

# Raquel A Mesquita-Ferrari

## List of Publications by Year in descending order

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Version: 2024-02-01

100  
papers

1,891  
citations

257450

24  
h-index

315739

38  
g-index

101  
all docs

101  
docs citations

101  
times ranked

2360  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of low-level laser therapy on expression of TNF- $\alpha$ and TGF- $\beta$ 2 in skeletal muscle during the repair process. <i>Lasers in Medical Science</i> , 2011, 26, 335-340.	2.1	102
2	Effects of Low-Level Laser Therapy on Skeletal Muscle Repair. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2014, 93, 1073-1085.	1.4	80
3	Effect of papain-based gel on type I collagen - spectroscopy applied for microstructural analysis. <i>Scientific Reports</i> , 2015, 5, 11448.	3.3	72
4	Clinical Evaluation of Low-Level Laser Treatment for Recurring Aphthous Stomatitis. <i>Photomedicine and Laser Surgery</i> , 2010, 28, S-85-S-88.	2.0	70
5	Comparative analysis between <i>Chamomilla recutita</i> and corticosteroids on wound healing. An <i>in vitro</i> and <i>in vivo</i> study. <i>Phytotherapy Research</i> , 2009, 23, 274-278.	5.8	68
6	Phototherapy with low-level laser affects the remodeling of types I and III collagen in skeletal muscle repair. <i>Lasers in Medical Science</i> , 2011, 26, 803-14.	2.1	65
7	Modulating effect of low level-laser therapy on fibrosis in the repair process of the tibialis anterior muscle in rats. <i>Lasers in Medical Science</i> , 2014, 29, 813-821.	2.1	61
8	Photobiomodulation with 660-nm and 780-nm laser on activated J774 macrophage-like cells: Effect on M1 inflammatory markers. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 344-351.	3.8	50
9	Influence of Laser Photobiomodulation on Collagen IV During Skeletal Muscle Tissue Remodeling After Injury in Rats. <i>Photomedicine and Laser Surgery</i> , 2011, 29, 11-17.	2.0	46
10	Effect of photobiomodulation on expression of IL-1 $\beta$ in skeletal muscle following acute injury. <i>Lasers in Medical Science</i> , 2013, 28, 1043-1046.	2.1	45
11	Effects of photobiomodulation on experimental models of peripheral nerve injury. <i>Lasers in Medical Science</i> , 2017, 32, 2155-2165.	2.1	44
12	Influence of temporomandibular disorder on temporal and masseter muscles and occlusal contacts in adolescents: an electromyographic study. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 123.	1.9	35
13	Effective Transmission of Light for Media Culture, Plates and Tubes. <i>Photochemistry and Photobiology</i> , 2012, 88, 1211-1216.	2.5	34
14	Effect of low-level laser therapy on the modulation of the mitochondrial activity of macrophages. <i>Brazilian Journal of Physical Therapy</i> , 2014, 18, 308-314.	2.5	34
15	Histopathological, cytotoxicity and genotoxicity evaluation of Biosilicate <sup>®</sup> glass <sup>®</sup> ceramic scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 667-673.	4.0	33
16	Photobiomodulation and different macrophages phenotypes during muscle tissue repair. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 4922-4934.	3.6	33
17	Evaluation of effect of low-level laser therapy on adolescents with temporomandibular disorder: study protocol for a randomized controlled trial. <i>Trials</i> , 2013, 14, 229.	1.6	32
18	Effect of low-level laser therapy on the post-surgical inflammatory process after third molar removal: study protocol for a double-blind randomized controlled trial. <i>Trials</i> , 2013, 14, 373.	1.6	32

