

# Graham J Kemp

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

360 papers	11,312 citations	58 h-index	88 g-index
374 ext. papers	12,912 ext. citations	5.2 avg, IF	6.11 L-index

#	Paper	IF	Citations
360	Schwann cells, neurotrophic factors, and peripheral nerve regeneration. <i>Microsurgery</i> , <b>1998</b> , 18, 397-405	2.1	372
359	Physical training improves skeletal muscle metabolism in patients with chronic heart failure. <i>Journal of the American College of Cardiology</i> , <b>1993</b> , 21, 1101-6	15.1	299
358	Is depression a disconnection syndrome? Meta-analysis of diffusion tensor imaging studies in patients with MDD. <i>Journal of Psychiatry and Neuroscience</i> , <b>2013</b> , 38, 49-56	4.5	287
357	Resting-state functional connectivity in treatment-resistant depression. <i>American Journal of Psychiatry</i> , <b>2011</b> , 168, 642-8	11.9	247
356	Absolute quantification of phosphorus metabolite concentrations in human muscle in vivo by 31P MRS: a quantitative review. <i>NMR in Biomedicine</i> , <b>2007</b> , 20, 555-65	4.4	226
355	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> , <b>2015</b> , 114, 244-51	5.4	214
354	Control of phosphocreatine resynthesis during recovery from exercise in human skeletal muscle. <i>NMR in Biomedicine</i> , <b>1993</b> , 6, 66-72	4.4	177
353	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> , <b>2012</b> , 7, e50117	3.7	160
352	Quantitative interpretation of bioenergetic data from 31P and 1H magnetic resonance spectroscopic studies of skeletal muscle: an analytical review. <i>Magnetic Resonance Quarterly</i> , <b>1994</b> , 10, 43-63		157
351	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> , <b>2012</b> , 97, 3709-16	5.6	155
350	Quantitative analysis by 31P magnetic resonance spectroscopy of abnormal mitochondrial oxidation in skeletal muscle during recovery from exercise. <i>NMR in Biomedicine</i> , <b>1993</b> , 6, 302-10	4.4	147
349	Abnormal regional spontaneous neural activity in treatment-refractory depression revealed by resting-state fMRI. <i>Human Brain Mapping</i> , <b>2011</b> , 32, 1290-9	5.9	146
348	Brain grey matter abnormalities in medication-free patients with major depressive disorder: a meta-analysis. <i>Psychological Medicine</i> , <b>2014</b> , 44, 2927-37	6.9	129
347	Quantification of metabolic differences in the frontal brain of depressive patients and controls obtained by 1H-MRS at 3 Tesla. <i>Investigative Radiology</i> , <b>2003</b> , 38, 403-8	10.1	122
346	A proton magnetic resonance spectroscopy study of age-related changes in frontal lobe metabolite concentrations. <i>Cerebral Cortex</i> , <b>2001</b> , 11, 598-605	5.1	113
345	Cardiopulmonary exercise variables are associated with postoperative morbidity after major colonic surgery: a prospective blinded observational study. <i>British Journal of Anaesthesia</i> , <b>2014</b> , 112, 665-71	5.4	112
344	Cellular energetics of dystrophic muscle. <i>Journal of the Neurological Sciences</i> , <b>1993</b> , 116, 201-6	3.2	110

