

# Marco Andrey C Frade

## List of Publications by Citations

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111  
papers

1,864  
citations

24  
h-index

39  
g-index

119  
ext. papers

2,319  
ext. citations

3.9  
avg, IF

4.74  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 111 | Enhancing the Hydrophilicity and Cell Attachment of 3D Printed PCL/Graphene Scaffolds for Bone Tissue Engineering. <i>Materials</i> , <b>2016</b> , 9,   | 3.5  | 163       |
| 110 | Phototherapy promotes healing of chronic diabetic leg ulcers that failed to respond to other therapies. <i>Lasers in Surgery and Medicine</i> , <b>2009</b> , 41, 433-41   | 3.6  | 110       |
| 109 | Comparison of collagen content in skin wounds evaluated by biochemical assay and by computer-aided histomorphometric analysis. <i>Pharmaceutical Biology</i> , <b>2016</b> , 54, 2555-2559   | 3.8  | 81        |
| 108 | Skin conditions in diabetes mellitus: a clinical practice based panel. <i>Diabetology and Metabolic Syndrome</i> , <b>2015</b> , 7, A31  | 5.6  | 78        |
| 107 | Phototherapy improves healing of chronic venous ulcers. <i>Photomedicine and Laser Surgery</i> , <b>2009</b> , 27, 111-8   |      | 77        |
| 106 | Chitosan-alginate membranes accelerate wound healing. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2015</b> , 103, 1013-22   | 3.5  | 62        |
| 105 | Phylogenomics and antimicrobial resistance of the leprosy bacillus <i>Mycobacterium leprae</i> . <i>Nature Communications</i> , <b>2018</b> , 9, 352   | 17.4 | 61        |
| 104 | Chronic phlebopathic cutaneous ulcer: a therapeutic proposal. <i>International Journal of Dermatology</i> , <b>2001</b> , 40, 238-40   | 1.7  | 53        |
| 103 | The inflammatory stimulus of a natural latex biomembrane improves healing in mice. <i>Brazilian Journal of Medical and Biological Research</i> , <b>2011</b> , 44, 1036-47   | 2.8  | 51        |
| 102 | Experimental models and methods for cutaneous wound healing assessment. <i>International Journal of Experimental Pathology</i> , <b>2020</b> , 101, 21-37  | 2.8  | 48        |
| 101 | Hyaluronidase modulates inflammatory response and accelerates the cutaneous wound healing. <i>PLoS ONE</i> , <b>2014</b> , 9, e112297  | 3.7  | 46        |
| 100 | Evidence of zoonotic leprosy in Pará-Brazilian Amazon, and risks associated with human contact or consumption of armadillos. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006532                                    | 4.8  | 45        |
| 99  | High rates of undiagnosed leprosy and subclinical infection amongst school children in the Amazon Region. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2012</b> , 107 Suppl 1, 60-7  | 2.6  | 41        |
| 98  | Unexpectedly high leprosy seroprevalence detected using a random surveillance strategy in midwestern Brazil: A comparison of ELISA and a rapid diagnostic test. <i>PLoS Neglected Tropical Diseases</i> , <b>2017</b> , 11, e0005375 | 4.8  | 39        |
| 97  | Xenogeneic Mesenchymal Stromal Cells Improve Wound Healing and Modulate the Immune Response in an Extensive Burn Model. <i>Cell Transplantation</i> , <b>2016</b> , 25, 201-15   | 4    | 37        |
| 96  | Spatial epidemiology and serologic cohorts increase the early detection of leprosy. <i>BMC Infectious Diseases</i> , <b>2015</b> , 15, 527   | 4    | 34        |
| 95  | Morphological, mechanical and biological assessment of PCL/pristine graphene scaffolds for bone regeneration. <i>International Journal of Bioprinting</i> , <b>2016</b> , 2,   | 6.2  | 33        |

