

# William T Clarke

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1033667/publications.pdf>

Version: 2024-02-01

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	Relationship Between Left Ventricular Structural and Metabolic Remodeling in Type 2 Diabetes. <i>Diabetes</i> , 2016, 65, 44-52.	0.3	177
2	Ectopic and Visceral Fat Deposition in Lean and Obese Patients With Type 2 Diabetes. <i>Journal of the American College of Cardiology</i> , 2016, 68, 53-63.	1.2	165
3	Cardiac energetics, oxygenation, and perfusion during increased workload in patients with type 2 diabetes mellitus. <i>European Heart Journal</i> , 2016, 37, 3461-3469.	1.0	124
4	Human cardiac <sup>31</sup> P magnetic resonance spectroscopy at 7 tesla. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 304-315.	1.9	100
5	OXSA: An open-source magnetic resonance spectroscopy analysis toolbox in MATLAB. <i>PLoS ONE</i> , 2017, 12, e0185356.	1.1	77
6	Lone Atrial Fibrillation Is Associated With Impaired Left Ventricular Energetics That Persists Despite Successful Catheter Ablation. <i>Circulation</i> , 2016, 134, 1068-1081.	1.6	70
7	Myocardial Energetics in Obesity. <i>Circulation</i> , 2020, 141, 1152-1163.	1.6	49
8	FSL-MRS: An end-to-end spectroscopy analysis package. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 2950-2964.	1.9	49
9	Multi-site harmonization of 7 tesla MRI neuroimaging protocols. <i>NeuroImage</i> , 2020, 206, 116335.	2.1	36
10	Measuring inorganic phosphate and intracellular pH in the healthy and hypertrophic cardiomyopathy hearts by in vivo 7T <sup>31</sup> P-cardiovascular magnetic resonance spectroscopy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2019, 21, 19.	1.6	35
11	Using a whole-body <sup>31</sup> P birdcage transmit coil and 16-element receive array for human cardiac metabolic imaging at 7T. <i>PLoS ONE</i> , 2017, 12, e0187153.	1.1	34
12	Dilated Cardiomyopathy: Phosphorus 31 MR Spectroscopy at 7 T. <i>Radiology</i> , 2016, 281, 409-417.	3.6	31
13	Phosphodiester content measured in human liver by in vivo <sup>31</sup> P MR spectroscopy at 7 tesla. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 2095-2105.	1.9	25
14	Reproducibility of human cardiac phosphorus MRS ( <sup>31</sup> P-MRS) at 7T. <i>NMR in Biomedicine</i> , 2019, 32, e4095.	1.6	22
15	Multi-centre, multi-vendor reproducibility of 7T QSM and R2* in the human brain: Results from the UK7T study. <i>NeuroImage</i> , 2020, 223, 117358.	2.1	20
16	Comparison of seven modelling algorithms for <sup>13</sup> C-aminobutyric acid-edited proton magnetic resonance spectroscopy. <i>NMR in Biomedicine</i> , 2022, 35, e4702.	1.6	20
17	Bloch-Siegert mapping for human cardiac <sup>31</sup> P-MRS at 7 Tesla. <i>Magnetic Resonance in Medicine</i> , 2016, 76, 1047-1058.	1.9	18
18	Cardiac Energetics in Patients With Aortic Stenosis and Preserved Versus Reduced Ejection Fraction. <i>Circulation</i> , 2020, 141, 1971-1985.	1.6	18

#	ARTICLE	IF	CITATIONS
19	Creatine kinase rate constant in the human heart measured with $^3\text{D}$ localization at 7 tesla. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 20-32.	1.9	17
20	Localized rest and stress human cardiac creatine kinase reaction kinetics at 3T. <i>NMR in Biomedicine</i> , 2019, 32, e4085.	1.6	16
21	Obesity modifies the energetic phenotype of dilated cardiomyopathy. <i>European Heart Journal</i> , 2021, , .	1.0	16
22	Improving PCASL at ultra-high field using a VERSE-guided parallel transmission strategy. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 777-786.	1.9	14
23	Memory recall involves a transient break in excitatory-inhibitory balance. <i>ELife</i> , 2021, 10, .	2.8	14
24	Suppression of skeletal muscle signal using a crusher coil: A human cardiac $^3\text{P}$ MR spectroscopy study at 7 tesla. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 962-972.	1.9	12
25	Quantifying the effect of dobutamine stress on myocardial Pi and pH in healthy volunteers: A $^3\text{P}$ MRS study at 7T. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 1147-1159.	1.9	12
26	Uncertainty in denoising of MRSI using low-rank methods. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 574-588.	1.9	12
27	Adiabatic excitation for $^3\text{P}$ MR spectroscopy in the human heart at 7 T: A feasibility study. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1667-1673.	1.9	11
28	Community-Organized Resources for Reproducible MRS Data Analysis. <i>Magnetic Resonance in Medicine</i> , 2022, 88, 1959-1961.	1.9	6
29	7T versus 3T phosphorous magnetic resonance spectroscopy in patients with dilated cardiomyopathy. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, .	1.6	2
30	Cardiac Energetics Before, During, and After Anthracycline-Based Chemotherapy in Breast Cancer Patients Using $^3\text{P}$ Magnetic Resonance Spectroscopy: A Pilot Study. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 653648.	1.1	2
31	Abstract 15822: Phosphorus Magnetic Resonance Spectroscopy is More Precise at 7 Tesla Field Strength Than 3 Tesla in Patients With Dilated Cardiomyopathy. <i>Circulation</i> , 2015, 132, .	1.6	0
32	Where functional MRI stops, metabolism starts. <i>ELife</i> , 2022, 11, .	2.8	0