

Penny Ann Gowland

List of Publications by Year in descending order

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456
papers

19,034
citations

12330

69
h-index

23533

111
g-index

477
all docs

477
docs citations

477
times ranked

20930
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlated gene expression supports synchronous activity in brain networks. <i>Science</i> , 2015, 348, 1241-1244.	12.6	532
2	The genetic architecture of the human cerebral cortex. <i>Science</i> , 2020, 367, .	12.6	450
3	Effect of meal viscosity and nutrients on satiety, intragastric dilution, and emptying assessed by MRI. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 280, G1227-G1233.	3.4	394
4	Neuropsychosocial profiles of current and future adolescent alcohol misusers. <i>Nature</i> , 2014, 512, 185-189.	27.8	368
5	Quantification of Gastrointestinal Liquid Volumes and Distribution Following a 240 mL Dose of Water in the Fasted State. <i>Molecular Pharmaceutics</i> , 2014, 11, 3039-3047.	4.6	360
6	Differential Effects of FODMAPs (Fermentable Oligo-, Di-, Mono-Saccharides and Polyols) on Small and Large Intestinal Contents in Healthy Subjects Shown by MRI. <i>American Journal of Gastroenterology</i> , 2014, 109, 110-119.	0.4	282
7	The "Swallow Tail"™ Appearance of the Healthy Nigrosome " A New Accurate Test of Parkinson's Disease: A Case-Control and Retrospective Cross-Sectional MRI Study at 3T. <i>PLoS ONE</i> , 2014, 9, e93814.	2.5	252
8	A three-year follow-up of children imaged in utero with echo-planar magnetic resonance. <i>American Journal of Obstetrics and Gynecology</i> , 1994, 170, 32-33.	1.3	243
9	fMRI at 1.5, 3 and 7 T: Characterising BOLD signal changes. <i>NeuroImage</i> , 2009, 47, 1425-1434.	4.2	240
10	The Brain's Response to Reward Anticipation and Depression in Adolescence: Dimensionality, Specificity, and Longitudinal Predictions in a Community-Based Sample. <i>American Journal of Psychiatry</i> , 2015, 172, 1215-1223.	7.2	237
11	In Vivo Imaging of Intragastric Gelation and Its Effect on Satiety in Humans. <i>Journal of Nutrition</i> , 2004, 134, 2293-2300.	2.9	233
12	Water proton T1 measurements in brain tissue at 7, 3, and 1.5T using IR-EPI, IR-TSE, and MPRAGE: results and optimization. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2008, 21, 121-130.	2.0	222
13	Colon Hypersensitivity to Distension, Rather Than Excessive Gas Production, Produces Carbohydrate-Related Symptoms in Individuals With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2017, 152, 124-133.e2.	1.3	222
14	A three-year follow-up of children imaged in utero with echo-planar magnetic resonance. <i>American Journal of Obstetrics and Gynecology</i> , 1994, 170, 32-33.	1.3	217
15	Gastric Response to Increased Meal Viscosity Assessed by Echo-Planar Magnetic Resonance Imaging in Humans. <i>Journal of Nutrition</i> , 2000, 130, 122-127.	2.9	216
16	Visualization of nigrosome 1 and its loss in PD. <i>Neurology</i> , 2013, 81, 534-540.	1.1	208
17	Cerebrovascular and blood-brain barrier impairments in Huntington's disease: Potential implications for its pathophysiology. <i>Annals of Neurology</i> , 2015, 78, 160-177.	5.3	204
18	Effects of bowel cleansing on the intestinal microbiota. <i>Gut</i> , 2015, 64, 1562-1568.	12.1	201

