

Paulo De Tarso Camillo De Carvalho

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

2,131
citations

159585

30
h-index

233421

45
g-index

58
all docs

58
docs citations

58
times ranked

1686
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of phototherapy (low-level laser therapy and light-emitting diode therapy) on exercise performance and markers of exercise recovery: a systematic review with meta-analysis. <i>Lasers in Medical Science</i> , 2015, 30, 925-939.	2.1	188
2	Effect of pre-irradiation with different doses, wavelengths, and application intervals of low-level laser therapy on cytochrome c oxidase activity in intact skeletal muscle of rats. <i>Lasers in Medical Science</i> , 2015, 30, 59-66.	2.1	101
3	Phototherapy in skeletal muscle performance and recovery after exercise: effect of combination of super-pulsed laser and light-emitting diodes. <i>Lasers in Medical Science</i> , 2014, 29, 1967-1976.	2.1	93
4	Analysis of the influence of low-power HeNe laser on the healing of skin wounds in diabetic and non-diabetic rats. <i>Acta Cirurgica Brasileira</i> , 2006, 21, 177-183.	0.7	75
5	Pre-Exercise Infrared Low-Level Laser Therapy (810nm) in Skeletal Muscle Performance and Postexercise Recovery in Humans, What Is the Optimal Dose? A Randomized, Double-Blind, Placebo-Controlled Clinical Trial. <i>Photomedicine and Laser Surgery</i> , 2016, 34, 473-482.	2.0	68
6	Low-level Laser Therapy Improves Skeletal Muscle Performance, Decreases Skeletal Muscle Damage and Modulates mRNA Expression of COX1 and COX2 in a Dose-dependent Manner. <i>Photochemistry and Photobiology</i> , 2011, 87, 1159-1163.	2.5	64
7	Low-level laser therapy in experimental model of collagenase-induced tendinitis in rats: effects in acute and chronic inflammatory phases. <i>Lasers in Medical Science</i> , 2013, 28, 989-995.	2.1	63
8	Effects of Pre- or Post-Exercise Low-Level Laser Therapy (830nm) on Skeletal Muscle Fatigue and Biochemical Markers of Recovery in Humans: Double-Blind Placebo-Controlled Trial. <i>Photomedicine and Laser Surgery</i> , 2014, 32, 106-112.	2.0	62
9	Low-level laser therapy attenuates creatine kinase levels and apoptosis during forced swimming in rats. <i>Lasers in Medical Science</i> , 2010, 25, 115-120.	2.1	61
10	Wound-healing effects of low-level laser therapy in diabetic rats involve the modulation of MMP-2 and MMP-9 and the redistribution of collagen types I and III. <i>Journal of Cosmetic and Laser Therapy</i> , 2013, 15, 210-216.	0.9	59
11	Photobiomodulation therapy (PBMT) on acute pain and inflammation in patients who underwent total hip arthroplasty: a randomized, triple-blind, placebo-controlled clinical trial. <i>Lasers in Medical Science</i> , 2018, 33, 1933-1940.	2.1	59
12	What is the best moment to apply phototherapy when associated to a strength training program? A randomized, double-blinded, placebo-controlled trial. <i>Lasers in Medical Science</i> , 2016, 31, 1555-1564.	2.1	56
13	Photobiomodulation therapy (PBMT) and/or cryotherapy in skeletal muscle restitution, what is better? A randomized, double-blinded, placebo-controlled clinical trial. <i>Lasers in Medical Science</i> , 2016, 31, 1925-1933.	2.1	54
14	Effects of Low-level Laser Therapy at Wavelengths of 660 and 808nm in Experimental Model of Osteoarthritis. <i>Photochemistry and Photobiology</i> , 2012, 88, 161-166.	2.5	53
15	Low-level laser therapy in different stages of rheumatoid arthritis: a histological study. <i>Lasers in Medical Science</i> , 2013, 28, 529-536.	2.1	53
16	Effects of pre-irradiation of low-level laser therapy with different doses and wavelengths in skeletal muscle performance, fatigue, and skeletal muscle damage induced by tetanic contractions in rats. <i>Lasers in Medical Science</i> , 2014, 29, 1617-1626.	2.1	53
17	Effect of Low-level Laser Therapy (660nm) on Acute Inflammation Induced by Tenotomy of Achilles Tendon in Rats. <i>Photochemistry and Photobiology</i> , 2012, 88, 1546-1550.	2.5	52
18	Influence of ingaalp laser (660nm) on the healing of skin wounds in diabetic rats. <i>Acta Cirurgica Brasileira</i> , 2010, 25, 71-79.	0.7	49