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19	Modulating effect of low intensity pulsed ultrasound on the phenotype of inflammatory cells. <i>Biomedicine and Pharmacotherapy</i> , 2017, 96, 1147-1153.	5.6	30
20	Healing action of topical chamomile on 5-fluouracil induced oral mucositis in hamster. <i>Supportive Care in Cancer</i> , 2011, 19, 639-646.	2.2	29
21	Evaluation of pain, jaw movements, and psychosocial factors in elderly individuals with temporomandibular disorder under laser phototherapy. <i>Lasers in Medical Science</i> , 2015, 30, 953-959.	2.1	29
22	Effect of Low-Energy Gallium-Aluminum-Arsenide and Aluminium Gallium Indium Phosphide Laser Irradiation on the Viability of C2C12 Myoblasts in a Muscle Injury Model. <i>Photomedicine and Laser Surgery</i> , 2009, 27, 901-906.	2.0	28
23	Effect of Low-Level Laser Therapy on Adolescents With Temporomandibular Disorder: A Blind Randomized Controlled Pilot Study. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015, 73, 622-629.	1.2	28
24	Comparative effects of low-level laser therapy pre- and post-injury on mRNA expression of MyoD, myogenin, and IL-6 during the skeletal muscle repair. <i>Lasers in Medical Science</i> , 2016, 31, 679-685.	2.1	28
25	Systematic review of the synergist muscle ablation model for compensatory hypertrophy. <i>Revista Da Associaço Mdica Brasileira</i> , 2017, 63, 164-172.	0.7	28
26	Differential expression of inflammatory and anti-inflammatory mediators by M1 and M2 macrophages after photobiomodulation with red or infrared lasers. <i>Lasers in Medical Science</i> , 2020, 35, 337-343.	2.1	27
27	Accuracy study of the main screening tools for temporomandibular disorder in children and adolescents. <i>Journal of Bodywork and Movement Therapies</i> , 2014, 18, 87-91.	1.2	26
28	The effect of low-level laser therapy (LLLT) applied prior to muscle injury. <i>Lasers in Surgery and Medicine</i> , 2015, 47, 571-578.	2.1	26
29	Papain gel containing methylene blue for simultaneous caries removal and antimicrobial photoinactivation against <i>Streptococcus mutans</i> biofilms. <i>Scientific Reports</i> , 2016, 6, 33270.	3.3	26
30	Photobiomodulation is associated with a decrease in cell viability and migration in oral squamous cell carcinoma. <i>Lasers in Medical Science</i> , 2019, 34, 629-636.	2.1	26
31	Photodynamic therapy as a novel treatment for halitosis in adolescents: study protocol for a randomized controlled trial. <i>Trials</i> , 2014, 15, 443.	1.6	24
32	Low-level laser therapy suppresses the oxidative stress-induced glucocorticoids resistance in U937 cells: Relevance to cytokine secretion and histone deacetylase in alveolar macrophages. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 130, 327-336.	3.8	24
33	Red and Infrared Low-Level Laser Therapy Prior to Injury with or without Administration after Injury Modulate Oxidative Stress during the Muscle Repair Process. <i>PLoS ONE</i> , 2016, 11, e0153618.	2.5	24
34	Effect of laser therapy on skeletal muscle repair process in diabetic rats. <i>Lasers in Medical Science</i> , 2013, 28, 1331-1338.	2.1	23
35	Are Occlusal Characteristics, Headache, Parafunctional Habits and Clicking Sounds Associated with the Signs and Symptoms of Temporomandibular Disorder in Adolescents?. <i>Journal of Physical Therapy Science</i> , 2013, 25, 1331-1334.	0.6	23
36	Tissue Responses to Postoperative Laser Therapy in Diabetic Rats Submitted to Excisional Wounds. <i>PLoS ONE</i> , 2015, 10, e0122042.	2.5	22