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19	T2* measurements in human brain at 1.5, 3 and 7 T. <i>Magnetic Resonance Imaging</i> , 2007, 25, 748-753.	1.8	198
20	High resolution magnetic susceptibility mapping of the substantia nigra in Parkinson's disease. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 48-55.	3.4	189
21	Postprandial Changes in Small Bowel Water Content in Healthy Subjects and Patients With Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2010, 138, 469-477.e1.	1.3	184
22	Magnetic-field-induced vertigo: A theoretical and experimental investigation. <i>Bioelectromagnetics</i> , 2007, 28, 349-361.	1.6	165
23	Assessment of antral grinding of a model solid meal with echo-planar imaging. <i>American Journal of Physiology - Renal Physiology</i> , 2001, 280, G844-G849.	3.4	160
24	Early Cannabis Use, Polygenic Risk Score for Schizophrenia and Brain Maturation in Adolescence. <i>JAMA Psychiatry</i> , 2015, 72, 1002.	11.0	156
25	Effect of intragastric acid stability of fat emulsions on gastric emptying, plasma lipid profile and postprandial satiety. <i>British Journal of Nutrition</i> , 2009, 101, 919-928.	2.3	144
26	Human subcortical brain asymmetries in 15,847 people worldwide reveal effects of age and sex. <i>Brain Imaging and Behavior</i> , 2017, 11, 1497-1514.	2.1	144
27	Enhancement of intragastric acid stability of a fat emulsion meal delays gastric emptying and increases cholecystokinin release and gallbladder contraction. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, G1607-G1613.	3.4	134
28	Fetal weight estimation by echo-planar magnetic resonance imaging. <i>Lancet, The</i> , 1994, 343, 644-645.	13.7	133
29	Field strength dependence of $R_{1\rho}$ and R_2 relaxivities of human whole blood to prohance, vasovist, and deoxyhemoglobin. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1313-1320.	3.0	126
30	Infants exposed to MRI in utero have a normal paediatric assessment at 9 months of age.. <i>British Journal of Radiology</i> , 2000, 73, 190-194.	2.2	125
31	Failure to detect intrauterine growth restriction following in utero exposure to MRI.. <i>British Journal of Radiology</i> , 1998, 71, 549-551.	2.2	123
32	Dynamic studies of gadolinium uptake in brain tumors using inversion-recovery echo-planar imaging. <i>Magnetic Resonance in Medicine</i> , 1992, 26, 241-258.	3.0	122
33	Fetal brain activity demonstrated by functional magnetic resonance imaging. <i>Lancet, The</i> , 1999, 354, 645-646.	13.7	120
34	Tailored RF pulse for magnetization inversion at ultrahigh field. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 51-58.	3.0	120
35	Fasting and postprandial volumes of the undisturbed colon: normal values and changes in diarrhoea-predominant irritable bowel syndrome measured using serial ρ -MRI. <i>Neurogastroenterology and Motility</i> , 2014, 26, 124-130.	3.0	117
36	Gastric emptying of three liquid oral preoperative metabolic preconditioning regimens measured by magnetic resonance imaging in healthy adult volunteers: A randomised double-blind, crossover study. <i>Clinical Nutrition</i> , 2009, 28, 636-641.	5.0	114

