

Graham J Kemp

List of Publications by Year in descending order

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Version: 2024-02-01

370
papers

14,461
citations

13865

67
h-index

32842

100
g-index

375
all docs

375
docs citations

375
times ranked

15434
citing authors

#	ARTICLE	IF	CITATIONS
1	Schwann cells, neurotrophic factors, and peripheral nerve regeneration. <i>Microsurgery</i> , 1998, 18, 397-405.	1.3	431
2	Is depression a disconnection syndrome? Meta-analysis of diffusion tensor imaging studies in patients with MDD. <i>Journal of Psychiatry and Neuroscience</i> , 2013, 38, 49-56.	2.4	375
3	Physical training improves skeletal muscle metabolism in patients with chronic heart failure. <i>Journal of the American College of Cardiology</i> , 1993, 21, 1101-1106.	2.8	338
4	Resting-State Functional Connectivity in Treatment-Resistant Depression. <i>American Journal of Psychiatry</i> , 2011, 168, 642-648.	7.2	289
5	Effect of prehabilitation on objectively measured physical fitness after neoadjuvant treatment in preoperative rectal cancer patients: a blinded interventional pilot study. <i>British Journal of Anaesthesia</i> , 2015, 114, 244-251.	3.4	273
6	Absolute quantification of phosphorus metabolite concentrations in human muscle <i>in vivo</i> by ³¹ P MRS: a quantitative review. <i>NMR in Biomedicine</i> , 2007, 20, 555-565.	2.8	256
7	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. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012, 97, 3709-3716.	3.6	198
8	Improved Glycaemia Correlates with Liver Fat Reduction in Obese, Type 2 Diabetes, Patients Given Glucagon-Like Peptide-1 (GLP-1) Receptor Agonists. <i>PLoS ONE</i> , 2012, 7, e50117.	2.5	191
9	Control of phosphocreatine resynthesis during recovery from exercise in human skeletal muscle. <i>NMR in Biomedicine</i> , 1993, 6, 66-72.	2.8	184
10	Abnormal regional spontaneous neural activity in treatment-refractory depression revealed by resting-state fMRI. <i>Human Brain Mapping</i> , 2011, 32, 1290-1299.	3.6	172
11	Quantitative analysis by ³¹ P magnetic resonance spectroscopy of abnormal mitochondrial oxidation in skeletal muscle during recovery from exercise. <i>NMR in Biomedicine</i> , 1993, 6, 302-310.	2.8	163
12	Quantitative interpretation of bioenergetic data from ³¹ P and ¹ H magnetic resonance spectroscopic studies of skeletal muscle: an analytical review. <i>Magnetic Resonance Quarterly</i> , 1994, 10, 43-63.	1.6	162
13	Brain grey matter abnormalities in medication-free patients with major depressive disorder: a meta-analysis. <i>Psychological Medicine</i> , 2014, 44, 2927-2937.	4.5	159
14	Resistance training improves cardiac output, exercise capacity and tolerance to positive airway pressure in Fontan physiology. <i>International Journal of Cardiology</i> , 2013, 168, 780-788.	1.7	145
15	Minimum Reporting Standards for <i>in vivo</i> Magnetic Resonance Spectroscopy (MRSinMRS): Experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4484.	2.8	144
16	Cardiopulmonary exercise variables are associated with postoperative morbidity after major colonic surgery: a prospective blinded observational study. <i>British Journal of Anaesthesia</i> , 2014, 112, 665-671.	3.4	143
17	Quantification of Metabolic Differences in the Frontal Brain of Depressive Patients and Controls Obtained by ¹ H-MRS at 3 Tesla. <i>Investigative Radiology</i> , 2003, 38, 403-408.	6.2	136
18	A Proton Magnetic Resonance Spectroscopy Study of Age-related Changes in Frontal Lobe Metabolite Concentrations. <i>Cerebral Cortex</i> , 2001, 11, 598-605.	2.9	132

