

Calum D Gray

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,494
citations

361045

20
h-index

344852

36
g-index

38
all docs

38
docs citations

38
times ranked

2697
citing authors

#	ARTICLE	IF	CITATIONS
1	DiCyc: GAN-based deformation invariant cross-domain information fusion for medical image synthesis. <i>Information Fusion</i> , 2021, 67, 147-160.	11.7	62
2	Quantitative Parameters from OCT Angiography in Patients with Diabetic Retinopathy and in Those with Only Peripheral Retinopathy Compared with Control Participants. <i>Ophthalmology Science</i> , 2021, 1, 100030.	1.0	2
3	Magnetic resonance elastography (MRE) shows significant reduction of thigh muscle stiffness in healthy older adults. <i>GeroScience</i> , 2020, 42, 311-321.	2.1	16
4	Bone marrow adipose tissue is a unique adipose subtype with distinct roles in glucose homeostasis. <i>Nature Communications</i> , 2020, 11, 3097.	5.8	98
5	Automated Segmentation of Optical Coherence Tomography Angiography Images: Benchmark Data and Clinically Relevant Metrics. <i>Translational Vision Science and Technology</i> , 2020, 9, 5.	1.1	43
6	Enhanced avidity from a multivalent fluorescent antimicrobial peptide enables pathogen detection in a human lung model. <i>Scientific Reports</i> , 2019, 9, 8422.	1.6	22
7	Ferumoxytol-enhanced MRI in patients with prior cardiac transplantation. <i>Open Heart</i> , 2019, 6, e001115.	0.9	2
8	¹⁸ F- ¹⁸ Sodium Fluoride Uptake in Abdominal Aortic Aneurysms. <i>Journal of the American College of Cardiology</i> , 2018, 71, 513-523.	1.2	122
9	Ferumoxytol-enhanced magnetic resonance imaging in acute myocarditis. <i>Heart</i> , 2018, 104, 300-305.	1.2	24
10	Gender disparities in aortic stenosis: an optimised assessment using contrast-enhanced computed tomography. , 2018, , .		1
11	In situ identification of Gram-negative bacteria in human lungs using a topical fluorescent peptide targeting lipid A. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	59
12	Masks2Metrics (M2M): A Matlab Toolbox for Gold Standard Morphometrics. <i>Journal of Open Source Software</i> , 2018, 3, 436.	2.0	2
13	Exploring the Biological and Mechanical Properties of Abdominal Aortic Aneurysms Using USPIO MRI and Peak Tissue Stress: A Combined Clinical and Finite Element Study. <i>Journal of Cardiovascular Translational Research</i> , 2017, 10, 489-498.	1.1	9
14	Aortic Wall Inflammation Predicts Abdominal Aortic Aneurysm Expansion, Rupture, and Need for Surgical Repair. <i>Circulation</i> , 2017, 136, 787-797.	1.6	122
15	Ferumoxytol-enhanced magnetic resonance imaging methodology and normal values at 1.5 and 3T. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 18, 46.	1.6	20
16	MRI enhanced with ultrasmall superparamagnetic particles of iron oxide in the assessment of cellular inflammation after myocardial infarction. <i>Lancet, The</i> , 2016, 387, S94.	6.3	1
17	Sertoli Cells Modulate Testicular Vascular Network Development, Structure, and Function to Influence Circulating Testosterone Concentrations in Adult Male Mice. <i>Endocrinology</i> , 2016, 157, 2479-2488.	1.4	52
18	Positron Emission Tomography and Magnetic Resonance Imaging of Cellular Inflammation in Patients with Abdominal Aortic Aneurysms. <i>European Journal of Vascular and Endovascular Surgery</i> , 2016, 51, 518-526.	0.8	43

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19	Does metformin reduce excess birthweight in offspring of obese pregnant women? A randomised controlled trial of efficacy, exploration of mechanisms and evaluation of other pregnancy complications. <i>Efficacy and Mechanism Evaluation</i> , 2016, 3, 1-800.	0.9	5
20	Optical coherence tomography versus intravascular ultrasound to evaluate stent implantation in patients with calcific coronary artery disease. <i>Open Heart</i> , 2015, 2, e000225.	0.9	14
21	^1H MRS: a potential biomarker of in utero placental function. <i>NMR in Biomedicine</i> , 2015, 28, 1275-1282.	1.6	10
22	Ultrasmall superparamagnetic particles of iron oxide-enhanced magnetic resonance imaging in the assessment of cellular inflammation after myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, P252.	1.6	1
23	Measurement of myocardial blood flow by cardiovascular magnetic resonance perfusion: comparison of distributed parameter and Fermi models with single and dual bolus. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 17.	1.6	22
24	Convergence in insulin resistance between very severely obese and lean women at the end of pregnancy. <i>Diabetologia</i> , 2015, 58, 2615-2626.	2.9	34
25	5α -Reductase Type 1 Modulates Insulin Sensitivity in Men. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E1397-E1406.	1.8	68
26	Phase I/II trial of formoterol fumarate combined with megestrol acetate in cachectic patients with advanced malignancy. <i>Supportive Care in Cancer</i> , 2014, 22, 1269-1275.	1.0	63
27	Assessing the reliability of DP and Fermi estimates in single and dual bolus cardiac MR perfusion imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2014, 16, P347.	1.6	0
28	Neck muscle cross-sectional area, brain volume and cognition in healthy older men; a cohort study. <i>BMC Geriatrics</i> , 2013, 13, 20.	1.1	17
29	A history of previous gestational diabetes mellitus is associated with adverse changes in insulin secretion and VLDL metabolism independently of increased intrahepatocellular lipid. <i>Diabetologia</i> , 2013, 56, 2021-2033.	2.9	19
30	Increased Skeletal Muscle 11β HSD1 mRNA Is Associated with Lower Muscle Strength in Ageing. <i>PLoS ONE</i> , 2013, 8, e84057.	1.1	24
31	The magnetic resonance imaging subset of the mngu0 articular corpus. <i>Journal of the Acoustical Society of America</i> , 2012, 131, EL106-EL111.	0.5	11
32	Sexual dimorphism modulates the impact of cancer cachexia on lower limb muscle mass and function. <i>Clinical Nutrition</i> , 2012, 31, 499-505.	2.3	80
33	In Vivo Mononuclear Cell Tracking Using Superparamagnetic Particles of Iron Oxide. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 509-517.	1.3	100
34	Design and Validation of a Novel Method to Measure Cross-Sectional Area of Neck Muscles Included during Routine MR Brain Volume Imaging. <i>PLoS ONE</i> , 2012, 7, e34444.	1.1	18
35	The use of ultrasound to diagnose hepatic steatosis in type 2 diabetes: Intra- and interobserver variability and comparison with magnetic resonance spectroscopy. <i>Clinical Radiology</i> , 2011, 66, 434-439.	0.5	30
36	Magnetic resonance imaging with k-means clustering objectively measures whole muscle volume compartments in sarcopenia/cancer cachexia. <i>Clinical Nutrition</i> , 2011, 30, 106-111.	2.3	42

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37	Blunting of adaptive responses to resistance exercise training in women over 75y. <i>Experimental Gerontology</i> , 2011, 46, 884-890.	1.2	83
38	Abdominal Aortic Aneurysm Growth Predicted by Uptake of Ultrasmall Superparamagnetic Particles of Iron Oxide. <i>Circulation: Cardiovascular Imaging</i> , 2011, 4, 274-281.	1.3	153