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37	fMRI signal decreases in ipsilateral primary motor cortex during unilateral hand movements are related to duration and side of movement. <i>NeuroImage</i> , 2005, 24, 1080-1087.	4.2	111
38	Using magnetic field simulation to study susceptibility-related phase contrast in gradient echo MRI. <i>NeuroImage</i> , 2009, 48, 126-137.	4.2	108
39	In utero Perfusing Fraction Maps in Normal and Growth Restricted Pregnancy Measured Using IVIM Echo-Planar MRI. <i>Placenta</i> , 2000, 21, 726-732.	1.5	107
40	Periods of rest in fMRI contain individual spontaneous events which are related to slowly fluctuating spontaneous activity. <i>Human Brain Mapping</i> , 2013, 34, 1319-1329.	3.6	107
41	Neural and Cognitive Correlates of the Common and Specific Variance Across Externalizing Problems in Young Adolescence. <i>American Journal of Psychiatry</i> , 2014, 171, 1310-1319.	7.2	107
42	Assessment of Fetal Lung Growth in Utero with Echo-planar MR Imaging. <i>Radiology</i> , 1999, 210, 197-200.	7.3	101
43	Accurate measurement of T1 in vivo in less than 3 seconds using echo-planar imaging. <i>Magnetic Resonance in Medicine</i> , 1993, 30, 351-354.	3.0	100
44	Fetal brain activity in response to a visual stimulus. <i>Human Brain Mapping</i> , 2003, 20, 239-245.	3.6	100
45	A study of T_1 relaxation time as a measure of liver fibrosis and the influence of confounding histological factors. <i>NMR in Biomedicine</i> , 2015, 28, 706-714.	2.8	100
46	Comparing GABA-dependent physiological measures of inhibition with proton magnetic resonance spectroscopy measurement of GABA using ultra-high-field MRI. <i>NeuroImage</i> , 2017, 152, 360-370.	4.2	100
47	Antenatal determination of fetal brain activity in response to an acoustic stimulus using functional magnetic resonance imaging. <i>Human Brain Mapping</i> , 2001, 12, 94-99.	3.6	99
48	Non-invasive mapping of placental perfusion. <i>Lancet</i> , The, 1998, 351, 1397-1399.	13.7	97
49	Antral motility measurements by magnetic resonance imaging. <i>Neurogastroenterology and Motility</i> , 2001, 13, 511-518.	3.0	97
50	An assessment of the intrauterine sound intensity level during obstetric echo-planar magnetic resonance imaging. <i>British Journal of Radiology</i> , 1995, 68, 1090-1094.	2.2	96
51	Relationships between cortical myeloarchitecture and electrophysiological networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13510-13515.	7.1	96
52	Investigation of alginate beads for gastro-intestinal functionality, Part 1: In vitro characterisation. <i>Food Hydrocolloids</i> , 2009, 23, 816-822.	10.7	95
53	Magnetization transfer phenomenon in the human brain at 7T. <i>NeuroImage</i> , 2010, 49, 272-281.	4.2	92
54	An improved method for acquiring cerebrovascular reactivity maps. <i>Magnetic Resonance in Medicine</i> , 2011, 65, 1278-1286.	3.0	91

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55	Focal CA3 hippocampal subfield atrophy following LGI1 VGKC-complex antibody limbic encephalitis. <i>Brain</i> , 2017, 140, 1212-1219.	7.6	89
56	MRI detection of weak magnetic fields due to an extended current dipole in a conducting sphere: A model for direct detection of neuronal currents in the brain. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 40-49.	3.0	88
57	Blunted ventral striatal responses to anticipated rewards foreshadow problematic drug use in novelty-seeking adolescents. <i>Nature Communications</i> , 2017, 8, 14140.	12.8	87
58	In vivo intravoxel incoherent motion measurements in the human placenta using echo-planar imaging at 0.5 T. <i>Magnetic Resonance in Medicine</i> , 2000, 43, 295-302.	3.0	86
59	Association of placental perfusion, as assessed by magnetic resonance imaging and uterine artery Doppler ultrasound, and its relationship to pregnancy outcome. <i>Placenta</i> , 2013, 34, 885-891.	1.5	86
60	Estimation of Fetal Lung Volume Using Echo-Planar Magnetic Resonance Imaging. <i>Obstetrics and Gynecology</i> , 1994, 83, 951-954.	2.4	85
61	Increased iron accumulation occurs in the earliest stages of demyelinating disease: an ultra-high field susceptibility mapping study in Clinically Isolated Syndrome. <i>Multiple Sclerosis Journal</i> , 2013, 19, 896-903.	3.0	83
62	Non-invasive quantification of small bowel water content by MRI: a validation study. <i>Physics in Medicine and Biology</i> , 2007, 52, 6909-6922.	3.0	82
63	Preventing Gastric Sieving by Blending a Solid/Water Meal Enhances Satiety in Healthy Humans. <i>Journal of Nutrition</i> , 2012, 142, 1253-1258.	2.9	82
64	Association of Cannabis Use During Adolescence With Neurodevelopment. <i>JAMA Psychiatry</i> , 2021, 78, 1031.	11.0	82
65	Theta power during encoding predicts subsequent memory performance and default mode network deactivation. <i>Human Brain Mapping</i> , 2013, 34, 2929-2943.	3.6	79
66	Measurement of fetal liver, brain and placental volumes with echo-planar magnetic resonance imaging. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1995, 102, 35-39.	2.3	77
67	Effect of a novel 5-HT ₃ receptor agonist MKC-733 on upper gastrointestinal motility in humans. <i>Alimentary Pharmacology and Therapeutics</i> , 2003, 18, 1039-1048.	3.7	76
68	Genetic variants associated with longitudinal changes in brain structure across the lifespan. <i>Nature Neuroscience</i> , 2022, 25, 421-432.	14.8	75
69	Delayed gastric emptying and reduced postprandial small bowel water content of equicaloric whole meal bread versus rice meals in healthy subjects: novel MRI insights. <i>European Journal of Clinical Nutrition</i> , 2013, 67, 754-758.	2.9	74
70	A low FODMAP diet is associated with changes in the microbiota and reduction in breath hydrogen but not colonic volume in healthy subjects. <i>PLoS ONE</i> , 2018, 13, e0201410.	2.5	74
71	Use of echo planar imaging to demonstrate the effect of posture on the intragastric distribution and emptying of an oil/water meal. <i>Neurogastroenterology and Motility</i> , 1997, 9, 41-47.	3.0	72
72	In vivo perfusion measurements in the human placenta using echo planar imaging at 0.5 T. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 467-473.	3.0	72

