Matthew J Sharman

List of Publications by Year
in descending order

75 papers	3,512 citations	136950 32 h-index	138484 58 g-index
79 all docs	79 docs citations	79 times ranked	4512 citing authors

#	Article	IF	Citations
1	Lipoic acid as an anti-inflammatory and neuroprotective treatment for Alzheimer's disease. Advanced Drug Delivery Reviews, 2008, 60, 1463-1470.	13.7	288
2	A Ketogenic Diet Favorably Affects Serum Biomarkers for Cardiovascular Disease in Normal-Weight Men. Journal of Nutrition, 2002, 132, 1879-1885.	2.9	261
3	Cholesterol metabolism and transport in the pathogenesis of Alzheimerâ€™s disease. Journal of Neurochemistry, 2009, 111, 1275-1308.	3.9	211
4	Body composition and hormonal responses to a carbohydrate-restricted diet. Metabolism: Clinical and Experimental, 2002, 51, 864-870.	3.4	199
5	Novel promising therapeutics against chronic neuroinflammation and neurodegeneration in Alzheimer's disease. Neurochemistry International, 2016, 95, 63-74.	3.8	145
6	Very Low-Carbohydrate and Low-Fat Diets Affect Fasting Lipids and Postprandial Lipemia Differently in Overweight Men. Journal of Nutrition, 2004, 134, 880-885.	2.9	140
7	Comparison of a Very Low-Carbohydrate and Low-Fat Diet on Fasting Lipids, LDL Subclasses, Insulin Resistance, and Postprandial Lipemic Responses in Overweight Women. Journal of the American College of Nutrition, 2004, 23, 177-184.	1.8	135
8	Modification of Lipoproteins by Very Low-Carbohydrate Diets. Journal of Nutrition, 2005, 135, 1339-1342.	2.9	130
9	Weight loss leads to reductions in inflammatory biomarkers after a very-low-carbohydrate diet and a low-fat diet in overweight men. Clinical Science, 2004, 107, 365-369.	4.3	113
10	An Isoenergetic Very Low Carbohydrate Diet Improves Serum HDL Cholesterol and Triacylglycerol Concentrations, the Total Cholesterol to HDL Cholesterol Ratio and Postprandial Lipemic Responses Compared with a Low Fat Diet in Normal Weight, Normolipidemic Women. Journal of Nutrition, 2003, 133, 2756-2761.	2.9	106
11	Androgen receptor content following heavy resistance exercise in men. Journal of Steroid Biochemistry and Molecular Biology, 2005, 93, 35-42.	2.5	103
12	Resistance Training in Patients With Peripheral Arterial Disease: Effects on Myosin Isoforms, Fiber Type Distribution, and Capillary Supply to Skeletal Muscle. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2001, 56, B302-B310.	3.6	99
13	Maintenance of the LDL Cholesterol:HDL Cholesterol Ratio in an Elderly Population Given a Dietary Cholesterol Challenge. Journal of Nutrition, 2005, 135, 2793-2798.	2.9	93
14	Muscle fiber characteristics in patients with peripheral arterial disease. Medicine and Science in Sports and Exercise, 2001, 33, 2016-2021.	0.4	85
15	The effects of creatine supplementation on muscular performance and body composition responses to short-term resistance training overreaching. European Journal of Applied Physiology, 2004, 91, 628-637.	2.5	83
16	High intake of cholesterol results in less atherogenic low-density lipoprotein particles in men and women independent of response classification. Metabolism: Clinical and Experimental, 2004, 53, 823-830.	3.4	71
17	Effects of a carbohydrate-restricted diet with and without supplemental soluble fiber on plasma low-density lipoprotein cholesterol and other clinical markers of cardiovascular risk. Metabolism: Clinical and Experimental, 2007, 56, 58-67.	3.4	69
18	Increasing fluid milk favorably affects bone mineral density responses to resistance training in adolescent boys. Journal of the American Dietetic Association, 2003, 103, 1353-1356.	1.1	67