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19	Reduced physical activity in young and older adults: metabolic and musculoskeletal implications. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , 2019, 10, 204201881988882.	3.2	132
20	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. <i>European Journal of Endocrinology</i> , 2014, 171, 561-569.	3.7	126
21	Cellular energetics of dystrophic muscle. <i>Journal of the Neurological Sciences</i> , 1993, 116, 201-206.	0.6	125
22	High-Field Magnetic Resonance Imaging of Suicidality in Patients With Major Depressive Disorder. <i>American Journal of Psychiatry</i> , 2010, 167, 1381-1390.	7.2	123
23	The production, buffering and efflux of protons in human skeletal muscle during exercise and recovery. <i>NMR in Biomedicine</i> , 1993, 6, 73-83.	2.8	117
24	Comparisons of ATP turnover in human muscle during ischemic and aerobic exercise using ³¹ P magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 248-258.	3.0	115
25	Quantification of skeletal muscle mitochondrial function by ³¹ P magnetic resonance spectroscopy techniques: a quantitative review. <i>Acta Physiologica</i> , 2015, 213, 107-144.	3.8	115
26	Ageing: Effects on oxidative function of skeletal muscle in vivo. <i>Molecular and Cellular Biochemistry</i> , 1997, 174, 321-324.	3.1	113
27	Meta-analysis of cortical thickness abnormalities in medication-free patients with major depressive disorder. <i>Neuropsychopharmacology</i> , 2020, 45, 703-712.	5.4	109
28	Depressive Disorders: Focally Altered Cerebral Perfusion Measured with Arterial Spin-labeling MR Imaging. <i>Radiology</i> , 2009, 251, 476-484.	7.3	106
29	Effect of Iron Isomaltoside on Skeletal Muscle Energetics in Patients With Chronic Heart Failure and Iron Deficiency. <i>Circulation</i> , 2019, 139, 2386-2398.	1.6	106
30	Short-term consumption of a high-fat diet impairs whole-body efficiency and cognitive function in sedentary men. <i>FASEB Journal</i> , 2011, 25, 1088-1096.	0.5	103
31	Disrupted brain network topology in pediatric posttraumatic stress disorder: A resting-state fMRI study. <i>Human Brain Mapping</i> , 2015, 36, 3677-3686.	3.6	103
32	Effects of cardiac transplantation on bioenergetic abnormalities of skeletal muscle in congestive heart failure. <i>Circulation</i> , 1994, 89, 1624-1631.	1.6	102
33	Influence of constant positive airway pressure therapy on lipid storage, muscle metabolism and insulin action in obese patients with severe obstructive sleep apnoea syndrome. <i>Diabetes, Obesity and Metabolism</i> , 2007, 9, 679-687.	4.4	101
34	Exercise training reverses endothelial dysfunction in nonalcoholic fatty liver disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 307, H1298-H1306.	3.2	101
35	Altered resting-state functional activity in posttraumatic stress disorder: A quantitative meta-analysis. <i>Scientific Reports</i> , 2016, 6, 27131.	3.3	101
36	Dissociation between exercise-induced reduction in liver fat and changes in hepatic and peripheral glucose homeostasis in obese patients with non-alcoholic fatty liver disease. <i>Clinical Science</i> , 2016, 130, 93-104.	4.3	100