343	Resistance training improves cardiac output, exercise capacity and tolerance to positive airway pressure in Fontan physiology. <i>International Journal of Cardiology</i> , <b>2013</b> , 168, 780-8	3.2	109
342	The production, buffering and efflux of protons in human skeletal muscle during exercise and recovery. <i>NMR in Biomedicine</i> , <b>1993</b> , 6, 73-83	4.4	109
341	Comparisons of ATP turnover in human muscle during ischemic and aerobic exercise using 31P magnetic resonance spectroscopy. <i>Magnetic Resonance in Medicine</i> , <b>1994</b> , 31, 248-58	4.4	107
340	Ageing: Effects on oxidative function of skeletal muscle in vivo. <i>Molecular and Cellular Biochemistry</i> , <b>1997</b> , 174, 321-324	4.2	103
339	High-field magnetic resonance imaging of suicidality in patients with major depressive disorder. <i>American Journal of Psychiatry</i> , <b>2010</b> , 167, 1381-90	11.9	99
338	Depressive disorders: focally altered cerebral perfusion measured with arterial spin-labeling MR imaging. <i>Radiology</i> , <b>2009</b> , 251, 476-84	20.5	95
337	Quantification of skeletal muscle mitochondrial function by 31P magnetic resonance spectroscopy techniques: a quantitative review. <i>Acta Physiologica</i> , <b>2015</b> , 213, 107-44	5.6	92
336	Effects of cardiac transplantation on bioenergetic abnormalities of skeletal muscle in congestive heart failure. <i>Circulation</i> , <b>1994</b> , 89, 1624-31	16.7	92
335	Interrelations of ATP synthesis and proton handling in ischaemically exercising human forearm muscle studied by 31P magnetic resonance spectroscopy. <i>Journal of Physiology</i> , <b>2001</b> , 535, 901-28	3.9	87
334	Mitochondrial function and oxygen supply in normal and in chronically ischemic muscle: a combined 31P magnetic resonance spectroscopy and near infrared spectroscopy study in vivo. <i>Journal of Vascular Surgery</i> , <b>2001</b> , 34, 1103-10	3.5	87
333	Bioenergetics of skeletal muscle in mitochondrial myopathy. <i>Journal of the Neurological Sciences</i> , <b>1994</b> , 127, 198-206	3.2	85
332	Short-term consumption of a high-fat diet impairs whole-body efficiency and cognitive function in sedentary men. <i>FASEB Journal</i> , <b>2011</b> , 25, 1088-96	0.9	83
331	Training partially reverses skeletal muscle metabolic abnormalities during exercise in heart failure. <i>Journal of Applied Physiology</i> , <b>1994</b> , 76, 1575-82	3.7	83
330	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> , <b>2014</b> , 171, 561-9	6.5	80
329	Cardiopulmonary exercise testing for the prediction of morbidity risk after rectal cancer surgery. <i>British Journal of Surgery</i> , <b>2014</b> , 101, 1166-72	5.3	79
328	Non-invasive methods for studying brain energy metabolism: what they show and what it means. <i>Developmental Neuroscience</i> , <b>2000</b> , 22, 418-28	2.2	79
327	Shoulder electromyography in multidirectional instability. <i>Journal of Shoulder and Elbow Surgery</i> , <b>2004</b> , 13, 24-9	4.3	78
326	Mitochondrial dysfunction in patients with primary congenital insulin resistance. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 2457-61	15.9	78

325	Disrupted brain network topology in pediatric posttraumatic stress disorder: A resting-state fMRI study. <i>Human Brain Mapping</i> , <b>2015</b> , 36, 3677-86	5.9	77
324	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> , <b>2007</b> , 9, 679-87	6.7	76
323	Skeletal muscle mitochondrial function studied by kinetic analysis of postexercise phosphocreatine resynthesis. <i>Journal of Applied Physiology</i> , <b>1995</b> , 78, 2131-9	3.7	73
322	The effects of neoadjuvant chemoradiotherapy on physical fitness and morbidity in rectal cancer surgery patients. <i>European Journal of Surgical Oncology</i> , <b>2014</b> , 40, 1421-8	3.6	72
321	Skeletal muscle abnormalities and exercise capacity in adults with a Fontan circulation. <i>Heart</i> , <b>2013</b> , 99, 1530-4	5.1	72
320	Neurotrophins, neurones and peripheral nerve regeneration. <i>Journal of Hand Surgery</i> , <b>1998</b> , 23, 433-7		71
319	Pain, functional disability, and psychologic status in tennis elbow. <i>Clinical Journal of Pain</i> , <b>2007</b> , 23, 482-9	5.5	70
318	Exercise training reverses endothelial dysfunction in nonalcoholic fatty liver disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2014</b> , 307, H1298-306	5.2	68
317	Neurotrophin-4 delivered by fibrin glue promotes peripheral nerve regeneration. <i>Muscle and Nerve</i> , <b>2001</b> , 24, 345-51	3.4	68
316	Exercise intervention in people with cancer undergoing adjuvant cancer treatment following surgery: A systematic review. <i>European Journal of Surgical Oncology</i> , <b>2015</b> , 41, 1590-602	3.6	67
315	Upper limb muscle imbalance in tennis elbow: a functional and electromyographic assessment. <i>Journal of Orthopaedic Research</i> , <b>2007</b> , 25, 1651-7	3.8	67
314	A relationship between impaired fetal growth and reduced muscle glycolysis revealed by <sup>31</sup> P magnetic resonance spectroscopy. <i>Diabetologia</i> , <b>1995</b> , 38, 1205-12	10.3	67
313	Altered resting-state functional activity in posttraumatic stress disorder: A quantitative meta-analysis. <i>Scientific Reports</i> , <b>2016</b> , 6, 27131	4.9	67
312	Development and validation of an elbow score. <i>British Journal of Rheumatology</i> , <b>2004</b> , 43, 1434-40		66
311	Calcium and orthophosphate deposits in vitro do not imply osteoblast-mediated mineralization: mineralization by betaglycerophosphate in the absence of osteoblasts. <i>Bone</i> , <b>1990</b> , 11, 385-91	4.7	66
310	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> , <b>2016</b> , 130, 93-104	6.5	66
309	Arthroscopic stabilization of the shoulder: a prospective randomized study of absorbable versus nonabsorbable suture anchors. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , <b>2006</b> , 22, 716-20	5.4	64
308	Disturbed energy metabolism and muscular dystrophy caused by pure creatine deficiency are reversible by creatine intake. <i>Journal of Physiology</i> , <b>2013</b> , 591, 571-92	3.9	62