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19	High-Affinity Growth Hormone Binding Protein and Acute Heavy Resistance Exercise. Medicine and Science in Sports and Exercise, 2005, 37, 395-403.	0.4	67
20	Androgenic Responses to Resistance Exercise. Medicine and Science in Sports and Exercise, 2006, 38, 1288-1296.	0.4	65
21	The Effects of Amino Acid Supplementation on Muscular Performance During Resistance Training Overreaching. Journal of Strength and Conditioning Research, 2003, 17, 250.	2.1	52
22	The Effects of L-Carnitine L-Tartrate Supplementation on Hormonal Responses to Resistance Exercise and Recovery. Journal of Strength and Conditioning Research, 2003, 17, 455.	2.1	52
23	Effects of a high-fat diet on postabsorptive and postprandial testosterone responses to a fat-rich meal. Metabolism: Clinical and Experimental, 2001, 50, 1351-1355.	3.4	51
24	Changes in myosin heavy chain composition with heavy resistance training in 60- to 75-year-old men and women. European Journal of Applied Physiology, 2001, 84, 127-132.	2.5	47
25	APOE Genotype Results in Differential Effects on the Peripheral Clearance of Amyloid-Î²42 in APOE Knock-in and Knock-out Mice. Journal of Alzheimer's Disease, 2010, 21, 403-409.	2.6	47
26	Endurance Capacity and High-Intensity Exercise Performance Responses to a High-Fat Diet. International Journal of Sport Nutrition and Exercise Metabolism, 2003, 13, 466-478.	2.1	43
27	Cardiovascular and Hormonal Aspects of Veryâ€Łowâ€Carbohydrate Ketogenic Diets. Obesity, 2004, 12, 115S-23S.	4.0	42
28	Two weeks of reducedâ€volume sprint interval or traditional exercise training does not improve metabolic functioning in sedentary obese men. Diabetes, Obesity and Metabolism, 2013, 15, 1146-1153.	4.4	42
29	The Guinea Pig as a Model for Sporadic Alzheimerâ€™s Disease (AD): The Impact of Cholesterol Intake on Expression of AD-Related Genes. PLoS ONE, 2013, 8, e66235.	2.5	42
30	Detraining produces minimal changes in physical performance and hormonal variables in recreationally strength-trained men. Journal of Strength and Conditioning Research, 2002, 16, 373-82.	2.1	42
31	Protocol for a randomized controlled trial evaluating the effect of physical activity on delaying the progression of white matter changes on MRI in older adults with memory complaints and mild cognitive impairment: The AIBL Active trial. BMC Psychiatry, 2012, 12, 167.	2.6	40
32	Assessment of diets containing curcumin, epigallocatechin-3-gallate, docosahexaenoic acid and Î±-lipoic acid on amyloid load and inflammation in a male transgenic mouse model of Alzheimer's disease: Are combinations more effective?. Neurobiology of Disease, 2019, 124, 505-519.	4.4	36
33	Effects of a high-fat, high-cholesterol diet on brain lipid profiles in apolipoprotein E É›3 and É›4 knock-in mice. Neurobiology of Aging, 2013, 34, 2217-2224.	3.1	30
34	Profiling Brain and Plasma Lipids in Human APOE Îµ2, Îµ3, and Îµ4 Knock-in Mice Using Electrospray Ionization Mass Spectrometry. Journal of Alzheimer's Disease, 2010, 20, 105-111.	2.6	29
35	Effect of a 24-month physical activity program on brain changes in older adults at risk of Alzheimer's disease: the AIBL active trial. Neurobiology of Aging, 2020, 89, 132-141.	3.1	28
36	Targeting Inflammatory Pathways in Alzheimerâ€™s Disease: A Focus on Natural Products and Phytomedicines. CNS Drugs, 2019, 33, 457-480.	5.9	27

