Jimmy D Bell

List of Publications by Year
in descending order

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Version: 2024-02-01

165 papers	12,911 citations	18482 62 h-index	25787 108 g-index
181 all docs	181 docs citations	181 times ranked	16579 citing authors

#	Article	IF	Citations
1	The short-chain fatty acid acetate reduces appetite via a central homeostatic mechanism. Nature Communications, 2014, 5, 3611.	12.8	1,129
2	Effects of targeted delivery of propionate to the human colon on appetite regulation, body weight maintenance and adiposity in overweight adults. Gut, 2015, 64, 1744-1754.	12.1	950
3	Critical role for peptide YY in protein-mediated satiation and body-weight regulation. Cell Metabolism, 2006, 4, 223-233.	16.2	501
4	Human Metabolic Syndrome Resulting From Dominant-Negative Mutations in the Nuclear Receptor Peroxisome Proliferator-Activated Receptor-Â. Diabetes, 2003, 52, 910-917.	0.6	412
5	The UK Biobank imaging enhancement of 100,000 participants:â€‰rationale, data collection, management and future directions. Nature Communications, 2020, 11, 2624.	12.8	324
6	Advanced Body Composition Assessment: From Body Mass Index to Body Composition Profiling. Journal of Investigative Medicine, 2018, 66, 1-9.	1.6	316
7	Magnetic resonance imaging of total body fat. Journal of Applied Physiology, 1998, 85, 1778-1785.	2.5	284
8	Fasting biases brain reward systems towards highâ€calorie foods. European Journal of Neuroscience, 2009, 30, 1625-1635.	2.6	284
9	Proton MR Spectroscopy of Intracranial Tumours. Journal of Computer Assisted Tomography, 1990, 14, 497-504.	0.9	282
10	Obese patients after gastric bypass surgery have lower brain-hedonic responses to food than after gastric banding. Gut, 2014, 63, 891-902.	12.1	234
11	Non-invasive means of measuring hepatic fat content. World Journal of Gastroenterology, 2008, 14, 3476.	3.3	226
12	The role of insulin receptor substrate 2 in hypothalamic and Î² cell function. Journal of Clinical Investigation, 2005, 115, 940-950.	8.2	209
13	Polycystic Ovary Syndrome with Hyperandrogenism Is Characterized by an Increased Risk of Hepatic Steatosis Compared to Nonhyperandrogenic PCOS Phenotypes and Healthy Controls, Independent of Obesity and Insulin Resistance. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 3709-3716.	3.6	198
14	Efficacy and Safety of Cannabidiol and Tetrahydrocannabivarin on Glycemic and Lipid Parameters in Patients With Type 2 Diabetes: A Randomized, Double-Blind, Placebo-Controlled, Parallel Group Pilot Study. Diabetes Care, 2016, 39, 1777-1786.	8.6	191
15	Fermentable carbohydrate stimulates FFAR2-dependent colonic PYY cell expansionÂtoÂincrease satiety. Molecular Metabolism, 2017, 6, 48-60.	6.5	179
16	The Missing Risk: MRI and MRS Phenotyping of Abdominal Adiposity and Ectopic Fat. Obesity, 2012, 20, 76-87.	3.0	156
17	Visceral Adipose Tissue and Metabolic Complications of Obesity Are Reduced in Prader-Willi Syndrome Female Adults: Evidence for Novel Influences on Body Fat Distribution. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 4330-4338.	3.6	149
18	Dominant Role of the p110Î² Isoform of PI3K over p110Î± in Energy Homeostasis Regulation by POMC and AgRP Neurons. Cell Metabolism, 2009, 10, 343-354.	16.2	149