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19	What is the best treatment to decrease pro-inflammatory cytokine release in acute skeletal muscle injury induced by trauma in rats: low-level laser therapy, diclofenac, or cryotherapy?. <i>Lasers in Medical Science</i> , 2014, 29, 653-658.	2.1	46
20	Effect of low-level laser therapy on metalloproteinase MMP-2 and MMP-9 production and percentage of collagen types I and III in a papain cartilage injury model. <i>Lasers in Medical Science</i> , 2014, 29, 911-919.	2.1	44
21	Comparative analysis of two low-level laser doses on the expression of inflammatory mediators and on neutrophils and macrophages in acute joint inflammation. <i>Lasers in Medical Science</i> , 2013, 29, 1051-8.	2.1	42
22	Low-Level Laser Therapy and Sodium Diclofenac in Acute Inflammatory Response Induced by Skeletal Muscle Trauma: Effects in Muscle Morphology and mRNA Gene Expression of Inflammatory Markers. <i>Photochemistry and Photobiology</i> , 2013, 89, 501-507.	2.5	42
23	The thermal impact of phototherapy with concurrent super-pulsed lasers and red and infrared LEDs on human skin. <i>Lasers in Medical Science</i> , 2015, 30, 1575-1581.	2.1	41
24	Infrared Low-Level Laser Therapy (Photobiomodulation Therapy) before Intense Progressive Running Test of High-Level Soccer Players: Effects on Functional, Muscle Damage, Inflammatory, and Oxidative Stress Markers—A Randomized Controlled Trial. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-12.	4.0	41
25	Pre-Exercise Infrared Photobiomodulation Therapy (810nm) in Skeletal Muscle Performance and Postexercise Recovery in Humans: What Is the Optimal Power Output?. <i>Photomedicine and Laser Surgery</i> , 2017, 35, 595-603.	2.0	39
26	The Effect of Low-Level Laser Irradiation on Sperm Motility, and Integrity of the Plasma Membrane and Acrosome in Cryopreserved Bovine Sperm. <i>PLoS ONE</i> , 2015, 10, e0121487.	2.5	38
27	When is the best moment to apply photobiomodulation therapy (PBMT) when associated to a treadmill endurance-training program? A randomized, triple-blinded, placebo-controlled clinical trial. <i>Lasers in Medical Science</i> , 2018, 33, 719-727.	2.1	35
28	The action of pre-exercise low-level laser therapy (LLLT) on the expression of IL-6 and TNF- α proteins and on the functional fitness of elderly rats subjected to aerobic training. <i>Lasers in Medical Science</i> , 2015, 30, 1127-1134.	2.1	34
29	Superpulsed Low-Level Laser Therapy Protects Skeletal Muscle of mdx Mice against Damage, Inflammation and Morphological Changes Delaying Dystrophy Progression. <i>PLoS ONE</i> , 2014, 9, e89453.	2.5	33
30	Phototherapy with combination of super-pulsed laser and light-emitting diodes is beneficial in improvement of muscular performance (strength and muscular endurance), dyspnea, and fatigue sensation in patients with chronic obstructive pulmonary disease. <i>Lasers in Medical Science</i> , 2015, 30, 437-443.	2.1	32
31	Effects of Photobiomodulation Therapy on Oxidative Stress in Muscle Injury Animal Models: A Systematic Review. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-8.	4.0	32
32	Protective effects of photobiomodulation against resistance exercise-induced muscle damage and inflammation in rats. <i>Journal of Sports Sciences</i> , 2018, 36, 2349-2357.	2.0	30
33	The effect of low-level laser therapy on oxidative stress and functional fitness in aged rats subjected to swimming: an aerobic exercise. <i>Lasers in Medical Science</i> , 2016, 31, 833-840.	2.1	29
34	Can photobiomodulation associated with implantation of mesenchymal adipose-derived stem cells attenuate the expression of MMPs and decrease degradation of type II collagen in an experimental model of osteoarthritis?. <i>Lasers in Medical Science</i> , 2018, 33, 1073-1084.	2.1	28
35	Pre-exercise low-level laser therapy improves performance and levels of oxidative stress markers in mdx mice subjected to muscle fatigue by high-intensity exercise. <i>Lasers in Medical Science</i> , 2015, 30, 1719-1727.	2.1	24
36	Effects of photobiomodulation therapy and topical non-steroidal anti-inflammatory drug on skeletal muscle injury induced by contusion in rats—part 2: biochemical aspects. <i>Lasers in Medical Science</i> , 2017, 32, 1879-1887.	2.1	24