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37	Training partially reverses skeletal muscle metabolic abnormalities during exercise in heart failure. <i>Journal of Applied Physiology</i> , 1994, 76, 1575-1582.	2.5	99
38	Mitochondrial function and oxygen supply in normal and in chronically ischemic muscle: A combined ³¹ P magnetic resonance spectroscopy and near infrared spectroscopy study in vivo. <i>Journal of Vascular Surgery</i> , 2001, 34, 1103-1110.	1.1	99
39	Cardiopulmonary exercise testing for the prediction of morbidity risk after rectal cancer surgery. <i>British Journal of Surgery</i> , 2014, 101, 1166-1172.	0.3	98
40	Bioenergetics of skeletal muscle in mitochondrial myopathy. <i>Journal of the Neurological Sciences</i> , 1994, 127, 198-206.	0.6	96
41	Interrelations of ATP synthesis and proton handling in ischaemically exercising human forearm muscle studied by ³¹ P magnetic resonance spectroscopy. <i>Journal of Physiology</i> , 2001, 535, 901-928.	2.9	93
42	Skeletal muscle abnormalities and exercise capacity in adults with a Fontan circulation. <i>Heart</i> , 2013, 99, 1530-1534.	2.9	92
43	Short-term decreased physical activity with increased sedentary behaviour causes metabolic derangements and altered body composition: effects in individuals with and without a first-degree relative with type 2 diabetes. <i>Diabetologia</i> , 2018, 61, 1282-1294.	6.3	91
44	Shoulder electromyography in multidirectional instability. <i>Journal of Shoulder and Elbow Surgery</i> , 2004, 13, 24-29.	2.6	89
45	Pain, Functional Disability, and Psychologic Status in Tennis Elbow. <i>Clinical Journal of Pain</i> , 2007, 23, 482-489.	1.9	87
46	The effects of neoadjuvant chemoradiotherapy on physical fitness and morbidity in rectal cancer surgery patients. <i>European Journal of Surgical Oncology</i> , 2014, 40, 1421-1428.	1.0	87
47	Non-Invasive Methods for Studying Brain Energy Metabolism: What They Show and What It Means. <i>Developmental Neuroscience</i> , 2000, 22, 418-428.	2.0	84
48	Exercise Training Reduces Liver Fat and Increases Rates of VLDL Clearance But Not VLDL Production in NAFLD. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 4219-4228.	3.6	83
49	Mitochondrial dysfunction in patients with primary congenital insulin resistance. <i>Journal of Clinical Investigation</i> , 2011, 121, 2457-2461.	8.2	83
50	Skeletal muscle mitochondrial function studied by kinetic analysis of postexercise phosphocreatine resynthesis. <i>Journal of Applied Physiology</i> , 1995, 78, 2131-2139.	2.5	81
51	³¹ P magnetic resonance spectroscopy in skeletal muscle: Experts' consensus recommendations. <i>NMR in Biomedicine</i> , 2021, 34, e4246.	2.8	81
52	Neurotrophins, Neurones and Peripheral Nerve Regeneration. <i>Journal of Hand Surgery</i> , 1998, 23, 433-437.	0.8	80
53	Disturbed energy metabolism and muscular dystrophy caused by pure creatine deficiency are reversible by creatine intake. <i>Journal of Physiology</i> , 2013, 591, 571-592.	2.9	79
54	Arthroscopic Stabilization of the Shoulder: A Prospective Randomized Study of Absorbable Versus Nonabsorbable Suture Anchors. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2006, 22, 716-720.	2.7	78

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55	Upper limb muscle imbalance in tennis elbow: A functional and electromyographic assessment. Journal of Orthopaedic Research, 2007, 25, 1651-1657.	2.3	78
56	Effect of creatine on aerobic and anaerobic metabolism in skeletal muscle in swimmers.. British Journal of Sports Medicine, 1996, 30, 222-225.	6.7	77
57	Multivariate pattern analysis of DTI reveals differential white matter in individuals with obsessive-compulsive disorder. Human Brain Mapping, 2014, 35, 2643-2651.	3.6	77
58	The regulation of total creatine content in a myoblast cell line. Molecular and Cellular Biochemistry, 1996, 158, 179-88.	3.1	76
59	Neurotrophin-4 delivered by fibrin glue promotes peripheral nerve regeneration. Muscle and Nerve, 2001, 24, 345-351.	2.2	76
60	Metabolically healthy and unhealthy obesity: differential effects on myocardial function according to metabolic syndrome, rather than obesity. International Journal of Obesity, 2016, 40, 153-161.	3.4	75
61	Exercise intervention in people with cancer undergoing adjuvant cancer treatment following surgery: A systematic review. European Journal of Surgical Oncology, 2015, 41, 1590-1602.	1.0	74
62	Development and validation of an elbow score. British Journal of Rheumatology, 2004, 43, 1434-1440.	2.3	73
63	Calcium and orthophosphate deposits in vitro do not imply osteoblast-mediated mineralization: Mineralization by betaglycerophosphate in the absence of osteoblasts. Bone, 1990, 11, 385-391.	2.9	72
64	A relationship between impaired fetal growth and reduced muscle glycolysis revealed by 31P magnetic resonance spectroscopy. Diabetologia, 1995, 38, 1205-1212.	6.3	72
65	Abnormalities in exercising skeletal muscle in congestive heart failure can be explained in terms of decreased mitochondrial ATP synthesis, reduced metabolic efficiency, and increased glycogenolysis.. Heart, 1996, 76, 35-41.	2.9	71
66	Intrinsic Brain Abnormalities in Attention Deficit Hyperactivity Disorder: A Resting-State Functional MR Imaging Study. Radiology, 2014, 272, 514-523.	7.3	71
67	Exercise intervention in people with cancer undergoing neoadjuvant cancer treatment and surgery: A systematic review. European Journal of Surgical Oncology, 2016, 42, 28-38.	1.0	71
68	Calf Muscle Mitochondrial and Glycogenolytic Atp Synthesis in Patients with Claudication Due to Peripheral Vascular Disease Analysed Using 31P Magnetic Resonance Spectroscopy. Clinical Science, 1995, 89, 581-590.	4.3	70
69	Functional MRI reveals different response inhibition between adults and children with ADHD.. Neuropsychology, 2015, 29, 874-881.	1.3	68
70	Functional Brain Connectome and Its Relation to Hoehn and Yahr Stage in Parkinson Disease. Radiology, 2017, 285, 904-913.	7.3	68
71	Skeletal muscle bioenergetics in the chronic fatigue syndrome.. Journal of Neurology, Neurosurgery and Psychiatry, 1993, 56, 679-683.	1.9	67
72	Microstructural Brain Abnormalities in Patients with Obsessive-Compulsive Disorder: Diffusion-Tensor MR Imaging Study at 3.0 T. Radiology, 2011, 260, 216-223.	7.3	66