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37	The effect of APOE genotype on brain levels of oxysterols in young and old human APOE Îµ2, Îµ3 and Îµ4 knock-in mice. Neuroscience, 2010, 169, 109-115.	2.3	25
38	Longitudinal Tracking of Muscular Power Changes of NCAA Division I Collegiate Women Gymnasts. Journal of Strength and Conditioning Research, 2004, 18, 101.	2.1	25
39	Cortitrol supplementation reduces serum cortisol responses to physical stress. Metabolism: Clinical and Experimental, 2005, 54, 657-668.	3.4	23
40	Weight loss associated with reduced intake of carbohydrate reduces the atherogenicity of LDL in premenopausal women. Metabolism: Clinical and Experimental, 2005, 54, 1133-1141.	3.4	22
41	A Cetylated Fatty Acid Topical Cream With Menthol Reduces Pain and Improves Functional Performance in Individuals With Arthritis. Journal of Strength and Conditioning Research, 2005, 19, 475.	2.1	20
42	Development of a nonâ€targeted metabolomics method to investigate urine in a rat model of polycystic kidney disease. Nephrology, 2012, 17, 104-110.	1.6	19
43	A Randomized Controlled Trial of Adherence to a 24-Month Home-Based Physical Activity Program and the Health Benefits for Older Adults at Risk of Alzheimerâ€™s Disease: The AIBL Active-Study. Journal of Alzheimer's Disease, 2019, 70, S187-S205.	2.6	18
44	Replacing dietary carbohydrate with protein and fat decreases the concentrations of small LDL and the inflammatory response induced by atherogenic diets in the guinea pigâ˜†. Journal of Nutritional Biochemistry, 2008, 19, 732-738.	4.2	17
45	Effects of Chromium Supplementation on Glycogen Synthesis after High-Intensity Exercise. Medicine and Science in Sports and Exercise, 2006, 38, 2102-2109.	0.4	16
46	Influence of muscle strength and total work on exercise-induced plasma growth hormone isoforms in women. Journal of Science and Medicine in Sport, 2003, 6, 295-306.	1.3	15
47	Dietary carbohydrate and cholesterol influence the number of particles and distributions of lipoprotein subfractions in guinea pigs. Journal of Nutritional Biochemistry, 2006, 17, 773-779.	4.2	14
48	Safety Measures of l-Carnitine l-Tartrate Supplementation in Healthy Men. Journal of Strength and Conditioning Research, 2001, 15, 486.	2.1	14
49	Statistical Analysis of Fiber Area in Human Skeletal Muscle. Applied Physiology, Nutrition, and Metabolism, 2002, 27, 415-422.	1.7	13
50	Relationship of Established Cardiovascular Risk Factors and Peripheral Biomarkers on Cognitive Function in Adults at Risk of Cognitive Deterioration. Journal of Alzheimer's Disease, 2020, 74, 163-171.	2.6	13
51	Carbohydrate Restriction Alters Hepatic Cholesterol Metabolism in Guinea Pigs Fed a Hypercholesterolemic Diet. Journal of Nutrition, 2007, 137, 2219-2223.	2.9	12
52	The Effects of Carbohydrate Loading on Repetitive Jump Squat Power Performance. Journal of Strength and Conditioning Research, 2006, 20, 167.	2.1	11
53	Semiâ€automated hippocampal segmentation in people with cognitive impairment using an age appropriate template for registration. Journal of Magnetic Resonance Imaging, 2015, 42, 1631-1638.	3.4	9
54	Baseline White Matter Is Associated With Physical Fitness Change in Preclinical Alzheimerâ€™s Disease. Frontiers in Aging Neuroscience, 2020, 12, 115.	3.4	7

