

Giuseppe D'Antona

List of Publications by Year in descending order

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113
papers

6,569
citations

87843

38
h-index

64755

79
g-index

115
all docs

115
docs citations

115
times ranked

7568
citing authors

#	ARTICLE	IF	CITATIONS
1	The Ketogenic Diet: Is It an Answer for Sarcopenic Obesity?. <i>Nutrients</i> , 2022, 14, 620.	1.7	12
2	Disturbing Weight Cutting Behaviors in Young Combat Sports Athletes: A Cause for Concern. <i>Frontiers in Nutrition</i> , 2022, 9, 842262.	1.6	3
3	Editorial: Predicting Individual Responses to Exercise Interventions, Volume II. <i>Frontiers in Physiology</i> , 2022, 13, 850919.	1.3	0
4	Bioelectrical Impedance Vector Analysis Discriminates Aerobic Power in Futsal Players: The Role of Body Composition. <i>Biology</i> , 2022, 11, 505.	1.3	10
5	Identification of muscle innervation zones using linear electrode arrays: a fundamental step to measure fibers conduction velocity. <i>Arab Journal of Basic and Applied Sciences</i> , 2021, 28, 264-271.	1.0	1
6	Nutrition and Exercise in a Case of Carnitine Palmitoyl-Transferase II Deficiency. <i>Frontiers in Physiology</i> , 2021, 12, 637406.	1.3	4
7	Correlation between Patellar Tendon Mechanical Properties and Oxygenation Detection by Near Infrared Spectroscopy in Males. <i>Muscles, Ligaments and Tendons Journal</i> , 2021, 11, 54.	0.1	6
8	Increased resistance towards fatigability in patients with facioscapulohumeral muscular dystrophy. <i>European Journal of Applied Physiology</i> , 2021, 121, 1617-1629.	1.2	7
9	Behind the mask: Rethinking the use of face masks while exercising. <i>Science and Sports</i> , 2021, 36, 430-432.	0.2	4
10	Perspective: Practical Approach to Preventing Subclinical B12 Deficiency in Elderly Population. <i>Nutrients</i> , 2021, 13, 1913.	1.7	17
11	Muscle Fiber Conduction Velocity Correlates With the Age at Onset in Mild FSHD Cases. <i>Frontiers in Physiology</i> , 2021, 12, 686176.	1.3	0
12	Exercise, Nutrition, and Supplements in the Muscle Carnitine Palmitoyl-Transferase II Deficiency: New Theoretical Bases for Potential Applications. <i>Frontiers in Physiology</i> , 2021, 12, 704290.	1.3	3
13	Evaluation of performance fatigability through surface EMG in health and muscle disease: state of the art. <i>Arab Journal of Basic and Applied Sciences</i> , 2021, 28, 21-40.	1.0	5
14	Brain Oxygenation in Post-concussion Combat Sport Athletes. <i>Frontiers in Sports and Active Living</i> , 2021, 3, 725096.	0.9	3
15	Blockade of IGF2R improves muscle regeneration and ameliorates Duchenne muscular dystrophy. <i>EMBO Molecular Medicine</i> , 2020, 12, e11019.	3.3	18
16	Comparison of Cardiorespiratory and Metabolic Responses Between Kettlebell Half Marathon and Treadmill Running at the Same Average Oxygen Consumption: A Case Study. <i>Journal of Science in Sport and Exercise</i> , 2020, , 1.	0.4	1
17	The Long History of Vitamin C: From Prevention of the Common Cold to Potential Aid in the Treatment of COVID-19. <i>Frontiers in Immunology</i> , 2020, 11, 574029.	2.2	94
18	DXA-Derived Visceral Adipose Tissue (VAT) in Elderly: Percentiles of Reference for Gender and Association with Metabolic Outcomes. <i>Life</i> , 2020, 10, 163.	1.1	5