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| 94 | Assessment of Chitosan-Based Hydrogel and Photodynamic Inactivation against Propionibacterium acnes. <i>Molecules</i> , <b>2018</b> , 23,  | 4.8  | 28 |
| 93 | Lipoxin A4 encapsulated in PLGA microparticles accelerates wound healing of skin ulcers. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182381  | 3.7  | 27 |
| 92 | 3D-Printed Poly(e-caprolactone)/Graphene Scaffolds Activated with P1-Latex Protein for Bone Regeneration. <i>3D Printing and Additive Manufacturing</i> , <b>2018</b> , 5, 127-137                                     | 4    | 27 |
| 91 | Development of lamellar gel phase emulsion containing marigold oil ( <i>Calendula officinalis</i> ) as a potential modern wound dressing. <i>European Journal of Pharmaceutical Sciences</i> , <b>2015</b> , 71, 62-72 | 5.1  | 26 |
| 90 | The vegetal biomembrane in the healing of chronic venous ulcers. <i>Anais Brasileiros De Dermatologia</i> , <b>2012</b> , 87, 45-51  | 1.6  | 26 |
| 89 | What do we actually know about leprosy worldwide?. <i>Lancet Infectious Diseases, The</i> , <b>2016</b> , 16, 778  | 25.5 | 26 |
| 88 | Cellularized versus decellularized scaffolds for bone regeneration. <i>Materials Letters</i> , <b>2016</b> , 182, 318-322  | 3.3  | 25 |
| 87 | Classification of color images of dermatological ulcers. <i>IEEE Journal of Biomedical and Health Informatics</i> , <b>2013</b> , 17, 136-42   | 7.2  | 23 |
| 86 | Are leprosy case numbers reliable?. <i>Lancet Infectious Diseases, The</i> , <b>2018</b> , 18, 135-137   | 25.5 | 21 |
| 85 | Skin changes in streptozotocin-induced diabetic rats. <i>Biochemical and Biophysical Research Communications</i> , <b>2017</b> , 490, 1154-1161  | 3.4  | 21 |
| 84 | Prolonged viability of human organotypic skin explant in culture method (hOSEC). <i>Anais Brasileiros De Dermatologia</i> , <b>2015</b> , 90, 347-50   | 1.6  | 21 |
| 83 | Genistein prevents ultraviolet B radiation-induced nitrosative skin injury and promotes cell proliferation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , <b>2015</b> , 144, 20-7                     | 6.7  | 21 |
| 82 | Ex vivo Model of Human Skin (hOSEC) as Alternative to Animal use for Cosmetic Tests. <i>Procedia Engineering</i> , <b>2015</b> , 110, 67-73  |      | 19 |
| 81 | Osteogenic Differentiation of Adipose-derived Mesenchymal Stem Cells into Polycaprolactone (PCL) Scaffold. <i>Procedia Engineering</i> , <b>2015</b> , 110, 59-66  |      | 19 |
| 80 | Evidence of hidden leprosy in a supposedly low endemic area of Brazil. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2017</b> , 112, 822-828  | 2.6  | 19 |
| 79 | Chronic Ulcers: Updating Epidemiology, Physiopathology, and Therapies. <i>Ulcers</i> , <b>2013</b> , 2013, 1-1   |      | 19 |
| 78 | New sonographic measures of peripheral nerves: a tool for the diagnosis of peripheral nerve involvement in leprosy. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2013</b> , 108,                                     | 2.6  | 19 |
| 77 | Struthanthus vulgaris ointment prevents an over expression of inflammatory response and accelerates the cutaneous wound healing. <i>Journal of Ethnopharmacology</i> , <b>2016</b> , 190, 319-27                       | 5    | 18 |

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| 76 | Experimental models of malnutrition and its effect on skin trophism. <i>Anais Brasileiros De Dermatologia</i> , <b>2011</b> , 86, 681-8  | 1.6 | 18 |
| 75 | Leprosy in Children. <i>Current Infectious Disease Reports</i> , <b>2017</b> , 19, 23  | 3.9 | 17 |
| 74 | Novel polymeric dressing to the treatment of infected chronic wound. <i>Applied Microbiology and Biotechnology</i> , <b>2019</b> , 103, 4767-4778  | 5.7 | 17 |
| 73 | Tissue Constructs with Human Adipose-Derived Mesenchymal Stem Cells to Treat Bone Defects in Rats. <i>Materials</i> , <b>2019</b> , 12,  | 3.5 | 17 |
| 72 | Úlcera de perna: um estudo de casos em Juiz de Fora-MG (Brasil) e região. <i>Anais Brasileiros De Dermatologia</i> , <b>2005</b> , 80, 41-46   | 1.6 | 17 |
| 71 | Asymmetric Nerve Enlargement: A Characteristic of Leprosy Neuropathy Demonstrated by Ultrasonography. <i>PLoS Neglected Tropical Diseases</i> , <b>2015</b> , 9, e0004276  | 4.8 | 16 |
| 70 | Phototherapy (LEDs 660/890nm) in the treatment of leg ulcers in diabetic patients: case study. <i>Anais Brasileiros De Dermatologia</i> , <b>2009</b> , 84, 279-83   | 1.6 | 16 |
| 69 | Social determinants, their relationship with leprosy risk and temporal trends in a tri-border region in Latin America. <i>PLoS Neglected Tropical Diseases</i> , <b>2018</b> , 12, e0006407  | 4.8 | 15 |
| 68 | Color image processing and content-based image retrieval techniques for the analysis of dermatological lesions. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , <b>2008</b> , 2008, 1230-3 | 0.9 | 15 |
| 67 | Development, characterization and pre-clinical trials of an innovative wound healing dressing based on propolis (EPP-AF $\square$ ) -containing self-microemulsifying formulation incorporated in biocellulose membranes. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 136, 570-578             | 7.9 | 14 |
| 66 | Ultrasonography of Leprosy Neuropathy: A Longitudinal Prospective Study. <i>PLoS Neglected Tropical Diseases</i> , <b>2016</b> , 10, e0005111  | 4.8 | 14 |
| 65 | Phototherapy promotes healing of cutaneous wounds in undernourished rats. <i>Anais Brasileiros De Dermatologia</i> , <b>2014</b> , 89, 899-904   | 1.6 | 13 |
| 64 | Leprosy with ulnar nerve abscess: ultrasound findings in a child. <i>Skeletal Radiology</i> , <b>2017</b> , 46, 137-140  | 2.7 | 12 |
| 63 | Antimicrobial activity of copaíba (Copaifera langsdorffii) oleoresin on bacteria of clinical significance in cutaneous wounds. <i>Revista Brasileira De Plantas Mediciniais</i> , <b>2013</b> , 15, 664-669  |     | 12 |
| 62 | Clinical and immunohistopathological aspects of venous ulcers treatment by Low-Intensity Pulsed Ultrasound (LIPUS). <i>Ultrasonics</i> , <b>2013</b> , 53, 870-9   | 3.5 | 11 |
| 61 | The oral cavity in leprosy: what clinicians need to know. <i>Oral Diseases</i> , <b>2017</b> , 23, 749-756   | 3.5 | 11 |
| 60 | Ultrasound elastography assessment of the median nerve in leprosy patients. <i>Muscle and Nerve</i> , <b>2017</b> , 56, 393-398  | 3.4 | 10 |
| 59 | Photobiomodulation effect on the proliferation of adipose tissue mesenchymal stem cells. <i>Lasers in Medical Science</i> , <b>2019</b> , 34, 677-683  | 3.1 | 10 |

