

Stuart M. Grieve

List of Publications by Year in descending order

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Version: 2024-02-01

159
papers

8,428
citations

53794

45
h-index

53230

85
g-index

160
all docs

160
docs citations

160
times ranked

13566
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of a Common Neurobiological Substrate for Mental Illness. <i>JAMA Psychiatry</i> , 2015, 72, 305.	11.0	1,050
2	Early Life Stress and Morphometry of the Adult Anterior Cingulate Cortex and Caudate Nuclei. <i>Biological Psychiatry</i> , 2006, 59, 975-982.	1.3	386
3	Brain maturation in adolescence: Concurrent changes in neuroanatomy and neurophysiology. <i>Human Brain Mapping</i> , 2007, 28, 228-237.	3.6	309
4	Widespread reductions in gray matter volume in depression. <i>NeuroImage: Clinical</i> , 2013, 3, 332-339.	2.7	301
5	Abnormal Structural Networks Characterize Major Depressive Disorder: A Connectome Analysis. <i>Biological Psychiatry</i> , 2014, 76, 567-574.	1.3	293
6	Preservation of limbic and paralimbic structures in aging. <i>Human Brain Mapping</i> , 2005, 25, 391-401.	3.6	253
7	Obesity Is Associated With Reduced White Matter Integrity in Otherwise Healthy Adults*. <i>Obesity</i> , 2011, 19, 500-504.	3.0	204
8	Relationship Between Body Mass Index and Brain Volume in Healthy Adults. <i>International Journal of Neuroscience</i> , 2008, 118, 1582-1593.	1.6	188
9	Loss of white matter integrity in major depressive disorder: Evidence using tract-based spatial statistical analysis of diffusion tensor imaging. <i>Human Brain Mapping</i> , 2011, 32, 2161-2171.	3.6	180
10	The Relationship Between Frontal Gray Matter Volume and Cognition Varies Across the Healthy Adult Lifespan. <i>American Journal of Geriatric Psychiatry</i> , 2006, 14, 823-833.	1.2	170
11	Amygdala Reactivity to Emotional Faces in the Prediction of General and Medication-Specific Responses to Antidepressant Treatment in the Randomized iSPOT-D Trial. <i>Neuropsychopharmacology</i> , 2015, 40, 2398-2408.	5.4	168
12	Progressive grey matter atrophy over the first 2-3 years of illness in first-episode schizophrenia: A tensor-based morphometry study. <i>NeuroImage</i> , 2006, 32, 511-519.	4.2	151
13	Regional White Matter and Neuropsychological Functioning across the Adult Lifespan. <i>Biological Psychiatry</i> , 2006, 60, 444-453.	1.3	147
14	Testing the white matter retrogenesis hypothesis of cognitive aging. <i>Neurobiology of Aging</i> , 2012, 33, 1699-1715.	3.1	139
15	Fast, high-resolution in vivo cine magnetic resonance imaging in normal and failing mouse hearts on a vertical 11.7 T system. <i>Journal of Magnetic Resonance Imaging</i> , 2003, 18, 691-701.	3.4	134
16	Diffusion tensor imaging predictors of treatment outcomes in major depressive disorder. <i>British Journal of Psychiatry</i> , 2014, 205, 321-328.	2.8	126
17	Assessment of motion gating strategies for mouse magnetic resonance at high magnetic fields. <i>Journal of Magnetic Resonance Imaging</i> , 2004, 19, 229-237.	3.4	121
18	Disturbances in selective information processing associated with the BDNF Val66Met polymorphism: Evidence from cognition, the P300 and fronto-hippocampal systems. <i>Biological Psychology</i> , 2009, 80, 176-188.	2.2	117