307	Effect of creatine on aerobic and anaerobic metabolism in skeletal muscle in swimmers. <i>British Journal of Sports Medicine</i> , <b>1996</b> , 30, 222-5	10.3	62
306	Reduced physical activity in young and older adults: metabolic and musculoskeletal implications. <i>Therapeutic Advances in Endocrinology and Metabolism</i> , <b>2019</b> , 10, 2042018819888824	4.5	62
305	The regulation of total creatine content in a myoblast cell line. <i>Molecular and Cellular Biochemistry</i> , <b>1996</b> , 158, 179-88	4.2	61
304	Microstructural brain abnormalities in patients with obsessive-compulsive disorder: diffusion-tensor MR imaging study at 3.0 T. <i>Radiology</i> , <b>2011</b> , 260, 216-23	20.5	59
303	A 31P magnetic resonance spectroscopy study of mitochondrial function in skeletal muscle of patients with Parkinson's disease. <i>Journal of the Neurological Sciences</i> , <b>1994</b> , 125, 77-81	3.2	58
302	Effect of Iron Isomaltoside on Skeletal Muscle Energetics in Patients With Chronic Heart Failure and Iron Deficiency. <i>Circulation</i> , <b>2019</b> , 139, 2386-2398	16.7	58
301	Intrinsic brain abnormalities in attention deficit hyperactivity disorder: a resting-state functional MR imaging study. <i>Radiology</i> , <b>2014</b> , 272, 514-23	20.5	57
300	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. <i>Heart</i> , <b>1996</b> , 76, 35-41	5.1	57
299	Calf muscle mitochondrial and glycogenolytic ATP synthesis in patients with claudication due to peripheral vascular disease analysed using 31P magnetic resonance spectroscopy. <i>Clinical Science</i> , <b>1995</b> , 89, 581-90	6.5	57
298	What do magnetic resonance-based measurements of Pi-ATP flux tell us about skeletal muscle metabolism?. <i>Diabetes</i> , <b>2012</b> , 61, 1927-34	0.9	56
297	Evidence for abnormal Na <sup>+</sup> /H <sup>+</sup> antiport activity detected by phosphorus nuclear magnetic resonance spectroscopy in exercising skeletal muscle of patients with essential hypertension. <i>Clinical Science</i> , <b>1990</b> , 79, 491-7	6.5	56
296	Aerobic exercise and muscle metabolism in patients with mitochondrial myopathy. <i>Muscle and Nerve</i> , <b>2006</b> , 33, 524-31	3.4	55
295	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> , <b>2018</b> , 61, 1282-1294	10.3	54
294	Skeletal muscle bioenergetics in the chronic fatigue syndrome. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , <b>1993</b> , 56, 679-83	5.5	54
293	Reduced cytosolic acidification during exercise suggests defective glycolytic activity in skeletal muscle of patients with Becker muscular dystrophy. An in vivo 31P magnetic resonance spectroscopy study. <i>Brain</i> , <b>1999</b> , 122 ( Pt 1), 121-30	11.2	53
292	Brain abnormalities in Duchenne muscular dystrophy: phosphorus-31 magnetic resonance spectroscopy and neuropsychological study. <i>Lancet, The</i> , <b>1995</b> , 345, 1260-4	4.0	53
291	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> , <b>2016</b> , 101, 4219-4228	5.6	53
290	Metabolically healthy and unhealthy obesity: differential effects on myocardial function according to metabolic syndrome, rather than obesity. <i>International Journal of Obesity</i> , <b>2016</b> , 40, 153-61	5.5	52