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19	Editorial: Predicting Individual Responses to Exercise Interventions. <i>Frontiers in Physiology</i> , 2020, 11, 559878.	1.3	1
20	Evidence-Based Role of Nutrients and Antioxidants for Chronic Pain Management in Musculoskeletal Frailty and Sarcopenia in Aging. <i>Geriatrics (Switzerland)</i> , 2020, 5, 16.	0.6	25
21	Natural products, PGC-1 , and Duchenne muscular dystrophy. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 734-745.	5.7	48
22	Effects of Daily Low-Dose Date Consumption on Glycemic Control, Lipid Profile, and Quality of Life in Adults with Pre- and Type 2 Diabetes: A Randomized Controlled Trial. <i>Nutrients</i> , 2020, 12, 217.	1.7	23
23	Sodium citrate supplementation: An updated revision and practical recommendations on exercise performance, hydration status, and potential risks. <i>Translational Sports Medicine</i> , 2020, 3, 518-525.	0.5	8
24	Study of the activation and oxygenation of multifidus and gluteus medius muscles during stretching of the lower limb posterior chain: comparison between two different executions techniques. <i>Muscles, Ligaments and Tendons Journal</i> , 2020, 10, 424.	0.1	0
25	A Review of Countermovement and Squat Jump Testing Methods in the Context of Public Health Examination in Adolescence: Reliability and Feasibility of Current Testing Procedures. <i>Frontiers in Physiology</i> , 2019, 10, 1384.	1.3	77
26	Correlations Between Myoelectric and Hemodynamic Parameters Changes in Biceps Brachii During Sustained Isometric Contraction in Healthy Elderly. <i>Journal of Science in Sport and Exercise</i> , 2019, 1, 116-123.	0.4	1
27	Reliability of surface electromyography in estimating muscle fiber conduction velocity: A systematic review. <i>Journal of Electromyography and Kinesiology</i> , 2019, 48, 53-68.	0.7	19
28	Bioavailability and In Vivo Antioxidant Activity of a Standardized Polyphenol Mixture Extracted from Brown Propolis. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1250.	1.8	48
29	Effects of 12 Weeks of Essential Amino Acids (EAA)-Based Multi-Ingredient Nutritional Supplementation on Muscle Mass, Muscle Strength, Muscle Power and Fatigue in Healthy Elderly Subjects: A Randomized Controlled Double-Blind Study. <i>Journal of Nutrition, Health and Aging</i> , 2019, 23, 414-424.	1.5	23
30	Creatine in Skeletal Muscle Physiology. , 2019, , 59-68.		5
31	Physiological aspects of muscular adaptations to training translated to neuromuscular diseases. <i>Acta Myologica</i> , 2019, 38, 197-206.	1.5	5
32	Opinion paper: scientific, philosophical and legal consideration of doping in sports. <i>European Journal of Applied Physiology</i> , 2018, 118, 729-736.	1.2	14
33	Validity and Reliability of a Non-invasive Test to Assess Quadriceps and Hamstrings Strength in Athletes. <i>Frontiers in Physiology</i> , 2018, 9, 1702.	1.3	10
34	Supplementation with a selective amino acid formula ameliorates muscular dystrophy in mdx mice. <i>Scientific Reports</i> , 2018, 8, 14659.	1.6	22
35	Essential Amino Acids (EAA) Mixture Supplementation: Effects of an Acute Administration Protocol on Myoelectric Manifestations of Fatigue in the Biceps Brachii After Resistance Exercise. <i>Frontiers in Physiology</i> , 2018, 9, 1140.	1.3	4
36	Effects of vitamin D on insulin resistance and myosteatosis in diet-induced obese mice. <i>PLoS ONE</i> , 2018, 13, e0189707.	1.1	69