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37	Photobiomodulation Protects and Promotes Differentiation of C2C12 Myoblast Cells Exposed to Snake Venom. PLoS ONE, 2016, 11, e0152890.	2.5	22
38	Antimicrobial photodynamic therapy with Bixa orellana extract and blue LED in the reduction of halitosis: A randomized, controlled clinical trial. Photodiagnosis and Photodynamic Therapy, 2020, 30, 101751.	2.6	22
39	Pattern of Electromyographic Activity in Mastication Muscles of Adolescents with Temporomandibular Disorder. Journal of Physical Therapy Science, 2013, 25, 1303-1307.	0.6	21
40	Effect of low-intensity laser treatment on pain after extraction of impacted mandibular third molars: a randomised, controlled, clinical trial. British Journal of Oral and Maxillofacial Surgery, 2015, 53, 996-1000.	0.8	21
41	Low-level laser irradiation modulates cell viability and creatine kinase activity in C2C12 muscle cells during the differentiation process. Lasers in Medical Science, 2015, 30, 2209-2213.	2.1	20
42	Association between parafunctional habits and signs and symptoms of temporomandibular dysfunction among adolescents. Oral Health & Preventive Dentistry, 2013, 11, 3-7.	0.5	20
43	Effects of Photobiomodulation with Low-level Laser Therapy on Muscle Repair Following a Peripheral Nerve Injury in Wistar Rats. Photochemistry and Photobiology, 2020, 96, 1124-1132.	2.5	17
44	Effect of low-level laser therapy on proliferation, differentiation, and adhesion of steroid-treated osteoblasts. Lasers in Medical Science, 2012, 27, 1189-1193.	2.1	15
45	Evaluation of Cranio-cervical Posture in Children with Bruxism Before and After Bite Plate Therapy: A Pilot Project. Journal of Physical Therapy Science, 2014, 26, 1125-1128.	0.6	14
46	Effect of laser therapy on immune cells infiltrate after excisional wounds in diabetic rats. Lasers in Surgery and Medicine, 2016, 48, 45-51.	2.1	14
47	Effects of periodontitis on the development of asthma: The role of photodynamic therapy. PLoS ONE, 2017, 12, e0187945.	2.5	14
48	Sensory and motor responses after photobiomodulation associated with physiotherapy in patients with incomplete spinal cord injury: clinical, randomized trial. Lasers in Medical Science, 2020, 35, 1751-1758.	2.1	14
49	Macrophage migration inhibitory factor and oral cancer. Journal of Oral Pathology and Medicine, 2013, 42, 368-373.	2.7	13
50	Assessment of type of bite and vertical dimension of occlusion in children and adolescents with temporomandibular disorder. Journal of Bodywork and Movement Therapies, 2014, 18, 435-440.	1.2	13
51	Effect of photobiomodulation on connective tissue remodeling and regeneration of skeletal muscle in elderly rats. Lasers in Medical Science, 2018, 33, 513-521.	2.1	13
52	Photobiomodulation improves motor response in patients with spinal cord injury submitted to electromyographic evaluation: randomized clinical trial. Lasers in Medical Science, 2018, 33, 883-890.	2.1	12
53	Low-level laser treatment applied at auriculotherapy points to reduce postoperative pain in third molar surgery: A randomized, controlled, single-blinded study. PLoS ONE, 2018, 13, e0197989.	2.5	12
54	Effects of Photobiomodulation on Functionality in Wistar Rats with Sciatic Nerve Injury. Photochemistry and Photobiology, 2019, 95, 879-885.	2.5	12