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73	2009 ISSLS Prize Winner: What Influence Does Sustained Mechanical Load Have on Diffusion in the Human Intervertebral Disc?. <i>Spine</i> , 2009, 34, 2324-2337.	2.0	71
74	The cortical response to the oral perception of fat emulsions and the effect of taster status. <i>Journal of Neurophysiology</i> , 2011, 105, 2572-2581.	1.8	71
75	Magnetic resonance imaging of the behaviour of oil-in-water emulsions in the gastric lumen of man. <i>British Journal of Nutrition</i> , 2006, 95, 331-339.	2.3	70
76	Grey Matter Volume Differences Associated with Extremely Low Levels of Cannabis Use in Adolescence. <i>Journal of Neuroscience</i> , 2019, 39, 1817-1827.	3.6	70
77	Mapping adolescent reward anticipation, receipt, and prediction error during the monetary incentive delay task. <i>Human Brain Mapping</i> , 2019, 40, 262-283.	3.6	69
78	Association of Protein Phosphatase <i>PPM1G</i> With Alcohol Use Disorder and Brain Activity During Behavioral Control in a Genome-Wide Methylation Analysis. <i>American Journal of Psychiatry</i> , 2015, 172, 543-552.	7.2	68
79	Cognitive and brain development is independently influenced by socioeconomic status and polygenic scores for educational attainment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12411-12418.	7.1	66
80	Maternal Smoking during Pregnancy and Fetal Organ Growth: A Magnetic Resonance Imaging Study. <i>PLoS ONE</i> , 2013, 8, e67223.	2.5	66
81	Optimization of the ultrafast look-locker echo-planar imaging T1 mapping sequence. <i>Magnetic Resonance Imaging</i> , 1998, 16, 765-772.	1.8	64
82	Fetal brain activity and hemodynamic response to a vibroacoustic stimulus. <i>Human Brain Mapping</i> , 2004, 22, 116-121.	3.6	64
83	Improved methods for fMRI studies of combined taste and aroma stimuli. <i>Journal of Neuroscience Methods</i> , 2006, 158, 186-194.	2.5	64
84	Combined White Matter Imaging Suggests Myelination Defects in Visual Processing Regions in Schizophrenia. <i>Neuropsychopharmacology</i> , 2013, 38, 1808-1815.	5.4	62
85	In vivo diffusion measurements as an indication of fetal lung maturation using echo planar imaging at 0.5T. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 247-253.	3.0	60
86	Theoretical optimization of multi-echo fMRI data acquisition. <i>Physics in Medicine and Biology</i> , 2007, 52, 1801-1813.	3.0	58
87	Cognitive effects of head-movements in stray fields generated by a 7 Tesla whole-body MRI magnet. <i>Bioelectromagnetics</i> , 2007, 28, 247-255.	1.6	58
88	The effect of hypercapnia on resting and stimulus induced MEG signals. <i>NeuroImage</i> , 2011, 58, 1034-1043.	4.2	57
89	Rsu1 regulates ethanol consumption in <i>Drosophila</i> and humans. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, E4085-93.	7.1	57
90	Single nucleotide polymorphism in the neuroplastin locus associates with cortical thickness and intellectual ability in adolescents. <i>Molecular Psychiatry</i> , 2015, 20, 263-274.	7.9	57