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37	Test-retest reliability of muscle fiber conduction velocity and fractal dimension of surface EMG during isometric contractions. <i>Physiological Measurement</i> , 2017, 38, 616-630.	1.2	17
38	Association between Dietary Patterns of Meat and Fish Consumption with Bone Mineral Density or Fracture Risk: A Systematic Literature. <i>Nutrients</i> , 2017, 9, 1029.	1.7	12
39	mTOR, Nutrition, and Aging. , 2016, , 141-154.		2
40	Inter-Gender sEMG Evaluation of Central and Peripheral Fatigue in Biceps Brachii of Young Healthy Subjects. <i>PLoS ONE</i> , 2016, 11, e0168443.	1.1	12
41	A Peculiar Formula of Essential Amino Acids Prevents Rosuvastatin Myopathy in Mice. <i>Antioxidants and Redox Signaling</i> , 2016, 25, 595-608.	2.5	23
42	Nutrients and Muscle Disease. <i>BioMed Research International</i> , 2015, 2015, 1-2.	0.9	2
43	Evaluation of Central and Peripheral Fatigue in the Quadriceps Using Fractal Dimension and Conduction Velocity in Young Females. <i>PLoS ONE</i> , 2015, 10, e0123921.	1.1	61
44	Amino Acids Supplementation as Nutritional Therapy Strategy in Diabetes Mellitus. , 2015, , 387-401.		0
45	Accumulation of Advanced Glycation End-Products and Activation of the SCAP/SREBP Lipogenic Pathway Occur in Diet-Induced Obese Mouse Skeletal Muscle. <i>PLoS ONE</i> , 2015, 10, e0119587.	1.1	52
46	Natural Compounds Used as Therapies Targeting to Amyotrophic Lateral Sclerosis. <i>Current Pharmaceutical Biotechnology</i> , 2015, 16, 211-218.	0.9	18
47	Variability in Myosteatosis and Insulin Resistance Induced by High-Fat Diet in Mouse Skeletal Muscles. <i>BioMed Research International</i> , 2014, 2014, 1-10.	0.9	21
48	Essential Amino Acids and Exercise Tolerance in Elderly Muscle-Depleted Subjects with Chronic Diseases: A Rehabilitation without Rehabilitation?. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	10
49	Unaffected Arm Muscle Hypercatabolism in Dysphagic Subacute Stroke Patients: The Effects of Essential Amino Acid Supplementation. <i>BioMed Research International</i> , 2014, 2014, 1-17.	0.9	16
50	Creatine, L-Carnitine, and ω -3 Polyunsaturated Fatty Acid Supplementation from Healthy to Diseased Skeletal Muscle. <i>BioMed Research International</i> , 2014, 2014, 1-16.	0.9	30
51	Essential Amino Acid Supplementation for the Prevention and Treatment of Obesity. , 2014, , 447-458.		0
52	Dietary supplementation with essential amino acids boosts the beneficial effects of rosuvastatin on mouse kidney. <i>Amino Acids</i> , 2014, 46, 2189-2203.	1.2	22
53	An integrated approach in a case of facioscapulohumeral dystrophy. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 155.	0.8	10
54	Proteomic analysis of plasma after branched chain enriched mixture supplementation in mice. <i>Journal of the International Society of Sports Nutrition</i> , 2013, 10, 19.	1.7	4

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55	Proteomic analysis of plasma after 4 weeks of intermittent fasting in mice. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2013, 6, 227-232.	0.2	2
56	Nitric oxide prevents atorvastatin-induced skeletal muscle dysfunction and alterations in mice. <i>Muscle and Nerve</i> , 2013, 47, 72-80.	1.0	10
57	Variability in Muscle Adaptation to Electrical Stimulation. <i>International Journal of Sports Medicine</i> , 2013, 34, 544-553.	0.8	15
58	Correction: Corrigendum: Mesoangioblast stem cells ameliorate muscle function in dystrophic dogs. <i>Nature</i> , 2013, 494, 506-506.	13.7	6
59	Acute Exposure to Essential Amino Acids (EAA) Activates MTOR/p70 Signaling in Soleus Muscle of Chronically EAA-Treated Aged Rats. <i>International Journal of Immunopathology and Pharmacology</i> , 2013, 26, 673-680.	1.0	1
60	Amino Acid Supplements and Diabetes. , 2013, , 83-95.		0
61	Proteomic analysis of plasma after 4 weeks of intermittent fasting in mice. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2013, 6, 227-232.	0.2	0
62	Absence of T and B lymphocytes modulates dystrophic features in dysferlin deficient animal model. <i>Experimental Cell Research</i> , 2012, 318, 1160-1174.	1.2	26
63	Steroid myopathy: Some unresolved issues. <i>Journal of Endocrinological Investigation</i> , 2011, 34, 370-375.	1.8	60
64	Stem Cell-Mediated Transfer of a Human Artificial Chromosome Ameliorates Muscular Dystrophy. <i>Science Translational Medicine</i> , 2011, 3, 96ra78.	5.8	137
65	Branched-chain amino acids, mitochondrial biogenesis, and healthspan: an evolutionary perspective. <i>Aging</i> , 2011, 3, 464-478.	1.4	166
66	Essential Amino Acid Supplementation Decreases Liver Damage Induced by Chronic Ethanol Consumption in Rats. <i>International Journal of Immunopathology and Pharmacology</i> , 2011, 24, 611-619.	1.0	16
67	Neuromuscular electrical stimulation training induces atypical adaptations of the human skeletal muscle phenotype: a functional and proteomic analysis. <i>Journal of Applied Physiology</i> , 2011, 110, 433-450.	1.2	114
68	Essential Amino Acids Improve Insulin Activation of Akt/mTOR Signaling in Soleus Muscle of Aged Rats. <i>International Journal of Immunopathology and Pharmacology</i> , 2010, 23, 81-89.	1.0	15
69	Supplementation with Essential Amino Acids in Middle Age Maintains the Health of Rat Kidney. <i>International Journal of Immunopathology and Pharmacology</i> , 2010, 23, 523-533.	1.0	7
70	Topical application of dressing with amino acids improves cutaneous wound healing in aged rats. <i>Acta Histochemica</i> , 2010, 112, 497-507.	0.9	36
71	MR imaging of atlantoaxial joint in early rheumatoid arthritis. <i>Radiologia Medica</i> , 2010, 115, 1111-1120.	4.7	22
72	Skeletal muscle fibre diversity and the underlying mechanisms. <i>Acta Physiologica</i> , 2010, 199, 465-476.	1.8	59