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19	The Influence of Maternal Body Mass Index on Infant Adiposity and Hepatic Lipid Content. Pediatric Research, 2011, 70, 287-291.	2.3	145
20	Digenic inheritance of severe insulin resistance in a human pedigree. Nature Genetics, 2002, 31, 379-384.	21.4	134
21	Excess body fat in obese and normal-weight subjects. Nutrition Research Reviews, 2012, 25, 150-161.	4.1	130
22	LEAP2 changes with body mass and food intake in humans and mice. Journal of Clinical Investigation, 2019, 129, 3909-3923.	8.2	130
23	Folate Receptor Targeted Bimodal Liposomes for Tumor Magnetic Resonance Imaging. Bioconjugate Chemistry, 2009, 20, 648-655.	3.6	126
24	External validation of the fatty liver index and lipid accumulation product indices, using 1H-magnetic resonance spectroscopy, to identify hepatic steatosis in healthy controls and obese, insulin-resistant individuals. European Journal of Endocrinology, 2014, 171, 561-569.	3.7	126
25	Body Composition Profiling in the UK Biobank Imaging Study. Obesity, 2018, 26, 1785-1795.	3.0	125
26	Bimodal Paramagnetic and Fluorescent Liposomes for Cellular and Tumor Magnetic Resonance Imaging. Bioconjugate Chemistry, 2008, 19, 118-129.	3.6	117
27	Creatine supplements in patients with idiopathic inflammatory myopathies who are clinically weak after conventional pharmacologic treatment: Six-month, double-blind, randomized, placebo-controlled trial. Arthritis and Rheumatism, 2007, 57, 694-702.	6.7	116
28	Ghrelin mimics fasting to enhance human hedonic, orbitofrontal cortex, and hippocampal responses to food. American Journal of Clinical Nutrition, 2014, 99, 1319-1330.	4.7	116
29	Cannabidiol (CBD) Is a Novel Inhibitor for Exosome and Microvesicle (EMV) Release in Cancer. Frontiers in Pharmacology, 2018, 9, 889.	3.5	115
30	Impact of Resistant Starch on Body Fat Patterning and Central Appetite Regulation. PLoS ONE, 2007, 2, e1309.	2.5	111
31	Elevated Fasting Plasma Ghrelin in Prader-Willi Syndrome Adults Is Not Solely Explained by Their Reduced Visceral Adiposity and Insulin Resistance. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 1718-1726.	3.6	107
32	Proton MR Spectroscopy of the Brain in Infants. Journal of Computer Assisted Tomography, 1990, 14, 886-894.	0.9	105
33	Distribution of Adipose Tissue in the Newborn. Pediatric Research, 2004, 55, 437-441.	2.3	105
34	Genetic architecture of 11 organ traits derived from abdominal MRI using deep learning. ELife, 2021, 10, .	6.0	102
35	Dissociation between exercise-induced reduction in liver fat and changes in hepatic and peripheral glucose homoeostasis in obese patients with non-alcoholic fatty liver disease. Clinical Science, 2016, 130, 93-104.	4.3	100
36	Link Between Increased Satiety Gut Hormones and Reduced Food Reward After Gastric Bypass Surgery for Obesity. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 599-609.	3.6	100

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37	Effect of nutritional counselling on hepatic, muscle and adipose tissue fat content and distribution in non-alcoholic fatty liver disease. World Journal of Gastroenterology, 2006, 12, 5813.	3.3	100
38	Aberrant Adiposity and Ectopic Lipid Deposition Characterize the Adult Phenotype of the Preterm Infant. Pediatric Research, 2011, 70, 507-512.	2.3	99
39	NMR-invisible lactate in blood plasma. FEBS Letters, 1988, 235, 81-86.	2.8	98
40	Resting metabolic rate, plasma leptin concentrations, leptin receptor expression, and adipose tissue measured by whole-body magnetic resonance imaging in women with Prader-Willi syndrome. American Journal of Clinical Nutrition, 2002, 75, 468-475.	4.7	98
41	Feasibility of MR-Based Body Composition Analysis in Large Scale Population Studies. PLoS ONE, 2016, 11, e0163332.	2.5	98
42	Novel multifunctional nanoparticle mediates siRNA tumour delivery, visualisation and therapeutic tumour reduction in vivo. Journal of Controlled Release, 2011, 149, 111-116.	9.9	97
43	Characterisation of liver fat in the UK Biobank cohort. PLoS ONE, 2017, 12, e0172921.	2.5	95
44	Whole Body Magnetic Resonance Imaging of Healthy Newborn Infants Demonstrates Increased Central Adiposity in Asian Indians. Pediatric Research, 2009, 65, 584-587.	2.3	92
45	Persistent Increases in Cerebral Lactate Concentration after Birth Asphyxia. Pediatric Research, 1998, 44, 304-311.	2.3	89
46	Preferential loss of visceral fat following aerobic exercise, measured by magnetic resonance imaging. Lipids, 2000, 35, 769-776.	1.7	88
47	1H NMR studies of human blood plasma Assignment of resonances for lipoproteins. FEBS Letters, 1987, 219, 239-243.	2.8	86
48	Effect of functional grade and etiology onin vivo hepatic phosphorus-31 magnetic resonance spectroscopy in cirrhosis: Biochemical basis of spectral appearances. Hepatology, 1995, 21, 417-427.	7.3	86
49	Diversity in levels of intracellular total creatine and triglycerides in human skeletal muscles observed by¹H-MRS. Journal of Applied Physiology, 1999, 87, 2068-2072.	2.5	85
50	NMR studies of body fluids. NMR in Biomedicine, 1989, 2, 246-256.	2.8	84
51	Genome-wide and Mendelian randomisation studies of liver MRI yield insights into the pathogenesis of steatohepatitis. Journal of Hepatology, 2020, 73, 241-251.	3.7	83
52	A 31P and 1H-NMR investigation in vitro of normal and abnormal human liver. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1993, 1225, 71-77.	3.8	81
53	Intracellular and extracellular skeletal muscle triglyceride metabolism during alternating intensity exercise in humans. Journal of Physiology, 1998, 510, 615-622.	2.9	79
54	High resolution proton nuclear magnetic resonance studies of human cerebrospinal fluid. Clinical Science, 1987, 72, 563-570.	4.3	76

