

# Geoffrey Clarke

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

2,332  
citations

236612

25  
h-index

205818

48  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2790  
citing authors

#	ARTICLE	IF	CITATIONS
1	2017 HRS expert consensus statement on magnetic resonance imaging and radiation exposure in patients with cardiovascular implantable electronic devices. <i>Heart Rhythm</i> , 2017, 14, e97-e153.	0.3	308
2	Small Multifunctional Nanoclusters (Nanoroses) for Targeted Cellular Imaging and Therapy. <i>ACS Nano</i> , 2009, 3, 2686-2696.	7.3	187
3	Assessment of Coronary Arterial Flow and Flow Reserve in Humans With Magnetic Resonance Imaging. <i>Circulation</i> , 1996, 93, 1502-1508.	1.6	140
4	Production and clearance of lactate from brain tissue, cerebrospinal fluid, and serum following experimental brain injury. <i>Journal of Neurosurgery</i> , 1988, 69, 736-744.	0.9	130
5	Proton magnetic resonance spectroscopy in the brain: Report of AAPM MR Task Group #9. <i>Medical Physics</i> , 2002, 29, 2177-2197.	1.6	108
6	Measuring signal-to-noise ratio in partially parallel imaging MRI. <i>Medical Physics</i> , 2011, 38, 5049-5057.	1.6	100
7	An MRI phantom material for quantitative relaxometry. <i>Magnetic Resonance in Medicine</i> , 1987, 5, 555-562.	1.9	88
8	Acceptance testing of magnetic resonance imaging systems: Report of AAPM Nuclear Magnetic Resonance Task Group No. 6. <i>Medical Physics</i> , 1992, 19, 217-229.	1.6	85
9	Measurement of Absolute Epicardial Coronary Artery Flow and Flow Reserve With Breath-Hold Cine Phase-Contrast Magnetic Resonance Imaging. <i>Circulation</i> , 1995, 91, 2627-2634.	1.6	84
10	Cerebral blood flow and cranial magnetic resonance imaging in eclampsia and severe preeclampsia. <i>Obstetrics and Gynecology</i> , 1997, 89, 561-568.	1.2	77
11	Cerebral energy metabolism following fluid-percussion brain injury in cats. <i>Journal of Neurosurgery</i> , 1988, 68, 594-600.	0.9	76
12	Visualization and Functional Assessment of Proximal and Middle Left Anterior Descending Coronary Stenoses in Humans With Magnetic Resonance Imaging. <i>Circulation</i> , 1999, 99, 3248-3254.	1.6	76
13	Pulmonary embolism: comparison of MR images with radionuclide and angiographic studies.. <i>Radiology</i> , 1994, 190, 499-508.	3.6	67
14	Assessment of Coronary Arterial Restenosis With Phase-Contrast Magnetic Resonance Imaging Measurements of Coronary Flow Reserve. <i>Circulation</i> , 2000, 101, 2375-2381.	1.6	65
15	Effect of posttraumatic hypoventilation on cerebral energy metabolism. <i>Journal of Neurosurgery</i> , 1988, 68, 601-607.	0.9	63
16	Chronic Reduction of Plasma Free Fatty Acid Improves Mitochondrial Function and Whole-Body Insulin Sensitivity in Obese and Type 2 Diabetic Individuals. <i>Diabetes</i> , 2014, 63, 2812-2820.	0.3	60
17	Cardiac remodelling in a baboon model of intrauterine growth restriction mimics accelerated ageing. <i>Journal of Physiology</i> , 2017, 595, 1093-1110.	1.3	59
18	Noninvasive Determination of Infarct Artery Patency By Cine Magnetic Resonance Angiography. <i>Circulation</i> , 1995, 91, 1347-1353.	1.6	56

