Joan R Torrella

List of Publications by Year
in descending order

72	1,243	361296 20	414303 32
papers	citations	h-index	g-index

75	75	75	1584
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Benefits on Hematological and Biochemical Parameters of a High-Intensity Interval Training Program for a Half-Marathon in Recreational Middle-Aged Women Runners. International Journal of Environmental Research and Public Health, 2022, 19, 498.	1.2	3
2	Gestational Exercise Increases Male Offspringâ€™s Maximal Workload Capacity Early in Life. International Journal of Molecular Sciences, 2022, 23, 3916.	1.8	1
3	Histomorphological and functional contralateral symmetry in the gastrocnemius muscles of the laboratory rat. Journal of Anatomy, 2022, 241, 692-701.	0.9	5
4	Edible Microalgae and Their Bioactive Compounds in the Prevention and Treatment of Metabolic Alterations. Nutrients, 2021, 13, 563.	1.7	55
5	Buildingâ€up fit muscles for the future. European Journal of Clinical Investigation, 2021, 51, e13515.	1.7	4
6	Muscle Precursor Cells Enhance Functional Muscle Recovery and Show Synergistic Effects With Postinjury Treadmill Exercise in a Muscle Injury Model in Rats. American Journal of Sports Medicine, 2021, 49, 1073-1085.	1.9	7
7	Intermittent Hypobaric Hypoxic Preconditioning Provides Neuroprotection by Increasing Antioxidant Activity, Erythropoietin Expression and Preventing Apoptosis and Astrogliosis in the Brain of Adult Rats Exposed to Acute Severe Hypoxia. International Journal of Molecular Sciences, 2021, 22, 5272.	1.8	11
8	Physiological Effects of Intermittent Passive Exposure to Hypobaric Hypoxia and Cold in Rats. Frontiers in Physiology, 2021, 12, 673095.	1.3	5
9	Intermittent hypobaric hypoxia and cold treatment after gastrocnemius muscle injury enhance redox balance and avoids UPS activation. Free Radical Biology and Medicine, 2021, 177, S101-S102.	1.3	0
10	Inter-Individual Different Responses to Continuous and Interval Training in Recreational Middle-Aged Women Runners. Frontiers in Physiology, 2020, 11, 579835.	1.3	6
11	High-intensity interval versus moderate-intensity continuous half-marathon training programme for middle-aged women. European Journal of Applied Physiology, 2020, 120, 1083-1096.	1.2	4
12	A field tool for the aerobic power evaluation of middle-aged female recreational runners. Women and Health, 2020, 60, 839-848.	0.4	1
13	Implication of gut microbiota in the physiology of rats intermittently exposed to cold and hypobaric hypoxia. PLoS ONE, 2020, 15, e0240686.	1.1	16
14	Title is missing!. , 2020, 15, e0240686.		0
15	Title is missing!. , 2020, 15, e0240686.		0
16	Title is missing!. , 2020, 15, e0240686.		0
17	Title is missing!. , 2020, 15, e0240686.		0
18	A three-criteria performance score for rats exercising on a running treadmill. PLoS ONE, 2019, 14, e0219167.	1.1	5