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19	Frontoparietal Activation During Response Inhibition Predicts Remission to Antidepressants in Patients With Major Depression. <i>Biological Psychiatry</i> , 2016, 79, 274-281.	1.3	116
20	Using Standardized fMRI Protocols to Identify Patterns of Prefrontal Circuit Dysregulation that are Common and Specific to Cognitive and Emotional Tasks in Major Depressive Disorder: First Wave Results from the iSPOT-D Study. <i>Neuropsychopharmacology</i> , 2013, 38, 863-871.	5.4	113
21	Chronic cigarette smoking and the microstructural integrity of white matter in healthy adults: A diffusion tensor imaging study. <i>Nicotine and Tobacco Research</i> , 2008, 10, 137-147.	2.6	111
22	Hippocampal volume varies with educational attainment across the life-span. <i>Frontiers in Human Neuroscience</i> , 2012, 6, 307.	2.0	109
23	Body mass index and brain structure in healthy children and adolescents. <i>International Journal of Neuroscience</i> , 2014, 124, 49-55.	1.6	100
24	COMT Val108/158Met polymorphism effects on emotional brain function and negativity bias. <i>NeuroImage</i> , 2010, 53, 918-925.	4.2	98
25	Higher education is an age-independent predictor of white matter integrity and cognitive control in late adolescence. <i>Developmental Science</i> , 2013, 16, 653-664.	2.4	88
26	Volumetric White Matter Abnormalities in First-Episode Schizophrenia: A Longitudinal, Tensor-Based Morphometry Study. <i>American Journal of Psychiatry</i> , 2007, 164, 1082-1089.	7.2	83
27	Revealing the Hippocampal Connectome through Super-Resolution 1150-Direction Diffusion MRI. <i>Scientific Reports</i> , 2019, 9, 2418.	3.3	82
28	Diffusion tensor imaging of the corpus callosum: a cross-sectional study across the lifespan. <i>International Journal of Developmental Neuroscience</i> , 2007, 25, 215-221.	1.6	81
29	Brain derived neurotrophic factor Val66Met polymorphism, the five factor model of personality and hippocampal volume: Implications for depressive illness. <i>Human Brain Mapping</i> , 2009, 30, 1246-1256.	3.6	78
30	The relationship between early life stress and microstructural integrity of the corpus callosum in a non-clinical population. <i>Neuropsychiatric Disease and Treatment</i> , 2008, 4, 193.	2.2	73
31	Cognitive control network anatomy correlates with neurocognitive behavior: A longitudinal study. <i>Human Brain Mapping</i> , 2017, 38, 631-643.	3.6	73
32	Impact of the HTR3A gene with early life trauma on emotional brain networks and depressed mood. <i>Depression and Anxiety</i> , 2010, 27, 752-759.	4.1	69
33	COGNITION-CHILDHOOD MALTREATMENT INTERACTIONS IN THE PREDICTION OF ANTIDEPRESSANT OUTCOMES IN MAJOR DEPRESSIVE DISORDER PATIENTS: RESULTS FROM THE iSPOT-D TRIAL. <i>Depression and Anxiety</i> , 2015, 32, 594-604.	4.1	64
34	A Trial of Extending Hemodialysis Hours and Quality of Life. <i>Journal of the American Society of Nephrology: JASN</i> , 2017, 28, 1898-1911.	6.1	62
35	Relative contributions of the cerebellar vermis and prefrontal lobe volumes on cognitive function across the adult lifespan. <i>Neurobiology of Aging</i> , 2009, 30, 457-465.	3.1	56
36	Regional heterogeneity in limbic maturational changes: Evidence from integrating cortical thickness, volumetric and diffusion tensor imaging measures. <i>NeuroImage</i> , 2011, 55, 868-879.	4.2	55

