

# João Paulo Mardegan Issa

## List of Publications by Year in descending order

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108  
papers

1,192  
citations

430874

18  
h-index

580821

25  
g-index

109  
all docs

109  
docs citations

109  
times ranked

1855  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of low-level laser irradiation in ultrastructural morphology, and immunoexpression of VEGF and VEGFR-2 of rat masseter muscle. <i>Micron</i> , 2012, 43, 237-244.	2.2	41
2	Ultrastructural analysis of the low level laser therapy effects on the lesioned anterior tibial muscle in the Gerbil. <i>Micron</i> , 2009, 40, 413-418.	2.2	40
3	Antimicrobial photodynamic therapy improves the alveolar repair process and prevents the occurrence of osteonecrosis of the jaws after tooth extraction in senile rats treated with zoledronate. <i>Bone</i> , 2019, 120, 101-113.	2.9	40
4	A new heterologous fibrin sealant as scaffold to recombinant human bone morphogenetic protein-2 (rhBMP-2) and natural latex proteins for the repair of tibial bone defects. <i>Acta Histochemica</i> , 2015, 117, 288-296.	1.8	38
5	The identification of peptides by nanoLC-MS/MS from human surface tooth enamel following a simple acid etch extraction. <i>RSC Advances</i> , 2016, 6, 61673-61679.	3.6	36
6	Bone repair in rat mandible by rhBMP-2 associated with two carriers. <i>Micron</i> , 2008, 39, 373-379.	2.2	33
7	Use of checkerboard DNA-DNA hybridization to evaluate the internal contamination of dental implants and comparison of bacterial leakage with cast or pre-machined abutments. <i>Clinical Oral Implants Research</i> , 2009, 20, 571-577.	4.5	31
8	Bone repair of critical size defects treated with autogenic, allogenic, or xenogenic bone grafts alone or in combination with rhBMP-2. <i>Clinical Oral Implants Research</i> , 2016, 27, 558-566.	4.5	29
9	Evaluation of rhBMP-2 and Natural Latex as Potential Osteogenic Proteins in Critical Size Defects by Histomorphometric Methods. <i>Anatomical Record</i> , 2010, 293, 794-801.	1.4	28
10	Effects of the combination of low-level laser irradiation and recombinant human bone morphogenetic protein-2 in bone repair. <i>Lasers in Medical Science</i> , 2012, 27, 971-977.	2.1	23
11	Morphometric, quantitative, and three-dimensional analysis of the heart muscle fibers of old rats: Transmission electron microscopy and high-resolution scanning electron microscopy methods. <i>Microscopy Research and Technique</i> , 2013, 76, 184-195.	2.2	22
12	Photomodulation multiple sessions as a promising preventive therapy for medication-related osteonecrosis of the jaws after tooth extraction in rats. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 184, 7-17.	3.8	22
13	Effect of recombinant human bone morphogenetic protein-2 on bone formation in the acute distraction osteogenesis of rat mandibles. <i>Clinical Oral Implants Research</i> , 2009, 20, 1286-1292.	4.5	21
14	Herbal Mouthwash Containing Extracts of <i>Baccharis dracunculifolia</i> as Agent for the Control of Biofilm: Clinical Evaluation in Humans. <i>Scientific World Journal</i> , The, 2015, 2015, 1-6.	2.1	21
15	Action of nitric oxide on healthy and inflamed human dental pulp tissue. <i>Micron</i> , 2008, 39, 797-801.	2.2	20
16	Effects of Low-Level Laser Therapy on the Oxidative Metabolism and Matrix Proteins in the Rat Masseter Muscle. <i>Photomedicine and Laser Surgery</i> , 2011, 29, 677-684.	2.0	20
17	Morphological and morphometric analyses of crushed sciatic nerves after application of a purified protein from natural latex and hyaluronic acid hydrogel. <i>Growth Factors</i> , 2014, 32, 164-170.	1.7	20
18	Bone healing process in critical-sized defects by rhBMP-2 using poloxamer gel and collagen sponge as carriers. <i>Micron</i> , 2008, 39, 17-24.	2.2	19