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37	Effects of photobiomodulation therapy and topical non-steroidal anti-inflammatory drug on skeletal muscle injury induced by contusion in rats part 1: morphological and functional aspects. <i>Lasers in Medical Science</i> , 2017, 32, 2111-2120.	2.1	23
38	Comparative analysis of low-level laser therapy (660nm) on inflammatory biomarker expression during the skin wound-repair process in young and aged rats. <i>Lasers in Medical Science</i> , 2014, 29, 1723-1733.	2.1	18
39	Photobiomodulation therapy on collagen type I and III, vascular endothelial growth factor, and metalloproteinase in experimentally induced tendinopathy in aged rats. <i>Lasers in Medical Science</i> , 2016, 31, 1915-1923.	2.1	17
40	Photobiomodulation therapy in the modulation of inflammatory mediators and bradykinin receptors in an experimental model of acute osteoarthritis. <i>Lasers in Medical Science</i> , 2017, 32, 87-94.	2.1	17
41	Effect of low-level laser therapy on pain, quality of life and sleep in patients with fibromyalgia: study protocol for a double-blinded randomized controlled trial. <i>Trials</i> , 2012, 13, 221.	1.6	16
42	Photobiomodulation therapy action in wound repair skin induced in aged rats old: time course of biomarkers inflammatory and repair. <i>Lasers in Medical Science</i> , 2017, 32, 1769-1782.	2.1	16
43	Photobiomodulation therapy associated with treadmill training in the oxidative stress in a collagen-induced arthritis model. <i>Lasers in Medical Science</i> , 2017, 32, 1071-1079.	2.1	15
44	Morphometric and histological analysis of low-power laser influence on bone morphogenetic protein in bone defects repair. <i>Lasers in Medical Science</i> , 2009, 24, 689-695.	2.1	14
45	Photobiomodulation therapy protects skeletal muscle and improves muscular function of mdx mice in a dose-dependent manner through modulation of dystrophin. <i>Lasers in Medical Science</i> , 2018, 33, 755-764.	2.1	14
46	Does the combination of photobiomodulation therapy (PBMT) and static magnetic fields (sMF) potentiate the effects of aerobic endurance training and decrease the loss of performance during detraining? A randomised, triple-blinded, placebo-controlled trial. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2020, 12, 23.	1.7	12
47	Acute effects of photobiomodulation therapy and magnetic field on functional mobility in stroke survivors: a randomized, sham-controlled, triple-blind, crossover, clinical trial. <i>Lasers in Medical Science</i> , 2020, 35, 1253-1262.	2.1	11
48	Effect of photobiomodulation therapy on oxidative stress markers of gastrocnemius muscle of diabetic rats subjected to high-intensity exercise. <i>Lasers in Medical Science</i> , 2018, 33, 1781-1790.	2.1	9
49	Parameters and Effects of Photobiomodulation in Plantar Fasciitis: A Meta-Analysis and Systematic Review. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2019, 37, 327-335.	1.4	9
50	Acute effects of photobiomodulation therapy (PBMT) combining laser diodes, light-emitting diodes, and magnetic field in exercise capacity assessed by 6MST in patients with COPD: a crossover, randomized, and triple-blinded clinical trial. <i>Lasers in Medical Science</i> , 2019, 34, 711-719.	2.1	9
51	What is the ideal dose and power output of low-level laser therapy (810 nm) on muscle performance and post-exercise recovery? Study protocol for a double-blind, randomized, placebo-controlled trial. <i>Trials</i> , 2014, 15, 69.	1.6	8
52	Effects of photobiomodulation therapy in aerobic endurance training and detraining in humans. <i>Medicine (United States)</i> , 2019, 98, e15317.	1.0	6
53	Can photobiomodulation therapy be an alternative to pharmacological therapies in decreasing the progression of skeletal muscle impairments of mdx mice?. <i>PLoS ONE</i> , 2020, 15, e0236689.	2.5	5
54	Efficacy of pre-exercise low-level laser therapy on isokinetic muscle performance in individuals with type 2 diabetes mellitus: study protocol for a randomized controlled trial. <i>Trials</i> , 2014, 15, 116.	1.6	4

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55	Does photobiomodulation therapy combined to static magnetic field (PBMT-sMF) promote ergogenic effects even when the exercised muscle group is not irradiated? A randomized, triple-blind, placebo-controlled trial. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2020, 12, 49.	1.7	4
56	Effect of photobiomodulation therapy on the proliferation phase and wound healing in rats fed with an experimental hypoproteic diet. <i>Lasers in Medical Science</i> , 2021, 36, 1427-1435.	2.1	4
57	Low-level laser therapy prevents muscle apoptosis induced by a high-intensity resistance exercise in a dose-dependent manner. <i>Lasers in Medical Science</i> , 2020, 35, 1867-1870.	2.1	2
58	Effects of photobiomodulation therapy combined to static magnetic field in strength training and detraining in humans: protocol for a randomised placebo-controlled trial. <i>BMJ Open</i> , 2019, 9, e030194.	1.9	1