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37	A disproportionate contribution of papillary muscles and trabeculations to total left ventricular mass makes choice of cardiovascular magnetic resonance analysis technique critical in Fabry disease. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 22.	3.3	55
38	Mapping inter-regional connectivity of the entire cortex to characterize major depressive disorder. <i>NeuroReport</i> , 2012, 23, 566-571.	1.2	54
39	Magnetic Resonance Imaging Measures of Brain Structure to Predict Antidepressant Treatment Outcome in Major Depressive Disorder. <i>EBioMedicine</i> , 2015, 2, 37-45.	6.1	53
40	Differences in the BOLD fMRI response to direct and indirect cortical stimulation in the rat. <i>Magnetic Resonance in Medicine</i> , 2003, 49, 838-847.	3.0	51
41	Silent Brain Infarcts Following Cardiac Procedures: A Systematic Review and Meta-Analysis. <i>Journal of the American Heart Association</i> , 2019, 8, e010920.	3.7	49
42	Silent brain infarcts and early cognitive outcomes after transcatheter aortic valve implantation: a systematic review and meta-analysis. <i>European Heart Journal</i> , 2021, 42, 1004-1015.	2.2	49
43	THE INTEGRATE MODEL OF EMOTION, THINKING AND SELF REGULATION: AN APPLICATION TO THE "PARADOX OF AGING". <i>Journal of Integrative Neuroscience</i> , 2008, 07, 367-404.	1.7	48
44	Neurocognitive and Psychiatric Issues Post Cardiac Surgery. <i>Heart Lung and Circulation</i> , 2017, 26, 779-785.	0.4	48
45	High-resolution, high-throughput magnetic resonance imaging of mouse embryonic anatomy using a fast gradient-echo sequence. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2003, 16, 43-51.	2.0	47
46	Ultrasmall superparamagnetic iron oxide nanoparticle prelabelling of human neural precursor cells. <i>Biomaterials</i> , 2014, 35, 5549-5564.	11.4	47
47	Use of multi-velocity encoding 4D flow MRI to improve quantification of flow patterns in the aorta. <i>Journal of Magnetic Resonance Imaging</i> , 2016, 43, 352-363.	3.4	47
48	Cardiac involvement in genotype-positive Fabry disease patients assessed by cardiovascular MR. <i>Heart</i> , 2016, 102, 298-302.	2.9	46
49	Gestational stress induces the unfolded protein response, resulting in heart defects. <i>Development (Cambridge)</i> , 2016, 143, 2561-2572.	2.5	45
50	Early Life Stress on Brain Structure and Function Across the Lifespan: A Preliminary Study. <i>Brain Imaging and Behavior</i> , 2008, 2, 49-58.	2.1	44
51	Subcortical hyperintensities impact cognitive function among a select subset of healthy elderly. <i>Archives of Clinical Neuropsychology</i> , 2005, 20, 697-704.	0.5	41
52	Structural core of the executive control network: A high angular resolution diffusion MRI study. <i>Human Brain Mapping</i> , 2020, 41, 1226-1236.	3.6	40
53	Renal developmental defects resulting from in utero hypoxia are associated with suppression of ureteric β -catenin signaling. <i>Kidney International</i> , 2015, 87, 975-983.	5.2	39
54	Imaging predictors of remission to anti-depressant medications in major depressive disorder. <i>Journal of Affective Disorders</i> , 2015, 186, 134-144.	4.1	38

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55	Platelet-derived growth factor-AB improves scar mechanics and vascularity after myocardial infarction. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	37
56	Thalamic volume and thalamo-cortical white matter tracts correlate with motor and verbal memory performance. <i>NeuroImage</i> , 2014, 91, 77-83.	4.2	36
57	Biobanking for discovery of novel cardiovascular biomarkers using imaging-quantified disease burden: protocol for the longitudinal, prospective, BioHEART-CT cohort study. <i>BMJ Open</i> , 2019, 9, e028649.	1.9	36
58	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, spcone.	3.4	35
59	Regular Cocaine Use Is Associated with Increased Systolic Blood Pressure, Aortic Stiffness and Left Ventricular Mass in Young Otherwise Healthy Individuals. <i>PLoS ONE</i> , 2014, 9, e89710.	2.5	35
60	Brain imaging predictors and the international study to predict optimized treatment for depression: study protocol for a randomized controlled trial. <i>Trials</i> , 2013, 14, 224.	1.6	34
61	Brain Volumetrics, Regional Cortical Thickness and Radiographic Findings in Adults with Cyanotic Congenital Heart Disease. <i>NeuroImage: Clinical</i> , 2014, 4, 319-325.	2.7	34
62	Elimination of Nyquist ghosting caused by read-out to phase-encode gradient cross-terms in EPI. <i>Magnetic Resonance in Medicine</i> , 2002, 47, 337-343.	3.0	33
63	Tractography of the Brainstem in Major Depressive Disorder Using Diffusion Tensor Imaging. <i>PLoS ONE</i> , 2014, 9, e84825.	2.5	33
64	Microvascular Obstruction by Intracoronary Delivery of Mesenchymal Stem Cells and Quantification of Resulting Myocardial Infarction by Cardiac Magnetic Resonance. <i>Circulation: Heart Failure</i> , 2010, 3, e5-6.	3.9	32
65	Potential structural and functional biomarkers of upper motor neuron dysfunction in ALS. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2016, 17, 85-92.	1.7	32
66	EEG connectivity between the subgenual anterior cingulate and prefrontal cortices in response to antidepressant medication. <i>European Neuropsychopharmacology</i> , 2017, 27, 301-312.	0.7	32
67	Intracardiac 4D Flow MRI in Congenital Heart Disease: Recommendations on Behalf of the ISMRM Flow & Motion Study Group. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 50, 677-681.	3.4	32
68	Functional genomics and gene-environment interaction highlight the complexity of congenital heart disease caused by Notch pathway variants. <i>Human Molecular Genetics</i> , 2020, 29, 566-579.	2.9	32
69	Oriental order of Australian spider silks as determined by solid-state NMR. <i>Biopolymers</i> , 2006, 82, 134-143.	2.4	31
70	Early Exposure to Traumatic Stressors Impairs Emotional Brain Circuitry. <i>PLoS ONE</i> , 2013, 8, e75524.	2.5	31
71	Insight into hypertrophied hearts: a cardiovascular magnetic resonance study of papillary muscle mass and T1 mapping. <i>European Heart Journal Cardiovascular Imaging</i> , 2017, 18, 1034-1040.	1.2	31
72	Clinical imaging of hypoxia: Current status and future directions. <i>Free Radical Biology and Medicine</i> , 2018, 126, 296-312.	2.9	31