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55	Effects of Vitamin E Supplementation on Recovery From Repeated Bouts of Resistance Exercise. Journal of Strength and Conditioning Research, 2003, 17, 801-809.	2.1	6
56	Effects of Heavy Resistance Exercise Volume on Post-Exercise Androgen Receptor Content in Resistance-Trained Men. Medicine and Science in Sports and Exercise, 2004, 36, S238.	0.4	6
57	Alterations in dorsal and ventral posterior cingulate connectivity in APOEÎµ4 carriers at risk of Alzheimer's disease. BJPsych Open, 2015, 1, 139-148.	0.7	5
58	A Comparison of Diet Quality in a Sample of Rural and Urban Australian Adults. Nutrients, 2021, 13, 4130.	4.1	5
59	Physiological and Functional Effects of Acute Low-Frequency Hand-Arm Vibration. Journal of Strength and Conditioning Research, 2003, 17, 686.	2.1	3
60	Responses of plasma proenkephalin peptide F in rats following 14 days of spaceflight. Aviation, Space, and Environmental Medicine, 2004, 75, 114-7.	0.5	3
61	Detraining Produces Minimal Changes in Physical Performance and Hormonal Variables in Recreationally Strength-Trained Men. Journal of Strength and Conditioning Research, 2002, 16, 373-382.	2.1	2
62	The Effects of L-Carnitine L-Tartrate Supplementation on Hormonal Responses to Resistance Exercise and Recovery. Journal of Strength and Conditioning Research, 2003, 17, 455-462.	2.1	1
63	The Effects of Amino Acid Supplementation on Muscular Performance During Resistance Training Overreaching. Journal of Strength and Conditioning Research, 2003, 17, 250-258.	2.1	1
64	Effects of Chromium Supplementation on Glycogen Synthesis and Insulin Signaling After High-Intensity Exercise. Medicine and Science in Sports and Exercise, 2006, 38, S192.	0.4	1
65	Effects of a physical activity intervention on brain atrophy in older adults at risk of dementia: a randomized controlled trial. Brain Imaging and Behavior, 2021, 15, 2833-2842.	2.1	1
66	Physiological and Functional Effects of Acute Low-Frequency Hand-Arm Vibration. Journal of Strength and Conditioning Research, 2003, 17, 686-693.	2.1	0
67	EFFECTS OF TREATMENT WITH A CETYLATED FATTY ACID TOPICAL CREAM ON STATIC POSTURAL STABILITY AND PLANTAR PRESSURE DISTRIBUTION IN PATIENTS WITH KNEE OSTEOARTHRITIS. Journal of Strength and Conditioning Research, 2005, 19, 115-121.	2.1	0
68	Corrigendum to: â€œInfluence of muscle strength and total work on exercise-induced plasma growth hormone isoforms in womenâ€•[J Sci Med Sport 2002;6(3):295â€“306]. Journal of Science and Medicine in Sport, 2006, 9, 352.	1.3	0
69	Effect of nutritional supplement therapies in the prevention of Alzheimerâ€™s disease in a transgenic mouse model. Journal of Nutrition & Intermediary Metabolism, 2014, 1, 32.	1.7	0
70	Response of High-Affinity Growth Hormone Binding Protein to Acute Heavy Resistance Exercise. Medicine and Science in Sports and Exercise, 2004, 36, S239.	0.4	0
71	Testosterone And Androgen Receptor Responses To Resistance Exercise. Medicine and Science in Sports and Exercise, 2005, 37, S239.	0.4	0
72	Influence Of Diuretic-induced Dehydration On Competitive Sprint And Power Performance. Medicine and Science in Sports and Exercise, 2005, 37, S41.	0.4	0

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73	CortitrolTm Supplementation Reduces Serum Cortisol Responses To Physical Stress. Medicine and Science in Sports and Exercise, 2005, 37, S44.	0.4	0
74	Influence Of Catecholamines On Muscle Force Production Capabilities. Medicine and Science in Sports and Exercise, 2005, 37, S240-S241.	0.4	0
75	A carbohydrate restricted diet is superior to a lowâ€fat diet in subjects with metabolic syndrome. FASEB Journal, 2006, 20, A125.	0.5	0