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91	Modeling and optimization of lookâ€­locker spin labeling for measuring perfusion and transit time changes in activation studies taking into account arterial blood volume. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 316-325.	3.0	56
92	Motion-related artefacts in EEG predict neuronally plausible patterns of activation in fMRI data. <i>NeuroImage</i> , 2012, 59, 261-270.	4.2	56
93	Novel <scp>MRI</scp> tests of orocecal transit time and whole gut transit time: studies in normal subjects. <i>Neurogastroenterology and Motility</i> , 2014, 26, 205-214.	3.0	56
94	Regional structural differences across functionally parcellated Brodmann areas of human primary somatosensory cortex. <i>NeuroImage</i> , 2014, 93, 221-230.	4.2	55
95	Structural correlates of formal thought disorder in schizophrenia: An ultra-high field multivariate morphometry study. <i>Schizophrenia Research</i> , 2015, 168, 305-312.	2.0	55
96	Placental MRI. <i>Seminars in Fetal and Neonatal Medicine</i> , 2005, 10, 485-490.	2.3	54
97	Cannabis use in early adolescence: Evidence of amygdala hypersensitivity to signals of threat. <i>Developmental Cognitive Neuroscience</i> , 2015, 16, 63-70.	4.0	54
98	Brain Regions Related to Impulsivity Mediate the Effects of Early Adversity on Antisocial Behavior. <i>Biological Psychiatry</i> , 2017, 82, 275-282.	1.3	54
99	Peer victimization and its impact on adolescent brain development and psychopathology. <i>Molecular Psychiatry</i> , 2020, 25, 3066-3076.	7.9	54
100	The empirical replicability of task-based fMRI as a function of sample size. <i>NeuroImage</i> , 2020, 212, 116601.	4.2	54
101	Sex Differences in COMT Polymorphism Effects on Prefrontal Inhibitory Control in Adolescence. <i>Neuropsychopharmacology</i> , 2014, 39, 2560-2569.	5.4	53
102	Neural basis of reward anticipation and its genetic determinants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3879-3884.	7.1	53
103	Association of placental T2 relaxation times and uterine artery Doppler ultrasound measures of placental blood flow. <i>Placenta</i> , 2013, 34, 474-479.	1.5	52
104	The investigation of placental relaxation and estimation of placental perfusion using echo-planar magnetic resonance imaging. <i>Placenta</i> , 1998, 19, 539-543.	1.5	51
105	In Vivo Relaxation Time Measurements in the Human Placenta Using Echo Planar Imaging at 0.5 T. <i>Magnetic Resonance Imaging</i> , 1998, 16, 241-247.	1.8	51
106	No Differences in Hippocampal Volume between Carriers and Non-Carriers of the ApoE ϵ 4 and ϵ 2 Alleles in Young Healthy Adolescents. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 37-43.	2.6	51
107	Association of a Schizophrenia-Risk Nonsynonymous Variant With Putamen Volume in Adolescents. <i>JAMA Psychiatry</i> , 2019, 76, 435.	11.0	51
108	Thresholds for perceiving metallic taste at high magnetic field. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 26, 1357-1361.	3.4	50