289	Heterogeneity in chronic fatigue syndrome: evidence from magnetic resonance spectroscopy of muscle. <i>Neuromuscular Disorders</i> , <b>1998</b> , 8, 204-9	2.9	52
288	Multivariate pattern analysis of DTI reveals differential white matter in individuals with obsessive-compulsive disorder. <i>Human Brain Mapping</i> , <b>2014</b> , 35, 2643-51	5.9	51
287	Comparing localized and nonlocalized dynamic 31P magnetic resonance spectroscopy in exercising muscle at 7 T. <i>Magnetic Resonance in Medicine</i> , <b>2012</b> , 68, 1713-23	4.4	51
286	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> , <b>1998</b> , 8, 317-22	2.5	50
285	Lactate accumulation, proton buffering, and pH change in ischemically exercising muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2005</b> , 289, R895-901; author reply R904-910	3.2	50
284	Brain biochemistry in Duchenne muscular dystrophy: a 1H magnetic resonance and neuropsychological study. <i>Journal of the Neurological Sciences</i> , <b>1998</b> , 160, 148-57	3.2	49
283	pH control in rat skeletal muscle during exercise, recovery from exercise, and acute respiratory acidosis. <i>Magnetic Resonance in Medicine</i> , <b>1994</b> , 31, 103-9	4.4	49
282	Dynapenic obesity and the risk of incident Type 2 diabetes: the English Longitudinal Study of Ageing. <i>Diabetic Medicine</i> , <b>2016</b> , 33, 1052-9	3.5	48
281	Exercise intervention in people with cancer undergoing neoadjuvant cancer treatment and surgery: A systematic review. <i>European Journal of Surgical Oncology</i> , <b>2016</b> , 42, 28-38	3.6	47
280	Skeletal muscle ATP turnover by 31P magnetic resonance spectroscopy during moderate and heavy bilateral knee extension. <i>Journal of Physiology</i> , <b>2014</b> , 592, 5287-300	3.9	47
279	Abnormal mitochondrial function and muscle wasting, but normal contractile efficiency, in haemodialysed patients studied non-invasively in vivo. <i>Nephrology Dialysis Transplantation</i> , <b>2004</b> , 19, 1520-7	4.3	47
278	Meta-analysis of cortical thickness abnormalities in medication-free patients with major depressive disorder. <i>Neuropsychopharmacology</i> , <b>2020</b> , 45, 703-712	8.7	46
277	The effect of high-altitude on human skeletal muscle energetics: P-MRS results from the Caudwell Xtreme Everest expedition. <i>PLoS ONE</i> , <b>2010</b> , 5, e10681	3.7	45
276	Muscle metabolism and activation heterogeneity by combined 31P chemical shift and T2 imaging, and pulmonary O2 uptake during incremental knee-extensor exercise. <i>Journal of Applied Physiology</i> , <b>2013</b> , 115, 839-49	3.7	44
275	Association between language and spatial laterality and cognitive ability: an fMRI study. <i>NeuroImage</i> , <b>2012</b> , 59, 1818-29	7.9	43
274	Proton efflux in human skeletal muscle during recovery from exercise. <i>European Journal of Applied Physiology</i> , <b>1997</b> , 76, 462-71	3.4	43
273	Does unstable slipped capital femoral epiphysis require urgent stabilization?. <i>Journal of Pediatric Orthopaedics Part B</i> , <b>2007</b> , 16, 6-9	1.4	43
272	The role of cutaneous sensation in the motor function of the hand. <i>Journal of Orthopaedic Research</i> , <b>2004</b> , 22, 862-6	3.8	43