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55	In vivo measurements of T1 relaxation times in mouse brain associated with different modes of systemic administration of manganese chloride. Journal of Magnetic Resonance Imaging, 2005, 21, 334-339.	3.4	76
56	Excess Visceral and Hepatic Adipose Tissue in Turner Syndrome Determined by Magnetic Resonance Imaging: Estrogen Deficiency Associated with Hepatic Adipose Content. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 2631-2635.	3.6	76
57	Differential patterns of neuronal activation in the brainstem and hypothalamus following peripheral injection of GLP-1, oxyntomodulin and lithium chloride in mice detected by manganese-enhanced magnetic resonance imaging (MEMRI). NeuroImage, 2009, 44, 1022-1031.	4.2	76
58	New alcohol-related genes suggest shared genetic mechanisms with neuropsychiatric disorders. Nature Human Behaviour, 2019, 3, 950-961.	12.0	75
59	Differential hypothalamic neuronal activation following peripheral injection of GLP-1 and oxyntomodulin in mice detected by manganese-enhanced magnetic resonance imaging. Biochemical and Biophysical Research Communications, 2006, 350, 298-306.	2.1	73
60	The impact of oligofructose on stimulation of gut hormones, appetite regulation and adiposity. Obesity, 2014, 22, 1430-1438.	3.0	73
61	The effects of dietary supplementation with inulin and inulinâ€propionate ester on hepatic steatosis in adults with nonâ€alcoholic fatty liver disease. Diabetes, Obesity and Metabolism, 2019, 21, 372-376.	4.4	73
62	Fermentable Carbohydrate Alters Hypothalamic Neuronal Activity and Protects Against the Obesogenic Environment. Obesity, 2012, 20, 1016-1023.	3.0	72
63	Genome-Wide and Abdominal MRI Data Provide Evidence That a Genetically Determined Favorable Adiposity Phenotype Is Characterized by Lower Ectopic Liver Fat and Lower Risk of Type 2 Diabetes, Heart Disease, and Hypertension. Diabetes, 2019, 68, 207-219.	0.6	72
64	Determinants of Adiposity during Preweaning Postnatal Growth in Appropriately Grown and Growth-Restricted Term Infants. Pediatric Research, 2006, 60, 345-348.	2.3	69
65	Kisspeptin signaling in the amygdala modulates reproductive hormone secretion. Brain Structure and Function, 2016, 221, 2035-2047.	2.3	66
66	Differential Effects of Two Fermentable Carbohydrates on Central Appetite Regulation and Body Composition. PLoS ONE, 2012, 7, e43263.	2.5	66
67	Cannabidiol Is a Novel Modulator of Bacterial Membrane Vesicles. Frontiers in Cellular and Infection Microbiology, 2019, 9, 324.	3.9	63
68	Phosphorus-31 magnetic resonance spectroscopy of the human liver using chemical shift imaging techniques. Journal of Hepatology, 1992, 14, 265-275.	3.7	59
69	In vivo and in vitro hepatic ³¹P magnetic resonance spectroscopy and electron microscopy of the cirrhotic liver. Liver, 1997, 17, 198-209.	0.1	59
70	Lifestyle-induced metabolic inflexibility and accelerated ageing syndrome: insulin resistance, friend or foe?. Nutrition and Metabolism, 2009, 6, 16.	3.0	58
71	Manganese-enhanced magnetic resonance imaging (MEMRI) without compromise of the bloodâ€“brain barrier detects hypothalamic neuronal activityin vivo. NMR in Biomedicine, 2006, 19, 1028-1034.	2.8	57
72	Cerebral Phosphorus-31 magnetic resonance spectroscopy in patients with chronic hepatic encephalopathy. Hepatology, 1994, 20, 1173-1178.	7.3	55