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19	Bone repair using mineral trioxide aggregate combined to a material carrier, associated or not with calcium hydroxide in bone defects. <i>Micron</i> , 2008, 39, 868-874.	2.2	19
20	Clinical feasibility of mandibular implant overdenture retainers submitted to immediate load. <i>Gerodontology</i> , 2011, 28, 227-232.	2.0	17
21	Histochemical and ultrastructural changes of sternomastoid muscle in aged wistar rats. <i>Micron</i> , 2011, 42, 871-876.	2.2	17
22	Application of Autologous Platelet-Rich Plasma on Tooth Extraction Site Prevents Occurrence of Medication-Related Osteonecrosis of the Jaws in Rats. <i>Scientific Reports</i> , 2019, 9, 22.	3.3	17
23	Bone fracture healing: perspectives according to molecular basis. <i>Journal of Bone and Mineral Metabolism</i> , 2021, 39, 311-331.	2.7	17
24	Biomaterials Applied to the Bone Healing Process. <i>International Journal of Morphology</i> , 2007, 25, 839.	0.2	16
25	Macroscopic and microscopic aspects of the temporomandibular joint related to its clinical implication. <i>Micron</i> , 2008, 39, 852-858.	2.2	16
26	Application of Low-Level Laser Irradiation (LLL) and rhBMP-2 in Critical Bone Defect of Ovariectomized Rats: Histomorphometric Evaluation. <i>Photomedicine and Laser Surgery</i> , 2011, 29, 453-458.	2.0	16
27	Bone repair investigation using rhBMP-2 and angiogenic protein extracted from latex. <i>Microscopy Research and Technique</i> , 2012, 75, 145-152.	2.2	16
28	Bone repair of critical-sized defects in Wistar rats treated with autogenic, allogenic or xenogenic bone grafts alone or in combination with natural latex fraction F1. <i>Biomedical Materials (Bristol)</i> , 2018, 13, 025022.	3.3	16
29	Biomaterials for orthopedics: anti-biofilm activity of a new bioactive glass coating on titanium implants. <i>Biofouling</i> , 2020, 36, 234-244.	2.2	16
30	Morphodigital Study of the Mandibular Trabecular Bone in Panoramic Radiographs. <i>International Journal of Morphology</i> , 2007, 25, .	0.2	15
31	Ultrastructural and biochemical changes of the medial pterygoid muscle induced by unilateral exodontia. <i>Micron</i> , 2008, 39, 536-543.	2.2	15
32	Analgesia Evaluation of 2 NSAID Drugs as Adjuvant in Management of Chronic Temporomandibular Disorders. <i>Scientific World Journal</i> , The, 2015, 2015, 1-7.	2.1	15
33	Bacterial Culture and DNA Checkerboard for the Detection of Internal Contamination in Dental Implants. <i>Journal of Prosthodontics</i> , 2009, 18, 376-381.	3.7	14
34	Ultrastructure of submandibular salivary glands of mouse: TEM and HRSEM observations. <i>Microscopy Research and Technique</i> , 2011, 74, 1154-1160.	2.2	14
35	Effectiveness of rhBMP-2 association to autogenous, allogeneic, and heterologous bone grafts. <i>Microscopy Research and Technique</i> , 2019, 82, 689-695.	2.2	14
36	Monoolein and chitosan gels as potential carriers of the rhBMP-2, using decortication surgical technique in Wistar rats as experimental model. <i>Micron</i> , 2008, 39, 952-959.	2.2	13

