William T Clarke

List of Publications by Year
in descending order

32 papers	1,216 citations	516215 16 h-index	454577 30 g-index
45 all docs	45 docs citations	45 times ranked	1766 citing authors

#	Article	IF	Citations
1	Uncertainty in denoising of MRSI using lowâ€rank methods. Magnetic Resonance in Medicine, 2022, 87, 574-588.	1.9	12
2	Comparison of seven modelling algorithms for Î³â€aminobutyric acidâ€“edited proton magnetic resonance spectroscopy. NMR in Biomedicine, 2022, 35, e4702.	1.6	20
3	Where functional MRI stops, metabolism starts. ELife, 2022, 11, .	2.8	0
4	Communityâ€Organized Resources for Reproducible<scp>MRS</scp>Data Analysis. Magnetic Resonance in Medicine, 2022, 88, 1959-1961.	1.9	6
5	FSLâ€MRS: An endâ€toâ€end spectroscopy analysis package. Magnetic Resonance in Medicine, 2021, 85, 2950-2964.	1.9	49
6	Quantifying the effect of dobutamine stress on myocardial Pi and pH in healthy volunteers: A ³¹P MRS study at 7T. Magnetic Resonance in Medicine, 2021, 85, 1147-1159.	1.9	12
7	Cardiac Energetics Before, During, and After Anthracycline-Based Chemotherapy in Breast Cancer Patients Using 31P Magnetic Resonance Spectroscopy: A Pilot Study. Frontiers in Cardiovascular Medicine, 2021, 8, 653648.	1.1	2
8	Obesity modifies the energetic phenotype of dilated cardiomyopathy. European Heart Journal, 2021, , .	1.0	16
9	Memory recall involves a transient break in excitatory-inhibitory balance. ELife, 2021, 10, .	2.8	14
10	Multi-site harmonization of 7 tesla MRI neuroimaging protocols. NeuroImage, 2020, 206, 116335.	2.1	36
11	Multi-centre, multi-vendor reproducibility of 7T QSM and R2* in the human brain: Results from the UK7T study. NeuroImage, 2020, 223, 117358.	2.1	20
12	Myocardial Energetics in Obesity. Circulation, 2020, 141, 1152-1163.	1.6	49
13	Improving PCASL at ultraâ€high field using a VERSEâ€guided parallel transmission strategy. Magnetic Resonance in Medicine, 2020, 84, 777-786.	1.9	14
14	Cardiac Energetics in Patients With Aortic Stenosis and Preserved Versus Reduced Ejection Fraction. Circulation, 2020, 141, 1971-1985.	1.6	18
15	Reproducibility of human cardiac phosphorus MRS (³¹Pâ€MRS) at 7ÂT. NMR in Biomedicine, 2019, 32, e4095.	1.6	22
16	Measuring inorganic phosphate and intracellular pH in the healthy and hypertrophic cardiomyopathy hearts by in vivo 7T 31P-cardiovascular magnetic resonance spectroscopy. Journal of Cardiovascular Magnetic Resonance, 2019, 21, 19.	1.6	35
17	Localized rest and stress human cardiac creatine kinase reaction kinetics at 3ÂT. NMR in Biomedicine, 2019, 32, e4085.	1.6	16
18	Phosphodiester content measured in human liver by in vivo ³¹P MR spectroscopy at 7 tesla. Magnetic Resonance in Medicine, 2017, 78, 2095-2105.	1.9	25

#	Article	IF	Citations
19	Adiabatic excitation for ³¹P MR spectroscopy in the human heart at 7 T: A feasibility study. Magnetic Resonance in Medicine, 2017, 78, 1667-1673.	1.9	11
20	Creatine kinase rate constant in the human heart measured with 3<scp>D</scp>â€localization at 7 tesla. Magnetic Resonance in Medicine, 2017, 78, 20-32.	1.9	17
21	OXSA: An open-source magnetic resonance spectroscopy analysis toolbox in MATLAB. PLoS ONE, 2017, 12, e0185356.	1.1	77
22	Using a whole-body 31P birdcage transmit coil and 16-element receive array for human cardiac metabolic imaging at 7T. PLoS ONE, 2017, 12, e0187153.	1.1	34
23	Relationship Between Left Ventricular Structural and Metabolic Remodeling in Type 2 Diabetes. Diabetes, 2016, 65, 44-52.	0.3	177
24	Blochâ€Siegert â€mapping for human cardiac ³¹Pâ€MRS at 7 Tesla. Magnetic Resonance in Medicine, 2016, 76, 1047-1058.	1.9	18
25	Suppression of skeletal muscle signal using a crusher coil: A human cardiac 31 pâ€MR spectroscopy study at 7 tesla. Magnetic Resonance in Medicine, 2016, 75, 962-972.	1.9	12
26	Lone Atrial Fibrillation Is Associated With Impaired Left Ventricular Energetics That Persists Despite Successful Catheter Ablation. Circulation, 2016, 134, 1068-1081.	1.6	70
27	Dilated Cardiomyopathy: Phosphorus 31 MR Spectroscopy at 7 T. Radiology, 2016, 281, 409-417.	3.6	31
28	Ectopic and Visceral Fat Deposition inÂLean and Obese Patients With TypeÂ2ÂDiabetes. Journal of the American College of Cardiology, 2016, 68, 53-63.	1.2	165
29	Cardiac energetics, oxygenation, and perfusion during increased workload in patients with type 2 diabetes mellitus. European Heart Journal, 2016, 37, 3461-3469.	1.0	124
30	7T versus 3T phosphorous magnetic resonance spectroscopy in patients with dilated cardiomyopathy. Journal of Cardiovascular Magnetic Resonance, 2015, 17, .	1.6	2
31	Abstract 15822: Phosphorus Magnetic Resonance Spectroscopy is More Precise at 7 Tesla Field Strength Than 3 Tesla in Patients With Dilated Cardiomyopathy. Circulation, 2015, 132, .	1.6	0
32	Human cardiac ³¹P magnetic resonance spectroscopy at 7 tesla. Magnetic Resonance in Medicine, 2014, 72, 304-315.	1.9	100