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73	Cerebral proton and phosphorus-31 magnetic resonance spectroscopy in patients with subclinical hepatic encephalopathy. Liver International, 1999, 19, 389-398.	3.9	55
74	In vivo evaluation of the effects of continuous exercise on skeletal muscle triglycerides in trained humans. Lipids, 2000, 35, 1313-1318.	1.7	55
75	Cannabidiol Affects Extracellular Vesicle Release, miR21 and miR126, and Reduces Prohibitin Protein in Glioblastoma Multiforme Cells. Translational Oncology, 2019, 12, 513-522.	3.7	55
76	A randomized controlled trial: the effect of inulin on weight management and ectopic fat in subjects with prediabetes. Nutrition and Metabolism, 2015, 12, 36.	3.0	53
77	Validation of a fast method for quantification of intra-abdominal and subcutaneous adipose tissue for large-scale human studies. NMR in Biomedicine, 2015, 28, 1747-1753.	2.8	53
78	Predicting and elucidating the etiology of fatty liver disease: A machine learning modeling and validation study in the IMI DIRECT cohorts. PLoS Medicine, 2020, 17, e1003149.	8.4	47
79	1H NMR studies of urine during fasting: Excretion of ketone bodies and acetylcarnitine. Magnetic Resonance in Medicine, 1986, 3, 849-856.	3.0	46
80	SARS-CoV-2 and mitochondrial health: implications of lifestyle and ageing. Immunity and Ageing, 2020, 17, 33.	4.2	46
81	Characterisation of secondary metabolites associated with neutrophil apoptosis. FEBS Letters, 1996, 392, 295-298.	2.8	45
82	Hepatic steatosis, GH deficiency and the effects of GH replacement: a Liverpool magnetic resonance spectroscopy study. European Journal of Endocrinology, 2012, 166, 993-1002.	3.7	45
83	Visceral Adipose Tissue and Metabolic Complications of Obesity Are Reduced in Prader-Willi Syndrome Female Adults: Evidence for Novel Influences on Body Fat Distribution. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 4330-4338.	3.6	43
84	Genetic Evidence for Different Adiposity Phenotypes and Their Opposing Influences on Ectopic Fat and Risk of Cardiometabolic Disease. Diabetes, 2021, 70, 1843-1856.	0.6	42
85	In vivo andin vitro31P magnetic resonance spectroscopy of focal hepatic malignancies. NMR in Biomedicine, 1992, 5, 114-120.	2.8	40
86	Measurement of liver iron by magnetic resonance imaging in the UK Biobank population. PLoS ONE, 2018, 13, e0209340.	2.5	37
87	Rifaximin in nonâ€alcoholic steatohepatitis: An openâ€label pilot study. Hepatology Research, 2018, 48, 69-77.	3.4	36
88	Imaging of Gadolinium Spatial Distribution in Tumor Tissue by Laser Ablation Inductively Coupled Plasma Mass Spectrometry. Molecular Imaging and Biology, 2010, 12, 361-366.	2.6	33
89	Cirrhosis of the human liver: an in vitro 31P nuclear magnetic resonance study. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1995, 1272, 113-118.	3.8	32
90	Effect of fish oil on cancer cachexia and host liver metabolism in rats with prostate tumors. Lipids, 1994, 29, 195-203.	1.7	31