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73	A ³¹ P magnetic resonance spectroscopy study of mitochondrial function in skeletal muscle of patients with Parkinson's disease. <i>Journal of the Neurological Sciences</i> , 1994, 125, 77-81.	0.6	64
74	A study of the reproducibility of three different normalisation methods in intramuscular dual fine wire electromyography of the shoulder. <i>Journal of Electromyography and Kinesiology</i> , 1998, 8, 317-322.	1.7	63
75	What Do Magnetic Resonance-Based Measurements of PiATP Flux Tell Us About Skeletal Muscle Metabolism?. <i>Diabetes</i> , 2012, 61, 1927-1934.	0.6	63
76	Aerobic exercise and muscle metabolism in patients with mitochondrial myopathy. <i>Muscle and Nerve</i> , 2006, 33, 524-531.	2.2	62
77	Evidence for Abnormal Na ⁺ /H ⁺ Antiport Activity Detected by Phosphorus Nuclear Magnetic Resonance Spectroscopy in Exercising Skeletal Muscle of Patients with Essential Hypertension. <i>Clinical Science</i> , 1990, 79, 491-497.	4.3	61
78	Association between language and spatial laterality and cognitive ability: An fMRI study. <i>NeuroImage</i> , 2012, 59, 1818-1829.	4.2	61
79	Does unstable slipped capital femoral epiphysis require urgent stabilization?. <i>Journal of Pediatric Orthopaedics Part B</i> , 2007, 16, 6-9.	0.6	60
80	Heterogeneity in chronic fatigue syndrome: evidence from magnetic resonance spectroscopy of muscle. <i>Neuromuscular Disorders</i> , 1998, 8, 204-209.	0.6	59
81	Abnormal mitochondrial function and muscle wasting, but normal contractile efficiency, in haemodialysed patients studied non-invasively in vivo. <i>Nephrology Dialysis Transplantation</i> , 2004, 19, 1520-1527.	0.7	59
82	Lactate accumulation, proton buffering, and pH change in ischemically exercising muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R895-R901.	1.8	59
83	Skeletal muscle ATP turnover by ³¹ P magnetic resonance spectroscopy during moderate and heavy bilateral knee extension. <i>Journal of Physiology</i> , 2014, 592, 5287-5300.	2.9	59
84	Brain abnormalities in Duchenne muscular dystrophy: phosphorus-31 magnetic resonance spectroscopy and neuropsychological study. <i>Lancet, The</i> , 1995, 345, 1260-1264.	13.7	58
85	Reduced cytosolic acidification during exercise suggests defective glycolytic activity in skeletal muscle of patients with Becker muscular dystrophy. <i>Brain</i> , 1999, 122, 121-130.	7.6	57
86	Dynapenic obesity and the risk of incident Type 2 diabetes: the English Longitudinal Study of Ageing. <i>Diabetic Medicine</i> , 2016, 33, 1052-1059.	2.3	57
87	pH control in rat skeletal muscle during exercise, recovery from exercise, and acute respiratory acidosis. <i>Magnetic Resonance in Medicine</i> , 1994, 31, 103-109.	3.0	56
88	Psychoradiological patterns of small-world properties and a systematic review of connectome studies of patients with 6 major psychiatric disorders. <i>Journal of Psychiatry and Neuroscience</i> , 2018, 43, 416-427.	2.4	56
89	Shoulder muscle activation and coordination in patients with a massive rotator cuff tear: An electromyographic study. <i>Journal of Orthopaedic Research</i> , 2012, 30, 1140-1146.	2.3	55
90	Comparing localized and nonlocalized dynamic ³¹ P magnetic resonance spectroscopy in exercising muscle at 7T. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1713-1723.	3.0	55