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73	Single muscle fiber properties in aging and disuse. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2010, 20, 10-19.	1.3	56
74	Myosin and actin content of human skeletal muscle fibers following 35 days bed rest. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2010, 20, 65-73.	1.3	64
75	mTOR Signaling as a Target of Amino Acid Treatment of the Age-Related Sarcopenia. <i>Interdisciplinary Topics in Gerontology</i> , 2010, 37, 115-141.	3.6	21
76	Branched-Chain Amino Acid Supplementation Promotes Survival and Supports Cardiac and Skeletal Muscle Mitochondrial Biogenesis in Middle-Aged Mice. <i>Cell Metabolism</i> , 2010, 12, 362-372.	7.2	467
77	Focal adhesion kinase is a load-dependent governor of the slow contractile and oxidative muscle phenotype. <i>Journal of Physiology</i> , 2009, 587, 3703-3717.	1.3	58
78	Long-term resistance training improves force and unloaded shortening velocity of single muscle fibres of elderly women. <i>European Journal of Applied Physiology</i> , 2008, 104, 885-893.	1.2	28
79	Hypercatabolic Syndrome: Molecular Basis and Effects of Nutritional Supplements with Amino Acids. <i>American Journal of Cardiology</i> , 2008, 101, S11-S15.	0.7	75
80	Intracellular Mechanisms of Metabolism Regulation: The Role of Signaling via the Mammalian Target of Rapamycin Pathway and Other Routes. <i>American Journal of Cardiology</i> , 2008, 101, S16-S21.	0.7	33
81	Morphometric Changes Induced by Amino Acid Supplementation in Skeletal and Cardiac Muscles of Old Mice. <i>American Journal of Cardiology</i> , 2008, 101, S26-S34.	0.7	61
82	Oral Amino Acid Supplementation Counteracts Age-Induced Sarcopenia in Elderly Rats. <i>American Journal of Cardiology</i> , 2008, 101, S35-S41.	0.7	31
83	Amino Acid Supplementation Counteracts Metabolic and Functional Damage in the Diabetic Rat Heart. <i>American Journal of Cardiology</i> , 2008, 101, S49-S56.	0.7	25
84	Amino Acid Supplements Improve Native Antioxidant Enzyme Expression in the Skeletal Muscle of Diabetic Mice. <i>American Journal of Cardiology</i> , 2008, 101, S57-S62.	0.7	16
85	Focal adhesion kinase controls load-dependent myofibre differentiation. <i>FASEB Journal</i> , 2008, 22, .	0.2	0
86	Nitric oxide release combined with nonsteroidal antiinflammatory activity prevents muscular dystrophy pathology and enhances stem cell therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 264-269.	3.3	152
87	Autologous Transplantation of Muscle-Derived CD133+ Stem Cells in Duchenne Muscle Patients. <i>Cell Transplantation</i> , 2007, 16, 563-577.	1.2	214
88	Restoration of Human Dystrophin Following Transplantation of Exon-Skipping-Engineered DMD Patient Stem Cells into Dystrophic Mice. <i>Cell Stem Cell</i> , 2007, 1, 646-657.	5.2	206
89	T and B lymphocyte depletion has a marked effect on the fibrosis of dystrophic skeletal muscles in the mdx mouse. <i>Journal of Pathology</i> , 2007, 213, 229-238.	2.1	93
90	Structural and functional alterations of muscle fibres in the novel mouse model of facioscapulohumeral muscular dystrophy. <i>Journal of Physiology</i> , 2007, 584, 997-1009.	1.3	32