271	Interactions of mitochondrial ATP synthesis and the creatine kinase equilibrium in skeletal muscle. <i>Journal of Theoretical Biology</i> , <b>1994</b> , 170, 239-46	2.3	42
270	Shoulder muscle activation and coordination in patients with a massive rotator cuff tear: an electromyographic study. <i>Journal of Orthopaedic Research</i> , <b>2012</b> , 30, 1140-6	3.8	41
269	Circadian Changes in Plasma Phosphate Concentration, Urinary Phosphate Excretion, and Cellular Phosphate Shifts. <i>Clinical Chemistry</i> , <b>1992</b> , 38, 400-402	5.5	41
268	Functional Brain Connectome and Its Relation to Hoehn and Yahr Stage in Parkinson Disease. <i>Radiology</i> , <b>2017</b> , 285, 904-913	20.5	40
267	Functional MRI reveals different response inhibition between adults and children with ADHD. <i>Neuropsychology</i> , <b>2015</b> , 29, 874-81	3.8	40
266	Sodium is elevated in mdx muscles: ionic interactions in dystrophic cells. <i>Journal of the Neurological Sciences</i> , <b>1993</b> , 114, 76-80	3.2	40
265	Ageing: effects on oxidative function of skeletal muscle in vivo. <i>Molecular and Cellular Biochemistry</i> , <b>1997</b> , 174, 321-4	4.2	40
264	White Matter Abnormalities in Post-traumatic Stress Disorder Following a Specific Traumatic Event. <i>EBioMedicine</i> , <b>2016</b> , 4, 176-83	8.8	39
263	Effect of chronic uraemia on skeletal muscle metabolism in man. <i>Nephrology Dialysis Transplantation</i> , <b>1993</b> , 8, 218-22	4.3	39
262	Normal shoulder muscular activation and co-ordination during a shoulder elevation task based on activities of daily living: an electromyographic study. <i>Journal of Orthopaedic Research</i> , <b>2012</b> , 30, 53-60	3.8	38
261	Exercise training improves cutaneous microvascular function in nonalcoholic fatty liver disease. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2013</b> , 305, E50-8	6	38
260	The interpretation of abnormal <sup>31</sup> P magnetic resonance saturation transfer measurements of Pi/ATP exchange in insulin-resistant skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2008</b> , 294, E640-2; author reply E643-4	6	38
259	Estimation of body composition in muscular dystrophy by MRI and stereology. <i>Journal of Magnetic Resonance Imaging</i> , <b>2000</b> , 12, 467-75	5.6	38
258	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> , <b>1997</b> , 5, 165-71	2.8	37
257	Strength and fatigability of selected muscles in upper limb: assessing muscle imbalance relevant to tennis elbow. <i>Journal of Electromyography and Kinesiology</i> , <b>2007</b> , 17, 428-36	2.5	37
256	Hepatic steatosis, GH deficiency and the effects of GH replacement: a Liverpool magnetic resonance spectroscopy study. <i>European Journal of Endocrinology</i> , <b>2012</b> , 166, 993-1002	6.5	36
255	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> , <b>2003</b> , 19, 227-33	5.4	36
254	Creatine uptake in isolated soleus muscle: kinetics and dependence on sodium, but not on insulin. <i>Acta Physiologica Scandinavica</i> , <b>1999</b> , 166, 99-104		36