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109	Investigation of alginate beads for gastro-intestinal functionality, Part 2: In vivo characterisation. <i>Food Hydrocolloids</i> , 2009, 23, 833-839.	10.7	50
110	Fat Emulsion Intra-gastric Stability and Droplet Size Modulate Gastrointestinal Responses and Subsequent Food Intake in Young Adults. <i>Nitrogen. Journal of Nutrition</i> , 2015, 145, 1170-1177.	2.9	50
111	Genomic architecture of human neuroanatomical diversity. <i>Molecular Psychiatry</i> , 2015, 20, 1011-1016.	7.9	50
112	Detection and characterization of single-echo fMRI bold responses: Paradigm free mapping. <i>Human Brain Mapping</i> , 2011, 32, 1400-1418.	3.6	49
113	Structural brain correlates of adolescent resilience. <i>Journal of Child Psychology and Psychiatry and Allied Disciplines</i> , 2016, 57, 1287-1296.	5.2	49
114	Prediction of alcohol drinking in adolescents: Personality-traits, behavior, brain responses, and genetic variations in the context of reward sensitivity. <i>Biological Psychology</i> , 2016, 118, 79-87.	2.2	49
115	Colonic response to laxative ingestion as assessed by ¹ H-MRI differs in constipated irritable bowel syndrome compared to functional constipation. <i>Neurogastroenterology and Motility</i> , 2016, 28, 861-870.	3.0	49
116	Magnetic Resonance Imaging Quantification of Fasted State Colonic Liquid Pockets in Healthy Humans. <i>Molecular Pharmaceutics</i> , 2017, 14, 2629-2638.	4.6	49
117	Implementation of quantitative perfusion imaging using pulsed arterial spin labeling at ultra-high field. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 874-882.	3.0	48
118	Paradigm free mapping with sparse regression automatically detects single-echo functional magnetic resonance imaging blood oxygenation level dependent responses. <i>Human Brain Mapping</i> , 2013, 34, 501-518.	3.6	48
119	Demonstration of differences in colonic volumes, transit, chyme consistency, and response to psyllium between healthy and constipated subjects using magnetic resonance imaging. <i>Neurogastroenterology and Motility</i> , 2018, 30, e13400.	3.0	48
120	A comparison of fetal organ measurements by echo-planar magnetic resonance imaging and ultrasound. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2005, 112, 43-49.	2.3	47
121	Noninvasive measurement of arterial cerebral blood volume using look-locker EPI and arterial spin labeling. <i>Magnetic Resonance in Medicine</i> , 2007, 58, 41-54.	3.0	47
122	Incomplete Hippocampal Inversion: A Comprehensive MRI Study of Over 2000 Subjects. <i>Frontiers in Neuroanatomy</i> , 2015, 9, 160.	1.7	47
123	New evidence of factor structure and measurement invariance of the SDQ across five European nations. <i>European Child and Adolescent Psychiatry</i> , 2015, 24, 1523-1534.	4.7	47
124	Activation induced changes in GABA: Functional MRS at 7 T with MEGA-sLASER. <i>NeuroImage</i> , 2017, 156, 207-213.	4.2	47
125	Neural circuitry underlying sustained attention in healthy adolescents and in ADHD symptomatology. <i>NeuroImage</i> , 2018, 169, 395-406.	4.2	47
126	A Pilot Study of Event-Related Functional Magnetic Resonance Imaging of Monitored Wrist Movements in Patients With Partial Recovery. <i>Stroke</i> , 2002, 33, 2881-2887.	2.0	46