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73	4D flow magnetic resonance imaging: role in pediatric congenital heart disease. <i>Asian Cardiovascular and Thoracic Annals</i> , 2018, 26, 28-37.	0.5	30
74	Amygdala Activation and Connectivity to Emotional Processing Distinguishes Asymptomatic Patients With Bipolar Disorders and Unipolar Depression. <i>Biological Psychiatry: Cognitive Neuroscience and Neuroimaging</i> , 2019, 4, 361-370.	1.5	30
75	Diffusion kurtosis and quantitative susceptibility mapping MRI are sensitive to structural abnormalities in amyotrophic lateral sclerosis. <i>NeuroImage: Clinical</i> , 2019, 24, 101953.	2.7	29
76	Characterizing the Risk of Depression Following Mild Traumatic Brain Injury: A Meta-Analysis of the Literature Comparing Chronic mTBI to Non-mTBI Populations. <i>Frontiers in Neurology</i> , 2020, 11, 350.	2.4	29
77	Prediction of Nonremission to Antidepressant Therapy Using Diffusion Tensor Imaging. <i>Journal of Clinical Psychiatry</i> , 2016, 77, e436-e443.	2.2	29
78	Impact of obesity and epicardial fat on early left atrial dysfunction assessed by cardiac MRI strain analysis. <i>Cardiovascular Diabetology</i> , 2016, 15, 164.	6.8	28
79	Investigation of MCPH1 G37995C and ASPM A44871G polymorphisms and brain size in a healthy cohort. <i>NeuroImage</i> , 2007, 37, 394-400.	4.2	27
80	Urinary albumin levels in the normal range determine arterial wall thickness in adults with Type 2 diabetes: a FIELD substudy. <i>Diabetic Medicine</i> , 2005, 22, 1558-1565.	2.3	26
81	Selective Inhibition of the Master Regulator Transcription Factor Egr1 With Catalytic Oligonucleotides Reduces Myocardial Injury and Improves Left Ventricular Systolic Function in a Preclinical Model of Myocardial Infarction. <i>Journal of the American Heart Association</i> , 2013, 2, e000023.	3.7	26
82	Volumetric White Matter Abnormalities in First-Episode Schizophrenia: A Longitudinal, Tensor-Based Morphometry Study. <i>American Journal of Psychiatry</i> , 2007, 164, 1082.	7.2	26
83	Age-related changes of shape and flow dynamics in healthy adult aortas: A 4D flow MRI study. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 90-100.	3.4	25
84	Is the Alzheimer's disease cortical thickness signature a biological marker for memory?. <i>Brain Imaging and Behavior</i> , 2016, 10, 517-523.	2.1	24
85	Strong and weak binding of water to proteins studied by NMR triple-quantum filtered relaxation spectroscopy of 17O-water. <i>Biophysical Chemistry</i> , 1997, 67, 187-198.	2.8	23
86	Imaging of endolymphatic hydrops in Meniere's disease at 1.5 T using phase-sensitive inversion recovery: (1) Demonstration of feasibility and (2) overcoming the limitations of variable gadolinium absorption. <i>European Journal of Radiology</i> , 2012, 81, 331-338.	2.6	23
87	Relations between right ventricular morphology and clinical, electrical and genetic parameters in Brugada Syndrome. <i>PLoS ONE</i> , 2018, 13, e0195594.	2.5	23
88	MRI in Chronic Aortic Dissection: A Systematic Review and Future Directions. <i>Frontiers in Cardiovascular Medicine</i> , 2015, 2, 5.	2.4	22
89	Cognitive ability is associated with changes in the functional organization of the cognitive control brain network. <i>Human Brain Mapping</i> , 2018, 39, 5028-5038.	3.6	22
90	A computational framework for adjusting flow during peripheral extracorporeal membrane oxygenation to reduce differential hypoxia. <i>Journal of Biomechanics</i> , 2018, 79, 39-44.	2.1	22