253	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> , <b>2016</b> , 40, 1927-1930	5.5	35
252	Bryostatins 1, a novel antineoplastic agent and protein kinase C activator, induces human myalgia and muscle metabolic defects: a 31P magnetic resonance spectroscopic study. <i>British Journal of Cancer</i> , <b>1995</b> , 72, 998-1003	8.7	35
251	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> , <b>2015</b> , 40, 401-11	4.5	34
250	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> , <b>2008</b> , 27, 1214-20	5.6	34
249	Markers of oxidative stress in the skeletal muscle of patients on haemodialysis. <i>Nephrology Dialysis Transplantation</i> , <b>2007</b> , 22, 1177-83	4.3	34
248	Mitochondrial dysfunction in chronic ischemia and peripheral vascular disease. <i>Mitochondrion</i> , <b>2004</b> , 4, 629-40	4.9	34
247	Dynamic interleaved 1H/31P STEAM MRS at 3 Tesla using a pneumatic force-controlled plantar flexion exercise rig. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2005</b> , 18, 257-62	2.8	34
246	Skeletal muscle metabolism during exercise and recovery in patients with respiratory failure. <i>Thorax</i> , <b>1993</b> , 48, 486-90	7.3	34
245	ATP production and mechanical work in exercising skeletal muscle: a theoretical analysis applied to 31P magnetic resonance spectroscopic studies of dialyzed uremic patients. <i>Magnetic Resonance in Medicine</i> , <b>1995</b> , 33, 601-9	4.4	34
244	Matrix Metalloproteinase Expression Is Related to Angiogenesis and Histologic Grade in Spindle Cell Soft Tissue Neoplasms of the Extremities. <i>American Journal of Clinical Pathology</i> , <b>2005</b> , 123, 405-414 <sup>1.9</sup>		33
243	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> , <b>2017</b> , 7, 10401	4.9	32
242	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> , <b>2007</b> , 57, 654-60	4.4	32
241	Nitric oxide-mediated cutaneous microvascular function is impaired in polycystic ovary syndrome but can be improved by exercise training. <i>Journal of Physiology</i> , <b>2013</b> , 591, 1475-87	3.9	31
240	Skeletal muscle metabolism in myotonic dystrophy A 31P magnetic resonance spectroscopy study. <i>Brain</i> , <b>1997</b> , 120 (Pt 10), 1699-711	11.2	31
239	Bifocal/varifocal spectacles, lighting and missed-step accidents. <i>Safety Science</i> , <b>2001</b> , 38, 211-226	5.8	31
238	Skeletal muscle bioenergetics in myotonic dystrophy. <i>Journal of the Neurological Sciences</i> , <b>1993</b> , 116, 193-200	3.2	31
237	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> , <b>2017</b> , 210, 303-311	6.6	30
236	Electromyographic Analysis of the Shoulder Girdle Musculature During External Rotation Exercises. <i>Orthopaedic Journal of Sports Medicine</i> , <b>2015</b> , 3, 2325967115613988	3.5	30



235	Anatomic Insights into Disrupted Small-World Networks in Pediatric Posttraumatic Stress Disorder. <i>Radiology</i> , <b>2017</b> , 282, 826-834	20.5	30
234	Quantitative analysis of skeletal muscle bioenergetics and proton efflux in migraine and cluster headache. <i>Journal of the Neurological Sciences</i> , <b>1997</b> , 146, 73-80	3.2	30
233	Randomized, placebo-controlled, double-blind pilot trial of ramipril in McArdleQ disease. <i>Muscle and Nerve</i> , <b>2008</b> , 37, 350-7	3.4	30
232	Exercise capacity and quadriceps muscle metabolism following training in subjects with COPD. <i>Respiratory Medicine</i> , <b>2006</b> , 100, 1817-25	4.6	30
231	The effect of sex and handedness on white matter anisotropy: a diffusion tensor magnetic resonance imaging study. <i>Neuroscience</i> , <b>2012</b> , 207, 227-42	3.9	29
230	MITOCHONDRIA: investigation of in vivo muscle mitochondrial function by <sup>31</sup> P magnetic resonance spectroscopy. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2014</b> , 50, 67-72	5.6	28
229	Explaining pH change in exercising muscle: lactic acid, proton consumption, and buffering vs. strong ion difference. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2006</b> , 291, R235-7; author reply R238-9	3.2	28
228	Is pH a biochemical marker of IQ?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>1996</b> , 263, 1061-4	4.4	28
227	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> , <b>2018</b> , 43, 427	4.5	28
226	Assessment of hepatic iron overload in thalassemic patients by magnetic resonance spectroscopy. <i>Hepatology</i> , <b>1994</b> , 19, 904-910	11.2	27
225	Endothelial dysfunction in hyperandrogenic polycystic ovary syndrome is not explained by either obesity or ectopic fat deposition. <i>Clinical Science</i> , <b>2014</b> , 126, 67-74	6.5	26
224	Exercise training in polycystic ovarian syndrome enhances flow-mediated dilation in the absence of changes in fatness. <i>Medicine and Science in Sports and Exercise</i> , <b>2013</b> , 45, 2234-42	1.2	26
223	Theoretical modelling of some spatial and temporal aspects of the mitochondrion/creatine kinase/myofibril system in muscle. <i>Molecular and Cellular Biochemistry</i> , <b>1998</b> , 184, 249-289	4.2	26
222	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. <i>PLoS ONE</i> , <b>2014</b> , 9, e111526	3.7	25
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