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91	The Temporal Sequence of Gut Peptideâ€“CNS Interactions TrackedIn Vivoby Magnetic Resonance Imaging. Journal of Neuroscience, 2007, 27, 12341-12348.	3.6	31
92	Impact of liver fat on the differential partitioning of hepatic triacylglycerol into VLDL subclasses on high and low sugar diets. Clinical Science, 2017, 131, 2561-2573.	4.3	31
93	Proton magnetic resonance spectroscopy and ultrasound for hepatic fat quantification. Hepatology Research, 2010, 40, 399-406.	3.4	30
94	Intraperitoneal delivery of acetate-encapsulated liposomal nanoparticles for neuroprotection of the penumbra in a rat model of ischemic stroke . International Journal of Nanomedicine, 2019, Volume 14, 1979-1991.	6.7	30
95	Carbohydrate-induced manipulation of insulin sensitivity independently of intramyocellular lipids. British Journal of Nutrition, 2003, 89, 365-374.	2.3	29
96	Validation of Dual Energy X-Ray Absorptiometry Measures of Abdominal Fat by Comparison with Magnetic Resonance Imaging in an Indian Population. PLoS ONE, 2012, 7, e51042.	2.5	29
97	A Low Molecular Weight Folate Receptor Targeted Contrast Agent for Magnetic Resonance Tumor Imaging. Molecular Imaging and Biology, 2011, 13, 653-662.	2.6	27
98	Preterm nutritional intake and MRI phenotype at term age: a prospective observational study. BMJ Open, 2014, 4, e005390.	1.9	27
99	Estimating the Effect of Liver and Pancreas Volume and Fat Content on Risk of Diabetes: A Mendelian Randomization Study. Diabetes Care, 2022, 45, 460-468.	8.6	27
100	Inflammatory modulation of exercise salience: using hormesis to return to a healthy lifestyle. Nutrition and Metabolism, 2010, 7, 87.	3.0	25
101	Pioglitazone added to conventional lipid-lowering treatment in familial combined hyperlipidaemia improves parameters of metabolic control: Relation to liver, muscle and regional body fat content. Atherosclerosis, 2007, 195, e181-e190.	0.8	24
102	The quantum mitochondrion and optimal health. Biochemical Society Transactions, 2016, 44, 1101-1110.	3.4	24
103	Development of a Rapid and Efficient Magnetic Resonance Imaging Technique for Analysis of Body Fat Distribution. , 1996, 9, 156-164.		23
104	Imaging Appetite-Regulating Pathways in the Central Nervous System Using Manganese-Enhanced Magnetic Resonance Imaging. Neuroendocrinology, 2009, 89, 121-130.	2.5	23
105	Genetic studies of abdominal MRI data identify genes regulating hepcidin as major determinants of liver iron concentration. Journal of Hepatology, 2019, 71, 594-602.	3.7	23
106	Chemistry of Tumour Targeted T1 Based MRI Contrast Agents. Current Topics in Medicinal Chemistry, 2010, 10, 1158-1183.	2.1	22
107	Intrahepatic Insulin Exposure, Intrahepatocellular Lipid and Regional Body Fat in Nonalcoholic Fatty Liver Disease. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 2151-2159.	3.6	22
108	Discovery of biomarkers for glycaemic deterioration before and after the onset of type 2 diabetes: descriptive characteristics of the epidemiological studies within the IMI DIRECT Consortium. Diabetologia, 2019, 62, 1601-1615.	6.3	22

