

# Matthew J Sharman

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Effects of a physical activity intervention on brain atrophy in older adults at risk of dementia: a randomized controlled trial. <i>Brain Imaging and Behavior</i> , 2021, 15, 2833-2842.	2.1	1
2	A Comparison of Diet Quality in a Sample of Rural and Urban Australian Adults. <i>Nutrients</i> , 2021, 13, 4130.	4.1	5
3	Effect of a 24-month physical activity program on brain changes in older adults at risk of Alzheimer's disease: the AIBL active trial. <i>Neurobiology of Aging</i> , 2020, 89, 132-141.	3.1	28
4	Relationship of Established Cardiovascular Risk Factors and Peripheral Biomarkers on Cognitive Function in Adults at Risk of Cognitive Deterioration. <i>Journal of Alzheimer's Disease</i> , 2020, 74, 163-171.	2.6	13
5	Baseline White Matter Is Associated With Physical Fitness Change in Preclinical Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 115.	3.4	7
6	Targeting Inflammatory Pathways in Alzheimer's Disease: A Focus on Natural Products and Phytomedicines. <i>CNS Drugs</i> , 2019, 33, 457-480.	5.9	27
7	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 Alzheimer's Disease: The AIBL Active-Study. <i>Journal of Alzheimer's Disease</i> , 2019, 70, S187-S205.	2.6	18
8	Assessment of diets containing curcumin, epigallocatechin-3-gallate, docosahexaenoic acid and $\alpha$ -lipoic acid on amyloid load and inflammation in a male transgenic mouse model of Alzheimer's disease: Are combinations more effective?. <i>Neurobiology of Disease</i> , 2019, 124, 505-519.	4.4	36
9	Novel promising therapeutics against chronic neuroinflammation and neurodegeneration in Alzheimer's disease. <i>Neurochemistry International</i> , 2016, 95, 63-74.	3.8	145
10	Alterations in dorsal and ventral posterior cingulate connectivity in APOE $\epsilon$ 4 carriers at risk of Alzheimer's disease. <i>BJPsych Open</i> , 2015, 1, 139-148.	0.7	5
11	Semi-automated hippocampal segmentation in people with cognitive impairment using an age appropriate template for registration. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 42, 1631-1638.	3.4	9
12	Effect of nutritional supplement therapies in the prevention of Alzheimer's disease in a transgenic mouse model. <i>Journal of Nutrition &amp; Intermediary Metabolism</i> , 2014, 1, 32.	1.7	0
13	Effects of a high-fat, high-cholesterol diet on brain lipid profiles in apolipoprotein E $\epsilon$ 3 and $\epsilon$ 4 knock-in mice. <i>Neurobiology of Aging</i> , 2013, 34, 2217-2224.	3.1	30
14	Two weeks of reduced-volume sprint interval or traditional exercise training does not improve metabolic functioning in sedentary obese men. <i>Diabetes, Obesity and Metabolism</i> , 2013, 15, 1146-1153.	4.4	42
15	The Guinea Pig as a Model for Sporadic Alzheimer's Disease (AD): The Impact of Cholesterol Intake on Expression of AD-Related Genes. <i>PLoS ONE</i> , 2013, 8, e66235.	2.5	42
16	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. <i>BMC Psychiatry</i> , 2012, 12, 167.	2.6	40
17	Development of a non-targeted metabolomics method to investigate urine in a rat model of polycystic kidney disease. <i>Nephrology</i> , 2012, 17, 104-110.	1.6	19
18	APOE Genotype Results in Differential Effects on the Peripheral Clearance of Amyloid- $\beta$ 42 in APOE Knock-in and Knock-out Mice. <i>Journal of Alzheimer's Disease</i> , 2010, 21, 403-409.	2.6	47