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37	Use of the DNA Checkerboard hybridization method for detection and quantitation of <i>Candida</i> species in oral microbiota. <i>Canadian Journal of Microbiology</i> , 2009, 55, 622-626.	1.7	13
38	Zylographic and ultrastructural evaluations after low-level laser irradiation on masseter muscle of HRS/J strain mice. <i>Lasers in Medical Science</i> , 2013, 28, 777-783.	2.1	13
39	Reduced Bone and Body Mass in Young Male Rats Exposed to Lead. <i>BioMed Research International</i> , 2014, 2014, 1-5.	1.9	13
40	The effect of simvastatin treatment on bone repair of femoral fracture in animal model. <i>Growth Factors</i> , 2015, 33, 139-148.	1.7	13
41	Osteoinductivity potential of rhBMP-2 associated with two carriers in different dosages. <i>Anatomical Science International</i> , 2010, 85, 181-188.	1.0	12
42	Osteoconductive Capacity of Hydroxyapatite Implanted Into the Skull of Diabetics. <i>Journal of Craniofacial Surgery</i> , 2011, 22, 2048-2052.	0.7	12
43	Influence of low-level laser associated with osteogenic proteins recombinant human BMP-2 and <i>Hevea brasiliensis</i> on bone repair in Wistar rats. <i>Microscopy Research and Technique</i> , 2012, 75, 117-125.	2.2	12
44	Study of the osteoconductive capacity of hydroxyapatite implanted into the femur of ovariectomized rats. <i>Microscopy Research and Technique</i> , 2012, 75, 133-137.	2.2	12
45	Application of a Low-Level Laser Therapy and the Purified Protein from Natural Latex ( <i>Hevea</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Quantitative, and Ultrastructural Study. <i>BioMed Research International</i> , 2013, 2013, 1-11.	1.9	12
46	Fine Structure of Bacterial Adhesion to the Epithelial Cell Membranes of the Filiform Papillae of Tongue and Palatine Mucosa of Rodents: A Morphometric, TEM, and HRSEM Study. <i>Microscopy Research and Technique</i> , 2013, 76, 1226-1233.	2.2	12
47	Properties of the tibialis anterior muscle after treatment with laser therapy and natural latex protein following sciatic nerve crush. <i>Muscle and Nerve</i> , 2015, 52, 869-875.	2.2	12
48	Low-intensity laser therapy efficacy evaluation in FVB mice subjected to acute and chronic arthritis. <i>Lasers in Medical Science</i> , 2017, 32, 1269-1277.	2.1	12
49	Effects of latex membrane on guided regeneration of long bones. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019, 30, 1291-1307.	3.5	12
50	Fine structure of myotendinous junction between the anterior belly of the digastric muscle and intermediate tendon in adults rats. <i>Micron</i> , 2012, 43, 258-262.	2.2	11
51	Histological, Histochemical, and Protein Changes after Induced Malocclusion by Occlusion Alteration of Wistar Rats. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	11
52	Morphological and histological effects on the medial pterygoid muscle after unilateral exodontia in gerbils. <i>Micron</i> , 2008, 39, 785-790.	2.2	9
53	Biomechanical and microstructural benefits of physical exercise associated with risedronate in bones of ovariectomized rats. <i>Microscopy Research and Technique</i> , 2014, 77, 431-438.	2.2	9
54	Effect of unilateral extraction of molar teeth on suprahyoid muscles: Macroscopic and ultrastructural aspects. <i>Micron</i> , 2008, 39, 1111-1118.	2.2	8

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55	The use of fluorescein for labeling genomic probes in the checkerboard DNA-DNA hybridization method. <i>Microbiological Research</i> , 2008, 163, 403-407.	5.3	8
56	Low-Level Laser Intensity Application in Masseter Muscle for Treatment Purposes. <i>Photomedicine and Laser Surgery</i> , 2010, 28, S-31-S-35.	2.0	8
57	Effect of alveolex on the bone defects repair stimulated by rhBMP-2: Histomorphometric study. <i>Microscopy Research and Technique</i> , 2012, 75, 36-41.	2.2	8
58	The osteogenic effects of swimming on bone mass, strength, and microarchitecture in rats with unloading-induced bone loss. <i>Microscopy Research and Technique</i> , 2015, 78, 784-791.	2.2	8
59	Preclinical study of a cost-effective photodynamic therapy protocol for treating oral candidoses. <i>Lasers in Medical Science</i> , 2017, 32, 1253-1260.	2.1	8
60	Undernutrition impairs the quality of growth plate and trabecular and cortical bones in growing rats. <i>Acta Cirurgica Brasileira</i> , 2019, 34, e201900301.	0.7	8
61	Trigeminal Nitric Oxide Synthase Expression Correlates with New Bone Formation During Distraction Osteogenesis. <i>Calcified Tissue International</i> , 2008, 82, 309-315.	3.1	7
62	Ultrastructural characteristics of the gerbil pterygoid medial muscle after experimental occlusal alteration. <i>Micron</i> , 2009, 40, 206-211.	2.2	7
63	Chronic stress effects in contralateral medial pterygoid muscle of rats with occlusion alteration. <i>Physiology and Behavior</i> , 2016, 164, 369-375.	2.1	7
64	Effect of treatment with simvastatin on bone microarchitecture of the femoral head in an osteoporosis animal model. <i>Microscopy Research and Technique</i> , 2016, 79, 684-690.	2.2	7
65	Nandrolone decanoate appears to increase bone callus formation in young adult rats after a complete femoral fracture. <i>Acta Cirurgica Brasileira</i> , 2017, 32, 924-934.	0.7	7
66	A high-fat diet can affect bone healing in growing rats. <i>Journal of Bone and Mineral Metabolism</i> , 2018, 36, 255-263.	2.7	7
67	Collagen fibers evaluation after rhBMP-2 insertion in critical-sized defects. <i>Micron</i> , 2009, 40, 560-562.	2.2	6
68	Histological and histochemical effects after occlusion alteration in suprahyoid muscles. <i>Micron</i> , 2009, 40, 239-246.	2.2	6
69	The Behavior of Demineralized Bone Matrix (DBM) in Post-Extraction Sockets. <i>International Journal of Morphology</i> , 2012, 30, 394-398.	0.2	6
70	Effect of electromagnetic field on bone regeneration around dental implants after immediate placement in the dog mandible: a pilot study. <i>Gerodontology</i> , 2012, 29, e1249-51.	2.0	6
71	Experimental tooth movement and photobiomodulation on bone remodeling in rats. <i>Lasers in Medical Science</i> , 2016, 31, 1883-1890.	2.1	6
72	Histomorphological and Angiogenic Analyzes of Skin Epithelium After Low Laser Irradiation in Hairless Mice. <i>Anatomical Record</i> , 2011, 294, 1592-1600.	1.4	5