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109	Synergy between histone deacetylase inhibitors and DNA-damaging agents is mediated by histone deacetylase 2 in colorectal cancer. Oncotarget, 2016, 7, 44505-44521.	1.8	22
110	Effect of energy restriction and physical exercise intervention on phenotypic flexibility as examined by transcriptomics analyses of <scp>mRNA</scp> from adipose tissue and whole body magnetic resonance imaging. Physiological Reports, 2016, 4, e13019.	1.7	21
111	Liver fat in adults with <scp>GH</scp> deficiency: comparison to matched controls and the effect of <scp>GH</scp> replacement. Clinical Endocrinology, 2016, 85, 76-84.	2.4	20
112	Automated feature extraction for the classification of humanin vivo13C NMR spectra using statistical pattern recognition and wavelets. Magnetic Resonance in Medicine, 1996, 35, 834-840.	3.0	19
113	Relation between proton magnetic resonance spectroscopy within 18 hours of birth asphyxia and neurodevelopment at 1 year of age. Developmental Medicine and Child Neurology, 1999, 41, 76-82.	2.1	19
114	The combined effects on neuronal activation and bloodâ€“brain barrier permeability of time and n-3 polyunsaturated fatty acids in mice, as measured in vivo using MEMRI. NeuroImage, 2010, 50, 1384-1391.	4.2	18
115	The effects of glutamate receptor agonists and antagonists on mouse hypothalamic and hippocampal neuronal activity shown through manganese enhanced MRI. NeuroImage, 2012, 59, 968-978.	4.2	17
116	Normalized Indices Derived from Visceral Adipose Mass Assessed by Magnetic Resonance Imaging and Their Correlation with Markers for Insulin Resistance and Prediabetes. Nutrients, 2020, 12, 2064.	4.1	17
117	Circulating Pancreatic Polypeptide Concentrations Predict Visceral and Liver Fat Content. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 1048-1052.	3.6	16
118	Cationic lipid-based nanoparticles mediate functional delivery of acetate to tumor cells in vivo leading to significant anticancer effects. International Journal of Nanomedicine, 2017, Volume 12, 6677-6685.	6.7	16
119	Withania somnifera Root Extract Enhances Chemotherapy through â€˜Primingâ€™. PLoS ONE, 2017, 12, e0170917.	2.5	16
120	Large-scale analysis of iliopsoas muscle volumes in the UK Biobank. Scientific Reports, 2020, 10, 20215.	3.3	16
121	Acetate Induces Growth Arrest in Colon Cancer Cells Through Modulation of Mitochondrial Function. Frontiers in Nutrition, 2021, 8, 588466.	3.7	16
122	Processes Underlying Glycemic Deterioration in Type 2 Diabetes: An IMI DIRECT Study. Diabetes Care, 2021, 44, 511-518.	8.6	16
123	SARS-CoV-2 and EBV; the cost of a second mitochondrial â€œwhammyâ€?. Immunity and Ageing, 2021, 18, 40.	4.2	16
124	The effect of preterm birth on adiposity and metabolic pathways and the implications for later life. Clinical Lipidology, 2012, 7, 275-288.	0.4	15
125	Gender Differences in VLDL₁and VLDL₂Triglyceride Kinetics and Fatty Acid Kinetics in Obese Postmenopausal Women and Obese Men. Journal of Clinical Endocrinology and Metabolism, 2012, 97, 2475-2481.	3.6	15
126	Adiposity and hepatic lipid in healthy full-term, breastfed, and formula-fed human infants: a prospective short-term longitudinal cohort study. American Journal of Clinical Nutrition, 2014, 99, 1034-1040.	4.7	15

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127	From sunscreens to medicines: Can a dissipation hypothesis explain the beneficial aspects of many plant compounds?. Phytotherapy Research, 2020, 34, 1868-1888.	5.8	13
128	Effects of fish oil on phospholipid metabolism in human and rat liver studied by31P NMR spectroscopyin vivo andin vitro. NMR in Biomedicine, 1993, 6, 157-162.	2.8	11
129	1H MR Spectroscopy in the Evaluation of the Severity of Chronic Liver Disease. Radiology, 2003, 226, 288-289.	7.3	11
130	Fatty acid flux and oxidation are increased by rimonabant in obese women. Metabolism: Clinical and Experimental, 2012, 61, 1220-1223.	3.4	11
131	The intelligence paradox; will ET get the metabolic syndrome? Lessons from and for Earth. Nutrition and Metabolism, 2014, 11, 34.	3.0	11
132	Automated Measurement of Pancreatic Fat and Iron Concentration Using Multi-Echo and T1-Weighted MRI Data. , 2020, , .		11
133	Evaluation of the stability of the proton chemical shifts of some metabolites other than water during thermal cycling of normal human muscle tissue. Journal of Magnetic Resonance Imaging, 1998, 8, 1114-1118.	3.4	10
134	Obesity, diabetes and longevity in the Gulf: Is there a Gulf Metabolic Syndrome?. International Journal of Diabetes Mellitus, 2009, 1, 43-54.	0.6	10
135	Disease consequences of higher adiposity uncoupled from its adverse metabolic effects using Mendelian randomisation. ELife, 2022, 11, .	6.0	10
136	Maternal and cord blood plasma. Comparative analyses by1H NMR spectroscopy. NMR in Biomedicine, 1989, 2, 61-65.	2.8	9
137	Ethnic Differences in Body Fat Deposition and Liver Fat Content in Two UKâ€Based Cohorts. Obesity, 2020, 28, 2142-2152.	3.0	9
138	Manganese enhancement in nonâ€CNS organs. NMR in Biomedicine, 2010, 23, 931-938.	2.8	8
139	In vivo assessment of metabolic perturbations following alanine and glucagon administration using 31P-MRS in the rat. Biochimica Et Biophysica Acta - General Subjects, 1997, 1335, 290-304.	2.4	7
140	Analysis of MRI-derived spleen iron in the UK Biobank identifies genetic variation linked to iron homeostasis and hemolysis. American Journal of Human Genetics, 2022, 109, 1092-1104.	6.2	7
141	A Framework for Automatic Morphological Feature Extraction and Analysis of Abdominal Organs in MRI Volumes. Journal of Medical Systems, 2019, 43, 334.	3.6	6
142	Cannabidiol Modulates Mitochondrial Redox and Dynamics in MCF7 Cancer Cells: A Study Using Fluorescence Lifetime Imaging Microscopy of NAD(P)H. Frontiers in Molecular Biosciences, 2021, 8, 630107.	3.5	6
143	NMR Studies of Body Fluids and Tissue Extracts. , 1994, , 221-236.		6
144	Precision MRI phenotyping enables detection of small changes in body composition for longitudinal cohorts. Scientific Reports, 2022, 12, 3748.	3.3	6