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19	Profiling Brain and Plasma Lipids in Human APOE $\epsilon$ 2, $\epsilon$ 3, and $\epsilon$ 4 Knock-in Mice Using Electrospray Ionization Mass Spectrometry. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 105-111.	2.6	29
20	The effect of APOE genotype on brain levels of oxysterols in young and old human APOE $\epsilon$ 2, $\epsilon$ 3 and $\epsilon$ 4 knock-in mice. <i>Neuroscience</i> , 2010, 169, 109-115.	2.3	25
21	Cholesterol metabolism and transport in the pathogenesis of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2009, 111, 1275-1308.	3.9	211
22	Replacing dietary carbohydrate with protein and fat decreases the concentrations of small LDL and the inflammatory response induced by atherogenic diets in the guinea pig. <i>Journal of Nutritional Biochemistry</i> , 2008, 19, 732-738.	4.2	17
23	Lipoic acid as an anti-inflammatory and neuroprotective treatment for Alzheimer's disease. <i>Advanced Drug Delivery Reviews</i> , 2008, 60, 1463-1470.	13.7	288
24	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. <i>Metabolism: Clinical and Experimental</i> , 2007, 56, 58-67.	3.4	69
25	Carbohydrate Restriction Alters Hepatic Cholesterol Metabolism in Guinea Pigs Fed a Hypercholesterolemic Diet. <i>Journal of Nutrition</i> , 2007, 137, 2219-2223.	2.9	12
26	Effects of Chromium Supplementation on Glycogen Synthesis and Insulin Signaling After High-Intensity Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, S192.	0.4	1
27	Androgenic Responses to Resistance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 1288-1296.	0.4	65
28	Effects of Chromium Supplementation on Glycogen Synthesis after High-Intensity Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2006, 38, 2102-2109.	0.4	16
29	Dietary carbohydrate and cholesterol influence the number of particles and distributions of lipoprotein subfractions in guinea pigs. <i>Journal of Nutritional Biochemistry</i> , 2006, 17, 773-779.	4.2	14
30	Corrigendum to: "Influence of muscle strength and total work on exercise-induced plasma growth hormone isoforms in women" [ <i>J Sci Med Sport</i> 2002;6(3):295-306]. <i>Journal of Science and Medicine in Sport</i> , 2006, 9, 352.	1.3	0
31	The Effects of Carbohydrate Loading on Repetitive Jump Squat Power Performance. <i>Journal of Strength and Conditioning Research</i> , 2006, 20, 167.	2.1	11
32	A carbohydrate restricted diet is superior to a low-fat diet in subjects with metabolic syndrome. <i>FASEB Journal</i> , 2006, 20, A125.	0.5	0
33	Maintenance of the LDL Cholesterol:HDL Cholesterol Ratio in an Elderly Population Given a Dietary Cholesterol Challenge. <i>Journal of Nutrition</i> , 2005, 135, 2793-2798.	2.9	93
34	Modification of Lipoproteins by Very Low-Carbohydrate Diets. <i>Journal of Nutrition</i> , 2005, 135, 1339-1342.	2.9	130
35	EFFECTS OF TREATMENT WITH A CETYLATED FATTY ACID TOPICAL CREAM ON STATIC POSTURAL STABILITY AND PLANTAR PRESSURE DISTRIBUTION IN PATIENTS WITH KNEE OSTEOARTHRITIS. <i>Journal of Strength and Conditioning Research</i> , 2005, 19, 115-121.	2.1	0
36	High-Affinity Growth Hormone Binding Protein and Acute Heavy Resistance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, 395-403.	0.4	67

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37	Weight loss associated with reduced intake of carbohydrate reduces the atherogenicity of LDL in premenopausal women. <i>Metabolism: Clinical and Experimental</i> , 2005, 54, 1133-1141.	3.4	22
38	Androgen receptor content following heavy resistance exercise in men. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2005, 93, 35-42.	2.5	103
39	Cortisol supplementation reduces serum cortisol responses to physical stress. <i>Metabolism: Clinical and Experimental</i> , 2005, 54, 657-668.	3.4	23
40	A Cetylated Fatty Acid Topical Cream With Menthol Reduces Pain and Improves Functional Performance in Individuals With Arthritis. <i>Journal of Strength and Conditioning Research</i> , 2005, 19, 475.	2.1	20
41	Testosterone And Androgen Receptor Responses To Resistance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S239.	0.4	0
42	Influence Of Diuretic-induced Dehydration On Competitive Sprint And Power Performance. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S41.	0.4	0
43	Cortisol™ Supplementation Reduces Serum Cortisol Responses To Physical Stress. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S44.	0.4	0
44	Influence Of Catecholamines On Muscle Force Production Capabilities. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S240-S241.	0.4	0
45	Cardiovascular and Hormonal Aspects of Very Low-Carbohydrate Ketogenic Diets. <i>Obesity</i> , 2004, 12, 115S-23S.	4.0	42
46	The effects of creatine supplementation on muscular performance and body composition responses to short-term resistance training overreaching. <i>European Journal of Applied Physiology</i> , 2004, 91, 628-637.	2.5	83
47	Comparison of a Very Low-Carbohydrate and Low-Fat Diet on Fasting Lipids, LDL Subclasses, Insulin Resistance, and Postprandial Lipemic Responses in Overweight Women. <i>Journal of the American College of Nutrition</i> , 2004, 23, 177-184.	1.8	135
48	High intake of cholesterol results in less atherogenic low-density lipoprotein particles in men and women independent of response classification. <i>Metabolism: Clinical and Experimental</i> , 2004, 53, 823-830.	3.4	71
49	Very Low-Carbohydrate and Low-Fat Diets Affect Fasting Lipids and Postprandial Lipemia Differently in Overweight Men. <i>Journal of Nutrition</i> , 2004, 134, 880-885.	2.9	140
50	Weight loss leads to reductions in inflammatory biomarkers after a very-low-carbohydrate diet and a low-fat diet in overweight men. <i>Clinical Science</i> , 2004, 107, 365-369.	4.3	113
51	Longitudinal Tracking of Muscular Power Changes of NCAA Division I Collegiate Women Gymnasts. <i>Journal of Strength and Conditioning Research</i> , 2004, 18, 101.	2.1	25
52	Effects of Heavy Resistance Exercise Volume on Post-Exercise Androgen Receptor Content in Resistance-Trained Men. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, S238.	0.4	6
53	Response of High-Affinity Growth Hormone Binding Protein to Acute Heavy Resistance Exercise. <i>Medicine and Science in Sports and Exercise</i> , 2004, 36, S239.	0.4	0
54	Responses of plasma proenkephalin peptide F in rats following 14 days of spaceflight. <i>Aviation, Space, and Environmental Medicine</i> , 2004, 75, 114-7.	0.5	3