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91	Exercise training improves cutaneous microvascular function in nonalcoholic fatty liver disease. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E50-E58.	3.5	54
92	The role of cutaneous sensation in the motor function of the hand. <i>Journal of Orthopaedic Research</i> , 2004, 22, 862-866.	2.3	53
93	Brain biochemistry in Duchenne muscular dystrophy: A 1H magnetic resonance and neuropsychological study. <i>Journal of the Neurological Sciences</i> , 1998, 160, 148-157.	0.6	50
94	The effect of sex and handedness on white matter anisotropy: a diffusion tensor magnetic resonance imaging study. <i>Neuroscience</i> , 2012, 207, 227-242.	2.3	50
95	Muscle metabolism and activation heterogeneity by combined ³¹ P chemical shift and T ₂ imaging, and pulmonary O ₂ uptake during incremental knee-extensor exercise. <i>Journal of Applied Physiology</i> , 2013, 115, 839-849.	2.5	50
96	The Effect of High-Altitude on Human Skeletal Muscle Energetics: 31P-MRS Results from the Caudwell Xtreme Everest Expedition. <i>PLoS ONE</i> , 2010, 5, e10681.	2.5	50
97	Circadian Changes in Plasma Phosphate Concentration, Urinary Phosphate Excretion, and Cellular Phosphate Shifts. <i>Clinical Chemistry</i> , 1992, 38, 400-402.	3.2	49
98	White Matter Abnormalities in Post-traumatic Stress Disorder Following a Specific Traumatic Event. <i>EBioMedicine</i> , 2016, 4, 176-183.	6.1	49
99	Voxel-wise meta-analyses of brain blood flow and local synchrony abnormalities in medication-free patients with major depressive disorder. <i>Journal of Psychiatry and Neuroscience</i> , 2015, 40, 401-411.	2.4	48
100	Sodium is elevated in mdx muscles: Ionic interactions in dystrophic cells. <i>Journal of the Neurological Sciences</i> , 1993, 114, 76-80.	0.6	47
101	Ageing: Effects on oxidative function of skeletal muscle in vivo. , 1997, , 321-324.		47
102	Proton efflux in human skeletal muscle during recovery from exercise. <i>European Journal of Applied Physiology</i> , 1997, 76, 462-471.	2.5	46
103	Conjoint and dissociated structural and functional abnormalities in first-episode drug-naïve patients with major depressive disorder: a multimodal meta-analysis. <i>Scientific Reports</i> , 2017, 7, 10401.	3.3	46
104	Effect of chronic uraemia on skeletal muscle metabolism in man. <i>Nephrology Dialysis Transplantation</i> , 1993, 8, 218-22.	0.7	46
105	Hepatic steatosis, GH deficiency and the effects of GH replacement: a Liverpool magnetic resonance spectroscopy study. <i>European Journal of Endocrinology</i> , 2012, 166, 993-1002.	3.7	45
106	Normal shoulder muscular activation and coordination during a shoulder elevation task based on activities of daily living: An electromyographic study. <i>Journal of Orthopaedic Research</i> , 2012, 30, 53-60.	2.3	45
107	Anatomic Insights into Disrupted Small-World Networks in Pediatric Posttraumatic Stress Disorder. <i>Radiology</i> , 2017, 282, 826-834.	7.3	45
108	Ageing: effects on oxidative function of skeletal muscle in vivo. <i>Molecular and Cellular Biochemistry</i> , 1997, 174, 321-4.	3.1	45