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55	Correlation between upper limb function and oral health impact in stroke survivors. <i>Journal of Physical Therapy Science</i> , 2015, 27, 2065-2068.	0.6	10
56	Light-emitting diode therapy increases collagen deposition during the repair process of skeletal muscle. <i>Lasers in Medical Science</i> , 2016, 31, 531-538.	2.1	10
57	Photobiomodulation alters the viability of HUVECs cells. <i>Lasers in Medical Science</i> , 2021, 36, 83-90.	2.1	10
58	Photodynamic therapy with Bixa orellana extract and LED for the reduction of halitosis: study protocol for a randomized, microbiological and clinical trial. <i>Trials</i> , 2018, 19, 590.	1.6	9
59	Relação da postura cervical e oclusão dentária em crianças respiradoras orais. <i>Revista CEFAC: Atualização Científica Em Fonoaudiologia</i> , 2009, 11, 298-304.	0.1	8
60	Effects of myogenic precursor cells (C2C12) transplantation and low-level laser therapy on muscle repair. <i>Lasers in Surgery and Medicine</i> , 2018, 50, 781-791.	2.1	8
61	Oral hygiene associated with antimicrobial photodynamic therapy or lingual scraper in the reduction of halitosis after 90 days follow up: A randomized, controlled, single-blinded trial. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 33, 102057.	2.6	8
62	Effect of antimicrobial photodynamic therapy with red led and methylene blue on the reduction of halitosis: controlled microbiological clinical trial. <i>Lasers in Medical Science</i> , 2022, 37, 877-886.	2.1	8
63	ALT-C, a disintegrin-like Cys-rich protein from <i>Bothrops alternatus</i> , increases skeletal myoblast viability. <i>Journal of Venomous Animals and Toxins Including Tropical Diseases</i> , 2009, 15, 325-339.	1.4	7
64	Erythrosine as a photosensitizer for antimicrobial photodynamic therapy with blue light-emitting diodes – An in vitro study. <i>Photodiagnosis and Photodynamic Therapy</i> , 2021, 35, 102445.	2.6	7
65	Effects of photobiomodulation in experimental spinal cord injury models: A systematic review. <i>Journal of Biophotonics</i> , 2022, 15, e202200059.	2.3	7
66	Effect of Nandrolone Decanoate on Skeletal Muscle Repair. <i>International Journal of Sports Medicine</i> , 2012, 34, 87-82.	1.7	6
67	Effect of prior application with and without post-injury treatment with low-level laser on the modulation of key proteins in the muscle repair process. <i>Lasers in Medical Science</i> , 2018, 33, 1207-1213.	2.1	6
68	Effects of 660nm and 780nm Laser Therapy on ST8814 Schwann Cells. <i>Photochemistry and Photobiology</i> , 2021, 97, 198-204.	2.5	6
69	Effects of photobiomodulation on cellular viability and cancer stem cell phenotype in oral squamous cell carcinoma. <i>Lasers in Medical Science</i> , 2021, 36, 681-690.	2.1	6
70	Effect of Photodynamic Therapy on Halitosis: A Systematic Review of Randomized Controlled Trials. <i>Sensors</i> , 2022, 22, 469.	3.8	6
71	Histological and biochemical effects of preventive and therapeutic vascular photobiomodulation on rat muscle injury. <i>Journal of Biophotonics</i> , 2022, 15, e202100271.	2.3	6
72	Antimicrobial photodynamic therapy combined with periodontal treatment for metabolic control in patients with type 2 diabetes mellitus: study protocol for a randomized controlled trial. <i>Trials</i> , 2015, 16, 229.	1.6	5