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55	Influence of muscle strength and total work on exercise-induced plasma growth hormone isoforms in women. <i>Journal of Science and Medicine in Sport</i> , 2003, 6, 295-306.	1.3	15
56	Increasing fluid milk favorably affects bone mineral density responses to resistance training in adolescent boys. <i>Journal of the American Dietetic Association</i> , 2003, 103, 1353-1356.	1.1	67
57	The Effects of L-Carnitine L-Tartrate Supplementation on Hormonal Responses to Resistance Exercise and Recovery. <i>Journal of Strength and Conditioning Research</i> , 2003, 17, 455-462.	2.1	1
58	The Effects of Amino Acid Supplementation on Muscular Performance During Resistance Training Overreaching. <i>Journal of Strength and Conditioning Research</i> , 2003, 17, 250-258.	2.1	1
59	Physiological and Functional Effects of Acute Low-Frequency Hand-Arm Vibration. <i>Journal of Strength and Conditioning Research</i> , 2003, 17, 686-693.	2.1	0
60	Effects of Vitamin E Supplementation on Recovery From Repeated Bouts of Resistance Exercise. <i>Journal of Strength and Conditioning Research</i> , 2003, 17, 801-809.	2.1	6
61	Endurance Capacity and High-Intensity Exercise Performance Responses to a High-Fat Diet. <i>International Journal of Sport Nutrition and Exercise Metabolism</i> , 2003, 13, 466-478.	2.1	43
62	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. <i>Journal of Nutrition</i> , 2003, 133, 2756-2761.	2.9	106
63	The Effects of Amino Acid Supplementation on Muscular Performance During Resistance Training Overreaching. <i>Journal of Strength and Conditioning Research</i> , 2003, 17, 250.	2.1	52
64	The Effects of L-Carnitine L-Tartrate Supplementation on Hormonal Responses to Resistance Exercise and Recovery. <i>Journal of Strength and Conditioning Research</i> , 2003, 17, 455.	2.1	52
65	Physiological and Functional Effects of Acute Low-Frequency Hand-Arm Vibration. <i>Journal of Strength and Conditioning Research</i> , 2003, 17, 686.	2.1	3
66	Detraining Produces Minimal Changes in Physical Performance and Hormonal Variables in Recreationally Strength-Trained Men. <i>Journal of Strength and Conditioning Research</i> , 2002, 16, 373-382.	2.1	2
67	A Ketogenic Diet Favorably Affects Serum Biomarkers for Cardiovascular Disease in Normal-Weight Men. <i>Journal of Nutrition</i> , 2002, 132, 1879-1885.	2.9	261
68	Statistical Analysis of Fiber Area in Human Skeletal Muscle. <i>Applied Physiology, Nutrition, and Metabolism</i> , 2002, 27, 415-422.	1.7	13
69	Body composition and hormonal responses to a carbohydrate-restricted diet. <i>Metabolism: Clinical and Experimental</i> , 2002, 51, 864-870.	3.4	199
70	Detraining produces minimal changes in physical performance and hormonal variables in recreationally strength-trained men. <i>Journal of Strength and Conditioning Research</i> , 2002, 16, 373-82.	2.1	42
71	Effects of a high-fat diet on postabsorptive and postprandial testosterone responses to a fat-rich meal. <i>Metabolism: Clinical and Experimental</i> , 2001, 50, 1351-1355.	3.4	51
72	Resistance Training in Patients With Peripheral Arterial Disease: Effects on Myosin Isoforms, Fiber Type Distribution, and Capillary Supply to Skeletal Muscle. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2001, 56, B302-B310.	3.6	99

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73	Muscle fiber characteristics in patients with peripheral arterial disease. <i>Medicine and Science in Sports and Exercise</i> , 2001, 33, 2016-2021.	0.4	85
74	Changes in myosin heavy chain composition with heavy resistance training in 60- to 75-year-old men and women. <i>European Journal of Applied Physiology</i> , 2001, 84, 127-132.	2.5	47
75	Safety Measures of L-Carnitine L-Tartrate Supplementation in Healthy Men. <i>Journal of Strength and Conditioning Research</i> , 2001, 15, 486.	2.1	14