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91	Investigating the neural basis of cognitive control dysfunction in mood disorders. <i>Bipolar Disorders</i> , 2020, 22, 286-295.	1.9	22
92	Profound and reproducible patterns of reduced regional gray matter characterize major depressive disorder. <i>Translational Psychiatry</i> , 2019, 9, 176.	4.8	21
93	Neurocognitive Dysfunction and Smaller Brain Volumes in Adolescents and Adults With a Fontan Circulation. <i>Circulation</i> , 2021, 143, 878-891.	1.6	21
94	Gender-specific structural abnormalities in major depressive disorder revealed by voxel-based analysis. <i>NeuroImage: Clinical</i> , 2019, 21, 101668.	2.7	20
95	Subclinical valve thrombosis in transcatheter aortic valve implantation: A systematic review and meta-analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, 1491-1499.e2.	0.8	20
96	Evaluation of aortic stenosis using cardiovascular magnetic resonance: a systematic review & meta-analysis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2020, 22, 45.	3.3	19
97	The effect of bulk susceptibility on murine snapshot imaging at 7.0 T: A comparison of snapshot imaging techniques. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 747-755.	3.0	18
98	Cardiac Thrombi in Stress (Tako-Tsubo) Cardiomyopathy: More Than an Apical Issue?. <i>Mayo Clinic Proceedings</i> , 2010, 85, 863-864.	3.0	17
99	Cardiac magnetic resonance imaging of rapid VCAM-1 up-regulation in myocardial ischemia-reperfusion injury. <i>European Biophysics Journal</i> , 2013, 42, 61-70.	2.2	17
100	Less Waste on Waist Measurements: Determination of Optimal Waist Circumference Measurement Site to Predict Visceral Adipose Tissue in Postmenopausal Women with Obesity. <i>Nutrients</i> , 2018, 10, 239.	4.1	17
101	Collaborative research networks in health: a pragmatic scoping study for the development of an imaging network. <i>Health Research Policy and Systems</i> , 2015, 13, 76.	2.8	16
102	Metabolic Signatures in Coronary Artery Disease: Results from the BioHEART-CT Study. <i>Cells</i> , 2021, 10, 980.	4.1	16
103	Multiple-quantum filtered ¹⁷ O and ²³ Na NMR analysis of mitochondrial suspensions. <i>Biophysical Chemistry</i> , 1998, 73, 137-143.	2.8	15
104	A negative association between brainstem pontine grey-matter volume, well-being and resilience in healthy twins. <i>Journal of Psychiatry and Neuroscience</i> , 2018, 43, 386-395.	2.4	15
105	Stoichiometric Relationship between Na ⁺ Ions Transported and Glucose Consumed in Human Erythrocytes: Bayesian Analysis of ²³ Na and ¹³ C NMR Time Course Data. <i>Biophysical Journal</i> , 2013, 104, 1676-1684.	0.5	14
106	Spatial resolution and velocity field improvement of 4D flow MRI. <i>Magnetic Resonance in Medicine</i> , 2017, 78, 1959-1968.	3.0	14
107	Is occipital bending a structural biomarker of risk for depression and sensitivity to treatment?. <i>Journal of Clinical Neuroscience</i> , 2019, 63, 55-61.	1.5	14
108	Longitudinal changes in neuroanatomy and neural activity in early schizophrenia. <i>NeuroReport</i> , 2007, 18, 435-439.	1.2	13