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145	The Hormesis of Thinking: A Deeper Quantum Thermodynamic Perspective?. International Journal of Neurorehabilitation, 2017, 04, .	0.1	5
146	Thermodynamics and Inflammation: Insights into Quantum Biology and Ageing. Quantum Reports, 2022, 4, 47-74.	1.3	5
147	Bioelectric Fields at the Beginnings of Life. Bioelectricity, 2022, 4, 237-247.	1.1	5
148	The Application of Magnetic Resonance Imaging and Spectroscopy to Gene Therapy. Methods in Enzymology, 2004, 386, 303-313.	1.0	4
149	Metabolic Profiling of the Rat Liver After Chronic Ingestion of Alpha-Naphthylisothiocyanate Using In Vivo and Ex Vivo Magnetic Resonance Spectroscopy. Toxicological Sciences, 2012, 126, 306-316.	3.1	4
150	Mass Univariate Regression Analysis for Three-Dimensional Liver Image-Derived Phenotypes. Lecture Notes in Computer Science, 2021, , 165-176.	1.3	4
151	3D Deep Learning for Anatomical Structure Segmentation in Multiple Imaging Modalities. , 2021, 2021, 166-171.		4
152	Dietary metabolite profiling brings new insight into the relationship between nutrition and metabolic risk: An IMI DIRECT study. EBioMedicine, 2020, 58, 102932.	6.1	3
153	Metabolic Changes Associated with Vacuolation in Murine Models of Scrapie usingIn Vitro1H-NMR Spectroscopy. , 1996, 9, 359-363.		2
154	Cerebral phosphorus-31 magnetic resonance spectroscopy in patients with chronic hepatic encephalopathy. Hepatology, 1994, 20, 1173-1178.	7.3	2
155	Phospholipid headgroup mobility in low density lipoproteins. Biochemical Society Transactions, 1997, 25, 22S-22S.	3.4	1
156	Mitochondrial Function as a Potential Tool for Assessing Function, Quality and Adulteration in Medicinal Herbal Teas. Frontiers in Pharmacology, 2021, 12, 660938.	3.5	1
157	Development of a Rapid and Efficient Magnetic Resonance Imaging Technique for Analysis of Body Fat Distribution. NMR in Biomedicine, 1996, 9, 156-164.	2.8	1
158	In vivo hepatic energy pertubations during alanine infusion using 31P-NMR spectroscopy. Biochemical Society Transactions, 1995, 23, 336S-336S.	3.4	0
159	The pineal hormone melatonin attenuates doxorubicin induced-mitochondrial dysfunction and cardiotoxicity in vitro. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-2-69.	0.0	0
160	Machine Learning Classification of Females Susceptibility to Visceral Fat Associated Diseases. IFMBE Proceedings, 2020, , 679-693.	0.3	0
161	Title is missing!. , 2020, 17, e1003149.		0
162	Title is missing!. , 2020, 17, e1003149.		0

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163	Title is missing!. , 2020, 17, e1003149.		0
164	Title is missing!. , 2020, 17, e1003149.		0
165	Title is missing!. , 2020, 17, e1003149.		0