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109	Interactions of Mitochondrial ATP Synthesis and the Creatine Kinase Equilibrium in Skeletal Muscle. <i>Journal of Theoretical Biology</i> , 1994, 170, 239-246.	1.7	44
110	Characterization of brain blood flow and the amplitude of low-frequency fluctuations in major depressive disorder: A multimodal meta-analysis. <i>Journal of Affective Disorders</i> , 2017, 210, 303-311.	4.1	44
111	Exercise-induced improvements in liver fat and endothelial function are not sustained 12 months following cessation of exercise supervision in nonalcoholic fatty liver disease. <i>International Journal of Obesity</i> , 2016, 40, 1927-1930.	3.4	43
112	Estimation of body composition in muscular dystrophy by MRI and stereology. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 467-475.	3.4	42
113	Arthroscopic capsular shrinkage of the shoulder for the treatment of patients with multidirectional instability: Minimum 2-year follow-up. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2003, 19, 227-233.	2.7	42
114	Strength and fatigability of selected muscles in upper limb: Assessing muscle imbalance relevant to tennis elbow. <i>Journal of Electromyography and Kinesiology</i> , 2007, 17, 428-436.	1.7	42
115	Bifocal/varifocal spectacles, lighting and missed-step accidents. <i>Safety Science</i> , 2001, 38, 211-226.	4.9	41
116	Markers of oxidative stress in the skeletal muscle of patients on haemodialysis. <i>Nephrology Dialysis Transplantation</i> , 2007, 22, 1177-1183.	0.7	41
117	Influence of cytosolic pH on in vivo assessment of human muscle mitochondrial respiration by phosphorus magnetic resonance spectroscopy. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1997, 5, 165-171.	2.0	40
118	Differential interictal activity of the precuneus/posterior cingulate cortex revealed by resting state functional MRI at 3T in generalized vs. Partial seizure. <i>Journal of Magnetic Resonance Imaging</i> , 2008, 27, 1214-1220.	3.4	40
119	The interpretation of abnormal ³¹ P magnetic resonance saturation transfer measurements of Pi/ATP exchange in insulin-resistant skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 294, E640-E642.	3.5	40
120	Physical Activity and Sedentary Time: Association with Metabolic Health and Liver Fat. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 1169-1177.	0.4	40
121	Dynamic interleaved ¹ H/ ³¹ P STEAM MRS at 3 Tesla using a pneumatic force-controlled plantar flexion exercise rig. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2005, 18, 257-262.	2.0	39
122	Direct noninvasive quantification of lactate and high energy phosphates simultaneously in exercising human skeletal muscle by localized magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , 2007, 57, 654-660.	3.0	39
123	Nitric oxide-mediated cutaneous microvascular function is impaired in polycystic ovary syndrome but can be improved by exercise training. <i>Journal of Physiology</i> , 2013, 591, 1475-1487.	2.9	39
124	Exercise Training in Polycystic Ovarian Syndrome Enhances Flow-Mediated Dilatation in the Absence of Changes in Fatness. <i>Medicine and Science in Sports and Exercise</i> , 2013, 45, 2234-2242.	0.4	38
125	Electromyographic Analysis of the Shoulder Girdle Musculature During External Rotation Exercises. <i>Orthopaedic Journal of Sports Medicine</i> , 2015, 3, 232596711561398.	1.7	38
126	The neuro-pathophysiology of temporomandibular disorders-related pain: a systematic review of structural and functional MRI studies. <i>Journal of Headache and Pain</i> , 2020, 21, 78.	6.0	38