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109	Gene-environment interaction demonstrates the vulnerability of the embryonic heart. <i>Developmental Biology</i> , 2014, 391, 99-110.	2.0	13
110	3-Year effect of weight loss via severe versus moderate energy restriction on body composition among postmenopausal women with obesity - the TEMPO Diet Trial. <i>Heliyon</i> , 2020, 6, e04007.	3.2	13
111	NMR triple-quantum filtered relaxation analysis of 17O-water in insulin solutions: an insight into the aggregation of insulin and the properties of its bound water. <i>Biophysical Chemistry</i> , 1998, 70, 231-239.	2.8	12
112	Gray Matter Atrophy in the Cerebellum—Evidence of Increased Vulnerability of the Crus and Vermis with Advancing Age. <i>Cerebellum</i> , 2017, 16, 388-397.	2.5	11
113	Characteristic patterns of white matter tract injury in sport-related concussion: An image based meta-analysis. <i>NeuroImage: Clinical</i> , 2020, 26, 102253.	2.7	11
114	Oral pre-treatment with thiocyanate (SCN ⁻) protects against myocardial ischaemia-reperfusion injury in rats. <i>Scientific Reports</i> , 2021, 11, 12712.	3.3	11
115	Precision Medicine in Ossiculoplasty. <i>Otology and Neurotology</i> , 2021, 42, e177-e185.	1.3	11
116	Quantifying right atrial filling and emptying: A 4D-flow MRI study. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1046-1054.	3.4	10
117	Toward personalised diffusion MRI in psychiatry: improved delineation of fibre bundles with the highest-ever angular resolution in vivo tractography. <i>Translational Psychiatry</i> , 2018, 8, 91.	4.8	10
118	Cocaine-induced myocardial injury seen as multiple mid-wall foci of late enhancement by contrast-enhanced cardiac magnetic resonance imaging. <i>European Heart Journal</i> , 2010, 31, 1422-1422.	2.2	9
119	Cocaine-induced epicardial coronary artery thrombosis resulting in extensive myocardial injury assessed by cardiac magnetic resonance imaging. <i>European Heart Journal</i> , 2010, 31, 2446-2446.	2.2	9
120	Cardiac Magnetic Resonance Imaging for the Interventional Cardiologist. <i>JACC: Cardiovascular Interventions</i> , 2011, 4, 137-148.	2.9	9
121	Clinical Utility of Magnetic Resonance Imaging in the Follow-up of Chronic Aortic Type B Dissection. <i>Heart Lung and Circulation</i> , 2014, 23, e157-e159.	0.4	9
122	A commonly occurring polymorphism upstream of the estrogen receptor alpha alters transcription and is associated with increased HDL. <i>Atherosclerosis</i> , 2008, 199, 354-361.	0.8	8
123	Rugby Player's Aorta: Alarming Prevalence of Ascending Aortic Dilatation and Effacement in Elite Rugby Players. <i>Heart Lung and Circulation</i> , 2020, 29, 196-201.	0.4	8
124	Replicable brain signatures of emotional bias and memory based on diffusion kurtosis imaging of white matter tracts. <i>Human Brain Mapping</i> , 2020, 41, 1274-1285.	3.6	8
125	Predictors of Change in Left-Ventricular Structure and Function in a Trial of Extended Hours Hemodialysis. <i>Journal of Cardiac Failure</i> , 2020, 26, 482-491.	1.7	8
126	NEURAL SYNCHRONY AND GRAY MATTER VARIATION IN HUMAN MALES AND FEMALES: AN INTEGRATION OF 40 HZ GAMMA SYNCHRONY AND MRI MEASURES. <i>Journal of Integrative Neuroscience</i> , 2005, 04, 77-93.	1.7	7