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91	Deterioration of contractile properties of muscle fibres in elderly subjects is modulated by the level of physical activity. <i>European Journal of Applied Physiology</i> , 2007, 100, 603-611.	1.2	82
92	Facioscapulohumeral muscular dystrophy in mice overexpressing FRG1. <i>Nature</i> , 2006, 439, 973-977.	13.7	200
93	Mesoangioblast stem cells ameliorate muscle function in dystrophic dogs. <i>Nature</i> , 2006, 444, 574-579.	13.7	692
94	Skeletal muscle hypertrophy and structure and function of skeletal muscle fibres in male body builders. <i>Journal of Physiology</i> , 2006, 570, 611-627.	1.3	132
95	Chimeric Adeno-Associated Virus/Antisense U1 Small Nuclear RNA Effectively Rescues Dystrophin Synthesis and Muscle Function by Local Treatment of mdx Mice. <i>Human Gene Therapy</i> , 2006, 17, 565-574.	1.4	45
96	Body-wide gene therapy of Duchenne muscular dystrophy in the mdx mouse model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 3758-3763.	3.3	134
97	Chimeric Adeno-Associated Virus/Antisense U1 Small Nuclear RNA Effectively Rescues Dystrophin Synthesis and Muscle Function by Local Treatment of mdx Mice. <i>Human Gene Therapy</i> , 2006, .	1.4	0
98	Muscle mass at the top: a likely role for fibre hyperplasia in humans. , 2006, , 26-27.		0
99	Effects of voluntary wheel running and amino acid supplementation on skeletal muscle of mice. <i>European Journal of Applied Physiology</i> , 2005, 93, 655-664.	1.2	45
100	Fast fibres in a large animal: fibre types, contractile properties and myosin expression in pig skeletal muscles. <i>Journal of Experimental Biology</i> , 2004, 207, 1875-1886.	0.8	81
101	Clenbuterol antagonizes glucocorticoid-induced atrophy and fibre type transformation in mice. <i>Experimental Physiology</i> , 2004, 89, 89-100.	0.9	48
102	Effect of amino acid mixture on the isolated ischemic heart. <i>American Journal of Cardiology</i> , 2004, 93, 30-34.	0.7	11
103	Respiratory muscle fibres: specialisation and plasticity. <i>Thorax</i> , 2004, 59, 808-817.	2.7	166
104	Human circulating AC133+ stem cells restore dystrophin expression and ameliorate function in dystrophic skeletal muscle. <i>Journal of Clinical Investigation</i> , 2004, 114, 182-195.	3.9	315
105	Orthologous myosin isoforms and scaling of shortening velocity with body size in mouse, rat, rabbit and human muscles. <i>Journal of Physiology</i> , 2003, 546, 677-689.	1.3	181
106	Cell Therapy of α -Sarcoglycan Null Dystrophic Mice Through Intra-Arterial Delivery of Mesoangioblasts. <i>Science</i> , 2003, 301, 487-492.	6.0	593
107	The effect of ageing and immobilization on structure and function of human skeletal muscle fibres. <i>Journal of Physiology</i> , 2003, 552, 499-511.	1.3	387
108	Functional GABAB receptors are present in guinea pig nodose ganglion cell bodies but not in peripheral mechanosensitive endings. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2002, 102, 20-29.	1.4	21

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109	"Oxidative stress": effects of mild endurance training and testosterone treatment on rat gastrocnemius muscle. <i>European Journal of Applied Physiology</i> , 2002, 87, 550-555.	1.2	44
110	Contractile properties and myosin heavy chain isoform composition in single fibre of human laryngeal muscles. <i>Journal of Muscle Research and Cell Motility</i> , 2002, 23, 187-195.	0.9	38
111	Analysis of motor patterns in the isolated guinea-pig large intestine by spatio-temporal maps. <i>Neurogastroenterology and Motility</i> , 2001, 13, 483-492.	1.6	101
112	Propagating contractions of the circular muscle evoked by slow stretch in flat sheets of guinea-pig ileum. <i>Neurogastroenterology and Motility</i> , 2001, 13, 519-531.	1.6	14
113	Effects of a Single Dose of a Creatine-Based Multi-Ingredient Pre-workout Supplement Compared to Creatine Alone on Performance Fatigability After Resistance Exercise: A Double-Blind Crossover Design Study. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	3