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127	Skeletal muscle metabolism during exercise and recovery in patients with respiratory failure.. Thorax, 1993, 48, 486-490.	5.6	37
128	Skeletal muscle metabolism in myotonic dystrophy A 31P magnetic resonance spectroscopy study. Brain, 1997, 120, 1699-1711.	7.6	37
129	Creatine uptake in isolated soleus muscle: kinetics and dependence on sodium, but not on insulin. Acta Physiologica Scandinavica, 1999, 166, 99-104.	2.2	37
130	Matrix Metalloproteinase Expression Is Related to Angiogenesis and Histologic Grade in Spindle Cell Soft Tissue Neoplasms of the Extremities. American Journal of Clinical Pathology, 2005, 123, 405-414.	0.7	37
131	Explaining pH Change in Exercising Muscle: Lactic acid, Proton Consumption, and Buffering vs. Strong Ion Difference. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R235-R237.	1.8	37
132	ATP production and mechanical work in exercising skeletal muscle: A theoretical analysis applied to 31P magnetic resonance spectroscopic studies of dialyzed uremic patients. Magnetic Resonance in Medicine, 1995, 33, 601-609.	3.0	36
133	Bryostatins 1, a novel antineoplastic agent and protein kinase C activator, induces human myalgia and muscle metabolic defects: a 31P magnetic resonance spectroscopic study. British Journal of Cancer, 1995, 72, 998-1003.	6.4	36
134	Mitochondrial dysfunction in chronic ischemia and peripheral vascular disease. Mitochondrion, 2004, 4, 629-640.	3.4	36
135	Exercise capacity and quadriceps muscle metabolism following training in subjects with COPD. Respiratory Medicine, 2006, 100, 1817-1825.	2.9	36
136	Assessment of functional recovery in tennis elbow. Journal of Electromyography and Kinesiology, 2009, 19, 631-638.	1.7	36
137	Is pH a biochemical marker of IQ?. Proceedings of the Royal Society B: Biological Sciences, 1996, 263, 1061-1064.	2.6	35
138	Shared gray matter alterations in individuals with diverse behavioral addictions: A voxel-wise meta-analysis. Journal of Behavioral Addictions, 2020, 9, 44-57.	3.7	34
139	Skeletal muscle bioenergetics in myotonic dystrophy. Journal of the Neurological Sciences, 1993, 116, 193-200.	0.6	33
140	Quantitative analysis of skeletal muscle bioenergetics and proton efflux in migraine and cluster headache. Journal of the Neurological Sciences, 1997, 146, 73-80.	0.6	33
141	Randomized, placebo-controlled, double-blind pilot trial of ramipril in McArdle's disease. Muscle and Nerve, 2008, 37, 350-357.	2.2	33
142	The Effect of Neoadjuvant Chemoradiotherapy on Whole-Body Physical Fitness and Skeletal Muscle Mitochondrial Oxidative Phosphorylation In Vivo in Locally Advanced Rectal Cancer Patients – An Observational Pilot Study. PLoS ONE, 2014, 9, e111526.	2.5	33
143	MITOCHONDRIA: Investigation of in vivo muscle mitochondrial function by 31P magnetic resonance spectroscopy. International Journal of Biochemistry and Cell Biology, 2014, 50, 67-72.	2.8	33
144	Skeletal muscle ATP synthesis and cellular H+ handling measured by localized 31P-MRS during exercise and recovery. Scientific Reports, 2016, 6, 32037.	3.3	33

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145	Endothelial dysfunction in hyperandrogenic polycystic ovary syndrome is not explained by either obesity or ectopic fat deposition. <i>Clinical Science</i> , 2014, 126, 67-74.	4.3	32
146	Assessment of hepatic iron overload in thalassemic patients by magnetic resonance spectroscopy. <i>Hepatology</i> , 1994, 19, 904-910.	7.3	30
147	Title is missing!. <i>Molecular and Cellular Biochemistry</i> , 1998, 184, 249-289.	3.1	29
148	Effects of 6 months glucagon-like peptide-1 receptor agonist treatment on endothelial function in type 2 diabetes mellitus patients. <i>Diabetes, Obesity and Metabolism</i> , 2013, 15, 770-773.	4.4	29
149	COVID-19 vicarious traumatization links functional connectome to general distress. <i>NeuroImage</i> , 2022, 255, 119185.	4.2	29
150	Regulation of Oxidative and Glycogenolytic ATP Synthesis in Exercising Rat Skeletal Muscle Studied by ³¹ P Magnetic Resonance Spectroscopy. , 1996, 9, 261-270.		28
151	Shoulder muscle activation and fatigue during a controlled forceful hand grip task. <i>Journal of Electromyography and Kinesiology</i> , 2011, 21, 478-482.	1.7	28
152	Physical activity levels in locally advanced rectal cancer patients following neoadjuvant chemoradiotherapy and an exercise training programme before surgery: a pilot study. <i>Perioperative Medicine (London, England)</i> , 2017, 6, 3.	1.5	28
153	Psychoradiologic abnormalities of white matter in patients with bipolar disorder: diffusion tensor imaging studies using tract-based spatial statistics. <i>Journal of Psychiatry and Neuroscience</i> , 2019, 44, 32-44.	2.4	28
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