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73	Effect of Photobiomodulation on C2C12 Myoblasts Cultivated in M1 Macrophage-Conditioned Media. <i>Photochemistry and Photobiology</i> , 2020, 96, 906-916.	2.5	5
74	The control of pain due to dentin hypersensitivity in individuals with molar-incisor hypomineralisation: a protocol for a randomised controlled clinical trial. <i>BMJ Open</i> , 2021, 11, e044653.	1.9	5
75	Efeitos do ultra-som terapêutico contínuo sobre a proliferação e viabilidade de células musculares C2C12. <i>Fisioterapia E Pesquisa</i> , 2010, 17, 167-172.	0.1	5
76	Efeitos da reabilitação aquática na sintomatologia e qualidade de vida de portadoras de artrite reumatóide. <i>Fisioterapia E Pesquisa</i> , 2008, 15, 136-141.	0.1	4
77	Efeito da natalidade na expressão de fatores regulatórios miogênicos durante o reparo do musculoesquelético de rato. <i>Revista Brasileira De Medicina Do Esporte</i> , 2012, 18, 419-422.	0.2	4
78	Evaluation of the use of photobiomodulation following the placement of elastomeric separators. <i>Medicine (United States)</i> , 2019, 98, e17325.	1.0	4
79	Effect of Phototherapy on Masseter and Anterior Temporal Muscles Before Induction of Fatigue: A Randomized, Sham-Controlled, Blind Clinical Trial. <i>Photomedicine and Laser Surgery</i> , 2018, 36, 370-376.	2.0	3
80	Photobiomodulation modulates the expression of inflammatory cytokines during the compensatory hypertrophy process in skeletal muscle. <i>Lasers in Medical Science</i> , 2021, 36, 791-802.	2.1	3
81	The effects of photobiomodulation using LED on the repair process of skin graft donor sites. <i>Lasers in Medical Science</i> , 2022, 37, 1881-1890.	2.1	3
82	No effect of low-level lasers on in vitro myoblast culture. <i>Indian Journal of Experimental Biology</i> , 2011, 49, 423-8.	0.0	3
83	Effect of photobiomodulation on fatigue in individuals with relapsing-remitting multiple sclerosis: a pilot study. <i>Lasers in Medical Science</i> , 2022, 37, 3107-3113.	2.1	3
84	Simultaneous red and infrared light-emitting diodes reduced pain in individuals with temporomandibular disorder: a randomized, controlled, double-blind, clinical trial. <i>Lasers in Medical Science</i> , 2022, 37, 3423-3431.	2.1	3
85	Análise comparativa dos efeitos do ultrassom terapêutico e laser de baixa potência sobre a proliferação de células musculares durante a diferenciação celular. <i>Fisioterapia Em Movimento</i> , 2012, 25, 21-29.	0.1	2
86	Effects of low level laser in the morphology of the skeletal muscle fiber during compensatory hypertrophy in plantar muscle of rats. <i>Proceedings of SPIE</i> , 2015, , .	0.8	2
87	Effects of the phenotypic polarization state of human leukocytes on the optical absorbance spectrum. <i>Journal of Biophotonics</i> , 2021, 14, e202000487.	2.3	2
88	Comparative study between photodynamic therapy with urucum + Led and probiotics in halitosis reduction: protocol for a controlled clinical trial. <i>PLoS ONE</i> , 2021, 16, e0247096.	2.5	2
89	Photobiomodulation Using Different Infrared Light Sources Promotes Muscle Precursor Cells Migration and Proliferation. <i>Photonics</i> , 2022, 9, 469.	2.0	2
90	The Effects of Photobiomodulation on Inflammatory Infiltrate During Muscle Repair in Advanced-Age Rats. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 75, 437-441.	3.6	1

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91	Effect of Photobiomodulation in Lipopolysaccharide-Treated Myoblasts. <i>Photobiomodulation, Photomedicine, and Laser Surgery</i> , 2021, 39, 30-37.	1.4	1
92	NataÃ§Ã£o e aspectos morfolÃ³gicos do mÃºsculo esquelÃ©tico em processo de reparo apÃ³s criolesÃ£o. <i>Fisioterapia E Pesquisa</i> , 2011, 18, 264-269.	0.1	1
93	Non-surgical interventions for the treatment of masticatory muscular spasticity in patients with cerebral palsy. Systematic review of randomized clinical trials. <i>Journal of Bodywork and Movement Therapies</i> , 2022, 29, 68-73.	1.2	1
94	The steroid nandrolone decanoate increases the intracellular activity of creatine kinase in skeletal muscle cells. <i>Medical Science Technology</i> , 0, 54, 26-29.	0.0	1
95	Therapy for patients with burns - an integrating review. <i>Revista Da AssociaÃ§Ã£o MÃ©dica Brasileira</i> , 2019, 65, 1405-1412.	0.7	1
96	A comparative pilot study on the effects of laser and light-emitting diode therapy on pain in individuals with temporomandibular disorder. <i>Research, Society and Development</i> , 2022, 11, e43111528463.	0.1	1
97	Effects of nandrolone decanoate on the viability of muscle satellite cells during the differentiation process. <i>Fisioterapia E Pesquisa</i> , 2014, 21, 16-20.	0.1	0
98	The effect of antimicrobial photodynamic therapy mediated by papain gel on infected dentin in primary teeth: a clinical trial with microbiological evaluation. <i>Lasers in Dental Science</i> , 2019, 3, 275-281.	0.6	0
99	Evaluation of muscle activity and bite force in masticatory muscle after massage therapy or occlusal splint in sleep bruxism childhood. <i>Research, Society and Development</i> , 2021, 10, e38810313468.	0.1	0
100	Analgesic effect of photobiomodulation after placement of elastomeric separators: randomized controlled clinical trial. <i>Research, Society and Development</i> , 2022, 11, e50911225979.	0.1	0