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127	Automated Quantification of Myocardial Salvage in a Rat Model of Ischemia-â€Reperfusion Injury Using 3D High-Resolution Magnetic Resonance Imaging (MRI). <i>Journal of the American Heart Association</i> , 2014, 3, .	3.7	7
128	Multi-Velocity Encoding Four-Dimensional Flow Magnetic Resonance Imaging in the Assessment of Chronic Aortic Dissection. <i>Aorta</i> , 2017, 05, 80-90.	0.5	7
129	Diffusion kurtosis imaging detects subclinical white matter abnormalities in Phenylketonuria. <i>NeuroImage: Clinical</i> , 2021, 29, 102555.	2.7	7
130	Patient Endothelial Colony-Forming Cells to Model Coronary Artery Disease Susceptibility and Unravel the Role of Dysregulated Mitochondrial Redox Signalling. <i>Antioxidants</i> , 2021, 10, 1547.	5.1	7
131	Diffusion MRI as a complementary assessment to cognition, emotion, and motor dysfunction after sports-related concussion: a systematic review and critical appraisal of the literature. <i>Brain Imaging and Behavior</i> , 2021, 15, 1685-1704.	2.1	6
132	17O NMR of water in ordered environments. <i>Biophysical Chemistry</i> , 1998, 73, 129-136.	2.8	5
133	Constrictive Pericarditis Diagnosed by Cardiac Magnetic Resonance. <i>Journal of the American College of Cardiology</i> , 2010, 56, e39.	2.8	5
134	New Onset Atrial Fibrillation Following Transcatheter and Surgical Aortic Valve-â€Replacement: A Systematic Review-â€and Meta-Analysis. <i>Heart Lung and Circulation</i> , 2020, 29, 1542-1553.	0.4	5
135	Characterization of Effective Orifice Areas of Mitral Prosthetic Heart Valves: An In-Vitro Study. <i>Journal of Heart Valve Disease</i> , 2017, 26, 677-687.	0.5	5
136	Visualizing pericardial inflammation in Dressler's syndrome with cardiac magnetic resonance imaging. <i>International Journal of Cardiology</i> , 2013, 168, e32-e33.	1.7	4
137	4D Multi-VENC Cardiac MRI: Characterisation of a Functional Stenosis of the Ascending Aorta. <i>Heart Lung and Circulation</i> , 2015, 24, 1134-1135.	0.4	4
138	Right ventricular energetics and power in pulmonary regurgitation vs. stenosis using four-dimensional phase-contrast magnetic resonance. <i>International Journal of Cardiology</i> , 2018, 263, 165-170.	1.7	4
139	Medical imaging education opportunities for junior doctors and non-radiologist clinicians: A review. <i>Journal of Medical Imaging and Radiation Oncology</i> , 2021, 65, 710-718.	1.8	4
140	Coronary artery disease burden in women poorly explained by traditional risk factors: Sex disaggregated analyses from the BioHEART-CT study. <i>Atherosclerosis</i> , 2021, 333, 100-107.	0.8	4
141	Syringomyelia: A rare extracardiac contributor to syncope detected incidentally by CMR. <i>International Journal of Cardiology</i> , 2011, 150, e62-e64.	1.7	3
142	Advances in Neuroimaging and Monitoring to Defend Cerebral Perfusion in Noncardiac Surgery. <i>Anesthesiology</i> , 2022, 136, 1015-1038.	2.5	3
143	Electromagnetic characterisation of MR RF coils using the transmission-line modelling method. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2002, 14, 20-29.	2.0	2
144	Utility of cardiac magnetic resonance in assessing right-sided heart failure in sarcoidosis. <i>BMC Medical Imaging</i> , 2013, 13, 2.	2.7	2

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145	Cardiac Magnetic Resonance Imaging Predictors of Short-Term Outcomes after High Risk Coronary Surgery. <i>Heart Lung and Circulation</i> , 2016, 25, 613-619.	0.4	2
146	Incremental Diagnostic Value of Magnetic Resonance Imaging in the Characterization of a Cardiac Mass. <i>Journal of the American College of Cardiology</i> , 2011, 58, e19.	2.8	1
147	Micromyocardial infarction in apical hypertrophic cardiomyopathy with obliterative coronary artery bridging. <i>International Journal of Cardiology</i> , 2011, 151, e24-e25.	1.7	1
148	Visualizing pericardial inflammation as the cause of acute chest pain in a patient with a congenital pericardial cyst: the incremental diagnostic value of cardiac magnetic resonance. <i>European Heart Journal</i> , 2013, 34, 1413-1413.	2.2	1
149	Cardiovascular magnetic resonance, mitral regurgitation and outcomes: the importance of accurate assessment in an era of increasing intervention. <i>Journal of Thoracic Disease</i> , 2016, 8, E1053-E1056.	1.4	1
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