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73	Qualitative study of young, adult, and aged wistar rats temporomandibular synovial membrane employing light, scanning, and transmission electron microscopy. <i>Microscopy Research and Technique</i> , 2012, 75, 1522-1527.	2.2	5
74	Effects of swimming associated with risedronate in osteopenic bones: An experimental study with ovariectomized rats. <i>Micron</i> , 2015, 78, 40-44.	2.2	5
75	Morphological Characterization of the Leukocytes in Circulating Blood of the Turtle ( <i>Phrynops</i> ) Tj ETQq1 1 0.784314,rgBT /Oyerlock 100.2	0.2	4
76	Radiographic Signals Detection of Systemic Disease: Orthopantomographic Radiography. <i>International Journal of Morphology</i> , 2008, 26, .	0.2	4
77	Evaluation of the bone repair in defects grafted with hydroxyapatite and collagen membrane combined with laser therapy in rats. <i>Journal of Laser Applications</i> , 2011, 23, .	1.7	4
78	Immunohistochemistry and ultrastructural characteristics of nerve endings in the oral mucosa of rat. <i>Microscopy (Oxford, England)</i> , 2013, 62, 259-270.	1.5	4
79	Biomechanical Evaluation of a Spinal Screw Fixation System by the Finite Element Method. <i>International Journal of Morphology</i> , 2015, 33, 318-326.	0.2	4
80	Bone callus formation is highly disrupted by dietary restriction in growing rats sustaining a femoral fracture. <i>Acta Cirurgica Brasileira</i> , 2019, 34, e20190010000002.	0.7	4
81	Microcystin-LR at sublethal concentrations induce rapid morphology of liver and muscle tissues in the fish species <i>Astyanax altiparanae</i> (Lambari). <i>Toxicon</i> , 2022, 211, 70-78.	1.6	4
82	DNA Checkerboard Method for Bacterial Pathogen Identification in Oral Diseases. <i>International Journal of Morphology</i> , 2006, 24, 619.	0.2	3
83	Radioautographic study of the seasonal distribution of leukocytes in turtles <i>Phrynops hilarii</i> ( <i>Chelonia Chelidae</i> ). <i>Micron</i> , 2008, 39, 1381-1386.	2.2	3
84	Ultrastructure and Light Microscope Analysis of Intact Skin after a Varying Number of Low Level Laser Irradiations in Mice. <i>BioMed Research International</i> , 2014, 2014, 1-8.	1.9	3
85	Metabolic Changes in Masseter Muscle of Rats Submitted to Acute Stress Associated with Exodontia. <i>PLoS ONE</i> , 2015, 10, e0128397.	2.5	3
86	Decalcification Dynamic of Dog Mineralized Tissue by Microwaves. <i>International Journal of Morphology</i> , 2007, 25, .	0.2	3
87	A Singular Method to Compare Dental Radiographic Films Used to Study Maxillofacial Structures. <i>International Journal of Morphology</i> , 2007, 25, .	0.2	3
88	In vitro Fluoride Release and Tensile Bond Strength of a Polymeric Intra-Buccal Bioadhesive. <i>International Journal of Morphology</i> , 2009, 27, .	0.2	3
89	Histological Evaluation of the Bone Repair Using Mineral Trioxide Aggregate Combined to a Material Carrier. <i>International Journal of Morphology</i> , 2007, 25, .	0.2	2
90	Newly Formed Bone in Mandible Decortication Experimental Model Using rhBMP-2 Evaluated by Densitometric Study. <i>International Journal of Morphology</i> , 2008, 26, .	0.2	2