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19	Premature Brain Aging in Baboons Resulting from Moderate Fetal Undernutrition. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 92.	1.7	39
20	Maternal nutrient restriction during pregnancy and lactation leads to impaired right ventricular function in young adult baboons. <i>Journal of Physiology</i> , 2017, 595, 4245-4260.	1.3	34
21	Evaluation of cerebral arterial flow with transcranial Doppler ultrasound: Theoretical development and phantom studies. <i>Ultrasound in Medicine and Biology</i> , 1997, 23, 1025-1031.	0.7	32
22	Velocity-encoded, phase-difference cine MRI measurements of coronary artery flow: Dependence of flow accuracy on the number of cine frames. <i>Journal of Magnetic Resonance Imaging</i> , 1996, 6, 733-742.	1.9	29
23	Intrauterine growth restriction results in persistent vascular mismatch in adulthood. <i>Journal of Physiology</i> , 2018, 596, 5777-5790.	1.3	28
24	Routine testing of magnetic field homogeneity on clinical MRI systems. <i>Medical Physics</i> , 2006, 33, 4299-4306.	1.6	27
25	A comparison of five standard methods for evaluating image intensity uniformity in partially parallel imaging MRI. <i>Medical Physics</i> , 2013, 40, 082302.	1.6	27
26	Practical aspects of functional MRI (NMR Task Group #8). <i>Medical Physics</i> , 2002, 29, 1892-1912.	1.6	26
27	Magnetic resonance imaging k-space segmentation using phase-encoding groups: The accuracy of quantitative measurements of pulsatile flow. <i>Medical Physics</i> , 1995, 22, 391-399.	1.6	25
28	Essentials and guidelines for clinical medical physics residency training programs: executive summary of AAPM Report Number 249. <i>Journal of Applied Clinical Medical Physics</i> , 2014, 15, 4-13.	0.8	20
29	Magnetic resonance imaging of pulmonary embolism. <i>Seminars in Ultrasound, CT and MRI</i> , 1997, 18, 338-348.	0.7	18
30	Sex-dimorphic acceleration of pericardial, subcutaneous, and plasma lipid increase in offspring of poorly nourished baboons. <i>International Journal of Obesity</i> , 2018, 42, 1092-1096.	1.6	17
31	Ageing changes in biventricular cardiac function in male and female baboons ( <i>Papio</i> spp.). <i>Journal of Physiology</i> , 2018, 596, 5083-5098.	1.3	16
32	Magnetic Resonance Imaging-Guided Delivery of Neural Stem Cells into the Basal Ganglia of Nonhuman Primates Reveals a Pulsatile Mode of Cell Dispersion. <i>Stem Cells Translational Medicine</i> , 2017, 6, 877-885.	1.6	15
33	Reduced skeletal muscle phosphocreatine concentration in type 2 diabetic patients: a quantitative image-based phosphorus-31 MR spectroscopy study. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E229-E239.	1.8	15
34	White Matter Integrity in High-Altitude Pilots Exposed to Hypobaric. <i>Aerospace Medicine and Human Performance</i> , 2016, 87, 983-988.	0.2	14
35	Choice of Phantom Material and Test Protocols to Determine Radiation Exposure Rates for Fluoroscopy. <i>Radiographics</i> , 2000, 20, 1033-1042.	1.4	13
36	Exercise-induced attenuation of alpha-adrenoceptor mediated vasoconstriction in humans: evidence from phase-contrast MRI. <i>Cardiovascular Research</i> , 1999, 41, 220-228.	1.8	12