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127	The IMAGEN study: a decade of imaging genetics in adolescents. <i>Molecular Psychiatry</i> , 2020, 25, 2648-2671.	7.9	46
128	Initial attempts at directly detecting alpha wave activity in the brain using MRI. <i>Magnetic Resonance Imaging</i> , 2004, 22, 1413-1427.	1.8	45
129	Magnetic resonance imaging relaxation time measurements of the placenta at 1.5T. <i>Placenta</i> , 2011, 32, 1010-1015.	1.5	45
130	The changes in magnetic resonance properties of the fetal lungs: a first result and a potential tool for the non-invasive in utero demonstration of fetal lung maturation. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1999, 106, 122-125.	2.3	44
131	Temperature increase in the fetus due to radio frequency exposure during magnetic resonance scanning. <i>Physics in Medicine and Biology</i> , 2008, 53, L15-L18.	3.0	44
132	Stimulation of colonic motility by oral PEG electrolyte bowel preparation assessed by MRI: comparison of split vs single dose. <i>Neurogastroenterology and Motility</i> , 2014, 26, 1426-1436.	3.0	44
133	Uterine tissue development in healthy women during the normal menstrual cycle and investigations with magnetic resonance imaging. <i>American Journal of Obstetrics and Gynecology</i> , 2005, 192, 648-654.	1.3	42
134	Increased liver fat and glycogen stores after consumption of high versus low glycaemic index food: A randomized crossover study. <i>Diabetes, Obesity and Metabolism</i> , 2017, 19, 70-77.	4.4	42
135	Effects of various food ingredients on gall bladder emptying. <i>European Journal of Clinical Nutrition</i> , 2013, 67, 1182-1187.	2.9	41
136	Dual registration of abdominal motion for motility assessment in free-breathing data sets acquired using dynamic MRI. <i>Physics in Medicine and Biology</i> , 2014, 59, 4603-4619.	3.0	41
137	Subthreshold Depression and Regional Brain Volumes in Young Community Adolescents. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2015, 54, 832-840.	0.5	41
138	Additive effects of gastric volumes and macronutrient composition on the sensation of postprandial fullness in humans. <i>European Journal of Clinical Nutrition</i> , 2015, 69, 380-384.	2.9	41
139	Fast and accurate measurements of T1 using a multi-readout single inversion-recovery sequence. <i>Magnetic Resonance in Medicine</i> , 1992, 26, 79-88.	3.0	40
140	Phase vs. magnitude information in functional magnetic resonance imaging time series: toward understanding the noise. <i>Magnetic Resonance Imaging</i> , 2009, 27, 1046-1057.	1.8	40
141	Functional Connectivity in MRI Is Driven by Spontaneous BOLD Events. <i>PLoS ONE</i> , 2015, 10, e0124577.	2.5	40
142	Polygenic Risk of Psychosis and Ventral Striatal Activation During Reward Processing in Healthy Adolescents. <i>JAMA Psychiatry</i> , 2016, 73, 852.	11.0	40
143	Investigating the effects of an oral fructose challenge on hepatic ATP reserves in healthy volunteers: A 31P MRS study. <i>Clinical Nutrition</i> , 2016, 35, 645-649.	5.0	40
144	EFhd2/Swiprosin-1 is a common genetic determinant for sensation-seeking/low anxiety and alcohol addiction. <i>Molecular Psychiatry</i> , 2018, 23, 1303-1319.	7.9	40

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145	Pubertal maturation and sex effects on the default-mode network connectivity implicated in mood dysregulation. <i>Translational Psychiatry</i> , 2019, 9, 103.	4.8	40
146	A simple method for the restoration of signal polarity in multi-image inversion recovery sequences for measuring T1. <i>Magnetic Resonance in Medicine</i> , 1991, 18, 224-231.	3.0	39
147	Spiral artery blood volume in normal pregnancies and those compromised by pre-eclampsia. <i>NMR in Biomedicine</i> , 2008, 21, 376-380.	2.8	39
148	Parkinson's disease related signal change in the nigrosomes 1 st and the substantia nigra using T2* weighted 7T MRI. <i>NeuroImage: Clinical</i> , 2018, 19, 683-689.	2.7	39
149	Association of placental volume measured by MRI and birth weight percentile. <i>Journal of Magnetic Resonance Imaging</i> , 2011, 34, 1125-1130.	3.4	38
150	No differences in ventral striatum responsivity between adolescents with a positive family history of alcoholism and controls. <i>Addiction Biology</i> , 2015, 20, 534-545.	2.6	38
151	A comparison of phase imaging and quantitative susceptibility mapping in the imaging of multiple sclerosis lesions at ultrahigh field. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 543-557.	2.0	38
152	Inattention and Reaction Time Variability Are Linked to Ventromedial Prefrontal Volume in Adolescents. <i>Biological Psychiatry</i> , 2017, 82, 660-668.	1.3	38
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