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19	Sustained swimming enhances white muscle capillarisation and growth by hyperplasia in gilthead sea bream (Sparus aurata) fingerlings. Aquaculture, 2019, 501, 397-403.	1.7	14
20	Self-Paced Free-Running Wheel Mimics High-Intensity Interval Training Impact on Ratsâ€™ Functional, Physiological, Biochemical, and Morphological Features. Frontiers in Physiology, 2019, 10, 593.	1.3	10
21	Physical exercise positively modulates DOX-induced hepatic oxidative stress, mitochondrial dysfunction and quality control signaling. Mitochondrion, 2019, 47, 103-113.	1.6	13
22	Exercise and Doxorubicin Treatment Modulate Cardiac Mitochondrial Quality Control Signaling. Cardiovascular Toxicology, 2018, 18, 43-55.	1.1	40
23	Additive Effects of Intermittent Hypobaric Hypoxia and Endurance Training on Bodyweight, Food Intake, and Oxygen Consumption in Rats. High Altitude Medicine and Biology, 2018, 19, 278-285.	0.5	8
24	Contractile Activity Is Necessary to Trigger Intermittent Hypobaric Hypoxia-Induced Fiber Size and Vascular Adaptations in Skeletal Muscle. Frontiers in Physiology, 2018, 9, 481.	1.3	5
25	Physiological and Biological Responses to Short-Term Intermittent Hypobaric Hypoxia Exposure: From Sports and Mountain Medicine to New Biomedical Applications. Frontiers in Physiology, 2018, 9, 814.	1.3	72
26	Modulation of mitochondrial biomarkers by intermittent hypobaric hypoxia and aerobic exercise after eccentric exercise in trained rats. Applied Physiology, Nutrition and Metabolism, 2017, 42, 683-693.	0.9	14
27	Postinjury Exercise and Platelet-Rich Plasma Therapies Improve Skeletal Muscle Healing in Rats But Are Not Synergistic When Combined. American Journal of Sports Medicine, 2017, 45, 2131-2141.	1.9	26
28	Intermittent hypobaric hypoxia combined with aerobic exercise improves muscle morphofunctional recovery after eccentric exercise to exhaustion in trained rats. Journal of Applied Physiology, 2017, 122, 580-592.	1.2	15
29	The effect of high-frequency neuromuscular electrical stimulation training on skeletal muscle properties in mice. Archives of Biological Sciences, 2017, 69, 391-397.	0.2	2
30	Vybrant DyeCycle Violet Stain Discriminates Two Different Subsets of CD34+ Cells. Current Stem Cell Research and Therapy, 2016, 11, 66-71.	0.6	4
31	Sildenafil does not Improve Exercise Capacity under Acute Hypoxia Exposure. International Journal of Sports Medicine, 2016, 37, 785-791.	0.8	10
32	Intermittent Hypoxia Increases Mitochondrial Dynamics and Biogenesis After Eccentric Exercise-Induced Muscle Damage in Trained Rats. Medicine and Science in Sports and Exercise, 2016, 48, 899-900.	0.2	0
33	Can sildenafil improve physical performance at altitude? Current scientific evidence. Apunts Medicine De L'Esport, 2016, 51, 27-35.	0.5	0
34	A New Surgical Model of Skeletal Muscle Injuries in Rats Reproduces Human Sports Lesions. International Journal of Sports Medicine, 2016, 37, 183-190.	0.8	13
35	Chronic Intermittent Hypoxia Alters Hepatic Markers Of Mitochondrial Dynamics And Autophagy Signaling. Medicine and Science in Sports and Exercise, 2016, 48, 575.	0.2	0
36	A semiquantitative scoring tool to evaluate eccentric exercise-induced muscle damage in trained rats. European Journal of Histochemistry, 2015, 59, 2544.	0.6	10

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37	Exercise modulates liver cellular and mitochondrial proteins related to quality control signaling. Life Sciences, 2015, 135, 124-130.	2.0	48
38	Circadian and Sex Differences After Acute High-Altitude Exposure: Are Early Acclimation Responses Improved by Blue Light?. Wilderness and Environmental Medicine, 2015, 26, 459-471.	0.4	11
39	Physical exercise antagonizes clinical and anatomical features characterizing Lieber-DeCarli diet-induced obesity and related metabolic disorders. Clinical Nutrition, 2015, 34, 241-247.	2.3	20
40	Physical exercise prior and during treatment reduces sub-chronic doxorubicin-induced mitochondrial toxicity and oxidative stress. Mitochondrion, 2015, 20, 22-33.	1.6	79
41	Effects of Intermittent Hypoxia and Light Aerobic Exercise on Circulating Stem Cells and Side Population, after Strenuous Eccentric Exercise in Trained Rats. Current Stem Cell Research and Therapy, 2015, 10, 132-139.	0.6	8
42	Swimming-induced exercise promotes hypertrophy and vascularization of fast skeletal muscle fibres and activation of myogenic and angiogenic transcriptional programs in adult zebrafish. BMC Genomics, 2014, 15, 1136.	1.2	67
43	Effect of intermittent hypoxia and exercise on blood rheology and oxygen transport in trained rats. Respiratory Physiology and Neurobiology, 2014, 192, 112-117.	0.7	12
44	Physical exercise prevents and mitigates non-alcoholic steatohepatitis-induced liver mitochondrial structural and bioenergetics impairments. Mitochondrion, 2014, 15, 40-51.	1.6	48
45	Exercise alters liver mitochondria phospholipidomic profile and mitochondrial activity in non-alcoholic steatohepatitis. International Journal of Biochemistry and Cell Biology, 2014, 54, 163-173.	1.2	39
46	Exercise mitigates diclofenacâ€induced liver mitochondrial dysfunction. European Journal of Clinical Investigation, 2014, 44, 668-677.	1.7	23
47	Modulation of cardiac mitochondrial permeability transition and apoptotic signaling by endurance training and intermittent hypobaric hypoxia. International Journal of Cardiology, 2014, 173, 40-45.	0.8	32
48	Exercise Positively Modulates Mitochondrial Permeability Transition and Apoptotic and Autophagic Signaling in Non-Alcoholic Steatohepatitis (NASH). Medicine and Science in Sports and Exercise, 2014, 46, 634.	0.2	0
49	Synergistic impact of endurance training and intermittent hypobaric hypoxia on cardiac function and mitochondrial energetic and signaling. International Journal of Cardiology, 2013, 168, 5363-5371.	0.8	32
50	Cardiorespiratory parameters during submaximal exercise under acute exposure to normobaric and hypobaric hypoxia. Apunts Medicine De L'Esport, 2012, 47, 65-72.	0.5	20
51	Endurance training and chronic intermittent hypoxia modulate in vitro salicylate-induced hepatic mitochondrial dysfunction. Mitochondrion, 2012, 12, 607-616.	1.6	19
52	Method of Combined Intermittent Hypoxia and Surface Muscle Electrostimulation for Enhancing Peripheral Stem Cells in Humans. , 2012, , 303-308.		0
53	Effects of Oxygen Supplementation on Acute Mountain Sickness Symptoms and Functional Capacity During a 2-Kilometer Walk Test on Chajnantor Plateau (5050 Meters, Northern Chile). Wilderness and Environmental Medicine, 2011, 22, 250-256.	0.4	5
54	Sustained swimming improves muscle growth and cellularity in gilthead sea bream. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2011, 181, 209-217.	0.7	91