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37	The nonhuman primate hypothalamo-pituitary-adrenal axis is an orchestrator of programming-aging interactions: role of nutrition. <i>Nutrition Reviews</i> , 2020, 78, 48-61.	2.6	11
38	Magnetic resonance imaging of the heart and its role in current cardiology. <i>Current Opinion in Cardiology</i> , 1995, 10, 640-649.	0.8	10
39	Combined Radiology Residency/PhD Program for Education of Academic Radiologists: A Response to Revitalizing the Radiology Research Enterprise. <i>Radiology</i> , 2007, 245, 14-20.	3.6	8
40	Contrast-Enhanced First-Pass Myocardial Perfusion Magnetic Resonance Imaging With Parallel Acquisition at 3.0 Tesla. <i>Investigative Radiology</i> , 2007, 42, 352-360.	3.5	8
41	MRI based biomarker for brain aging in rodents and non-human primates. , 2016, , .		8
42	Antenatal Synthetic Glucocorticoid Exposure at Human Therapeutic Equivalent Doses Predisposes Middle-Age Male Offspring Baboons to an Obese Phenotype That Emerges With Aging. <i>Reproductive Sciences</i> , 2019, 26, 591-599.	1.1	8
43	Intramyocellular phosphate metabolism in X-linked hypophosphatemic rickets. <i>Journal of Pediatrics</i> , 1990, 116, 288-292.	0.9	7
44	Orientational dependence of intermolecular double quantum coherence (iDQC) signal from tendon tissue. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 1183-1186.	1.9	6
45	Characterization of atherosclerotic plaque: a contrast-enhanced detail study using multidetector and cone-beam computed tomography. <i>Journal of Applied Clinical Medical Physics</i> , 2014, 15, 290-302.	0.8	6
46	Seeing the fetus from a DOHaD perspective: discussion paper from the advanced imaging techniques of DOHaD applications workshop held at the 2019 DOHaD World Congress. <i>Journal of Developmental Origins of Health and Disease</i> , 2021, 12, 153-167.	0.7	4
47	Cardiac magnetic resonance imaging: insights into developmental programming and its consequences for aging. <i>Journal of Developmental Origins of Health and Disease</i> , 2021, 12, 203-219.	0.7	4
48	Combined Radiology Residency-PhD Program: 10-Year Review of Program Results. <i>Journal of the American College of Radiology</i> , 2013, 10, 738-741.	0.9	3
49	Fiber orientation measurements by diffusion tensor imaging improve hydrogen-1 magnetic resonance spectroscopy of intramyocellular lipids in human leg muscles. <i>Journal of Medical Imaging</i> , 2015, 2, 026002.	0.8	3
50	Magnetic resonance imaging at 3 tesla: Time to begin, again. <i>Journal of the American College of Radiology</i> , 2004, 1, 524-526.	0.9	2
51	First-Pass Contrast-Enhanced Myocardial Perfusion MRI Using a Maximum Up-Slope Parametric Map. <i>IEEE Transactions on Information Technology in Biomedicine</i> , 2006, 10, 574-580.	3.6	2
52	Quantitative image-based phosphorus-31 MR spectroscopy for evaluating age-based differences in skeletal muscle metabolites. , 2018, , .		2
53	Summary and Assessment of Studies on Cardiac Aging in Nonhuman Primates. <i>Comparative Medicine</i> , 2021, 71, 460-465.	0.4	2
54	Enzyme kinetics and relaxation measurements with surface coils. <i>Magnetic Resonance in Medicine</i> , 1990, 14, 522-529.	1.9	1

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55	Exercise and Creatine Supplementation to Augment the Adaptation of Exercise Training Among Breast Cancer Survivors Completing Chemotherapy: Protocol for an Open-label Randomized Controlled Trial (the THRIVE Study). <i>JMIR Research Protocols</i> , 2022, 11, e26827.	0.5	1
56	<title>Reconstruction of magnetic resonance images from EPI data</title>. , 1993, , .		0
57	Retrospective removal of k-space artifacts for echo-planar images: noise reduction algorithms for spike suppression. , 1998, , .		0
58	Measurement of myocardial T1 relaxation times in humans with inversion recovery EPI. , 2001, 4320, 898.		0
59	“Stiffening the sinews of the heart”™. <i>Journal of Physiology</i> , 2018, 596, 2279-2280.	1.3	0
60	Perinatal maternal undernutrition does not result in offspring capillary rarefaction in the middle-aged male baboon at rest. <i>Journal of Developmental Origins of Health and Disease</i> , 2021, 12, 349-353.	0.7	0