i>Scientific Reports</i> , 2022, 12, 265.	1.6	5
23	Multiparametric MRI characterization of level dependent differences in lumbar muscle size, quality, and microstructure. <i>JOR Spine</i> , 2020, 3, e1079.	1.5	4
24	MRI evaluation of cerebral metabolic rate of oxygen (CMRO ₂) in obstructive sleep apnea. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, , 0271678X2110710.	2.4	4
25	In vivo wholeâ€blood T ₂ versus HbO ₂ calibration by modulating blood oxygenation level in the femoral vein through intermittent cuff occlusion. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2290-2296.	1.9	3
26	Noncontrast MRI with advanced diffusion weighted imaging for breast cancer detection in a lactating woman. <i>Radiology Case Reports</i> , 2020, 15, 2358-2361.	0.2	3
27	Crossâ€modality and <i>inâ€vivo</i> validation of ^{4D} flow MRI evaluation of uterine artery blood flow in human pregnancy. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021, 58, 722-731.	0.9	3
28	Evidence of maternal vascular malperfusion in placentas of women with congenital heart disease. <i>Placenta</i> , 2022, 117, 209-212.	0.7	1
29	A flow-diffusion model of oxygen transport for quantitative mapping of cerebral metabolic rate of oxygen (CMRO ₂) with single gas calibrated fMRI. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 1192-1209.	2.4	1
30	Tri-Compartmental Restriction Spectrum Imaging Breast Model Distinguishes Malignant Lesions from Benign Lesions and Healthy Tissue on Diffusion-Weighted Imaging. <i>Cancers</i> , 2022, 14, 3200.	1.7	1
31	136: Feasibility of MRI measurement of placenta metabolic rate of O ₂ . <i>American Journal of Obstetrics and Gynecology</i> , 2017, 216, S93-S94.	0.7	0