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91	Clinical Evaluation of Residual Tetrasodium Pyrophosphate Released from Two Different Anticalculus Flosses. <i>Brazilian Dental Journal</i> , 2015, 26, 116-120.	1.1	2
92	Effects of ghrelin supplementation on the acute phase of Chagas disease in rats. <i>Parasites and Vectors</i> , 2019, 12, 532.	2.5	2
93	Morphogenetic Protein rhBMP-2 and New Bone Formation. <i>International Journal of Morphology</i> , 2006, 24, 323.	0.2	1
94	Mononuclear phagocytes in the blood of turtles characterized by ultrastructural and cytochemical analyses and by phagocytic activity. <i>Micron</i> , 2008, 39, 1288-1292.	2.2	1
95	Morphodigital study of bone quality in the mandibular angle in patients with third molar impacted. <i>Anatomical Science International</i> , 2009, 84, 246-252.	1.0	1
96	Characterization of Blood Mononuclear Phagocytes in <i>Phrynos hilarii</i> (Chelonia Chelidae). <i>International Journal of Morphology</i> , 2007, 25, .	0.2	1
97	Evaluation of tissue in repair with natural latex and / or hyaluronic acid in surgical bone defects. <i>Brazilian Dental Journal</i> , 2021, 32, 83-95.	1.1	1
98	Clinical and Histochemical Alterations of the Periodontal Ligament in Gerbils after Malocclusion Induced. <i>International Journal of Morphology</i> , 2007, 25, .	0.2	0
99	Influence of the Occlusal Alteration in the Mandible Morphology of the Gerbil. <i>International Journal of Morphology</i> , 2010, 28, 1151-1157.	0.2	0
100	Angioarchitecture and morphology of temporomandibular joint of <i>Monodelphis domestica</i> . <i>Microscopy Research and Technique</i> , 2016, 79, 806-813.	2.2	0
101	DESARROLLO Y CRECIMIENTO FEMORAL DE CONEJAS DE LA LÃNEA NEW ZEALAND. <i>Acta Biologica Colombiana</i> , 2021, 26, 385-392.	0.4	0
102	Upregulation of FosB/ FosB in limbic circuits after tooth exodontia-induced occlusal instability in an experimental model of unpredictable chronic stress. <i>Brain Research Bulletin</i> , 2021, 176, 142-150.	3.0	0
103	Effects of Photobiomodulation on Experimental Bone Repair in Animal models: a Systematic Review. <i>Journal of Morphological Sciences</i> , 0, 38, 224-236.	0.2	0
104	Comparative Bilateral Bone Density of the Mandible Angle. <i>International Journal of Morphology</i> , 2007, 25, .	0.2	0
105	Interaction between rhBMP-2 and different types of bone grafts (922.18). <i>FASEB Journal</i> , 2014, 28, 922.18.	0.5	0
106	The low-level laser and natural latex protein applied on the sciatic nerve crushed: morphometric and scanning electron microscopy study (726.11). <i>FASEB Journal</i> , 2014, 28, 726.11.	0.5	0
107	The Human Body Known Through the Renovated Museum of Anatomy From the Faculty of Dentistry of Ribeirão Preto. <i>International Journal of Morphology</i> , 2015, 33, 1078-1084.	0.2	0
108	The absence of the autoimmune regulator gene (AIRE) impairs the three-dimensional structure of medullary thymic epithelial cell spheroids. <i>BMC Molecular and Cell Biology</i> , 2022, 23, 15.	2.0	0