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55	Oxidative Stress Status in Rats After Intermittent Exposure to Hypobaric Hypoxia. Wilderness and Environmental Medicine, 2010, 21, 325-331.	0.4	26
56	Blood Rheology Adjustments in Rats after a Program of Intermittent Exposure to Hypobaric Hypoxia. High Altitude Medicine and Biology, 2009, 10, 275-281.	0.5	14
57	Enzyme activity and myoglobin concentration in rat myocardium and skeletal muscles after passive intermittent simulated altitude exposure. Journal of Sports Sciences, 2009, 27, 633-640.	1.0	7
58	Capillary supply, fibre types and fibre morphometry in rat tibialis anterior and diaphragm muscles after intermittent exposure to hypobaric hypoxia. European Journal of Applied Physiology, 2008, 103, 203-213.	1.2	29
59	Morphofunctional responses to anaemia in rat skeletal muscle. Journal of Anatomy, 2008, 212, 836-844.	0.9	7
60	Capillary Supply and Fiber Morphometry in Rat Myocardium after Intermittent Exposure to Hypobaric Hypoxia. High Altitude Medicine and Biology, 2007, 8, 322-330.	0.5	23
61	Intermittent hypobaric hypoxia induces changes at a different extent in biochemical parameters depending on muscle activity degree. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2007, 146, S184.	0.8	2
62	Hemorheology and oxygen transport in vertebrates. A role in thermoregulation?. Journal of Physiology and Biochemistry, 2003, 59, 277-286.	1.3	12
63	Capillarity, Fibre Types and Fibre Morphometry in Different Sampling Sites across and along the Tibialis anterior Muscle of the Rat. Cells Tissues Organs, 2000, 167, 153-162.	1.3	43
64	Descriptive and functional morphometry of skeletal muscle fibres in wild birds. Canadian Journal of Zoology, 1999, 77, 724-736.	0.4	6
65	Capillarity and fiber types in locomotory muscles of wild common coots,Fulica atra. Journal of Morphology, 1998, 237, 147-164.	0.6	6
66	Comparative skeletal muscle fibre morphometry among wild birds with different locomotor behaviour. Journal of Anatomy, 1998, 192, 211-222.	0.9	32
67	Capillarity and Fibre Types in Locomotory Muscles of Wild Yellowâ€Legged Gulls (Larus cachinnans). Physiological Zoology, 1998, 71, 425-434.	1.5	10
68	Capillarity and fibre types in locomotory muscles of wild mallard ducks (Anas platyrhynchos). Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1996, 166, 164-177.	0.7	24
69	Innervation distribution pattern, nerve ending structure, and fiber types in pigeon skeletal muscle. The Anatomical Record, 1993, 237, 178-186.	2.3	21
70	A combined myosin ATPase and acetylcholinesterase histochemical method for the demonstration of fibre types and their innervation pattern in skeletal muscle. Histochemistry, 1993, 99, 369-372.	1.9	7
71	A histochemical ATPase method for the demonstration of the muscle capillary network.. Journal of Histochemistry and Cytochemistry, 1993, 41, 283-289.	1.3	21
72	Skeletal muscle capillarization and fiber types in urban and homing pigeons (Columba livia). Comparative Biochemistry and Physiology A, Comparative Physiology, 1992, 101, 751-757.	0.7	19