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| 58 | Natural-biomembrane dressing and hypersensitivity. <i>Anais Brasileiros De Dermatologia</i> , <b>2011</b> , 86, 885-911   | 1.6  | 9 |
| 57 | Segmentation and analysis of the tissue composition of dermatological ulcers <b>2010</b> ,  |      | 9 |
| 56 | Consensus on the diagnosis and management of chronic leg ulcers - Brazilian Society of Dermatology. <i>Anais Brasileiros De Dermatologia</i> , <b>2020</b> , 95 Suppl 1, 1-18   | 1.6  | 8 |
| 55 | Epidermal necrolysis: SCORTEN performance in AIDS and non-AIDS patients. <i>Anais Brasileiros De Dermatologia</i> , <b>2019</b> , 94, 17-23   | 1.6  | 7 |
| 54 | High anti-phenolic glycolipid-I IgM titers and hidden leprosy cases, Amazon region. <i>Emerging Infectious Diseases</i> , <b>2012</b> , 18, 889-90  | 10.2 | 7 |
| 53 | Wound healing modulation by a latex protein-containing polyvinyl alcohol biomembrane. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , <b>2016</b> , 389, 747-56   | 3.4  | 7 |
| 52 | Healing effects of natural latex serum 1% from <i>Hevea brasiliensis</i> in an experimental skin abrasion wound model. <i>Anais Brasileiros De Dermatologia</i> , <b>2020</b> , 95, 418-427                                   | 1.6  | 6 |
| 51 | Effect of photobiomodulation associated with cell therapy in the process of cutaneous regeneration in third degree burns in rats. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2020</b> , 14, 673-683  | 4.4  | 6 |
| 50 | Úlceras cutâneas na hanseníase: perfil clínico-epidemiológico dos pacientes. <i>Anais Brasileiros De Dermatologia</i> , <b>2007</b> , 82, 433-437   | 1.6  | 6 |
| 49 | Clinical and immunological evaluation after BCG-id vaccine in leprosy patients in a 5-year follow-up study. <i>Journal of Inflammation Research</i> , <b>2012</b> , 5, 125-35   | 4.8  | 5 |
| 48 | Factors associated with seropositivity for APGL-I among household contacts of leprosy patients. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , <b>2016</b> , 49, 83-9  | 1.5  | 5 |
| 47 | Phototherapy improves wound healing in rats subjected to high-fat diet. <i>Lasers in Medical Science</i> , <b>2015</b> , 30, 1481-8   | 3.1  | 4 |
| 46 | miRNome Expression Analysis Reveals New Players on Leprosy Immune Physiopathology. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 463  | 8.4  | 4 |
| 45 | Segmentation of dermatological ulcers using clustering of color components <b>2013</b> ,  |      | 4 |
| 44 | Leprosy in a prison population: A new active search strategy and a prospective clinical analysis. <i>PLoS Neglected Tropical Diseases</i> , <b>2020</b> , 14, e0008917  | 4.8  | 4 |
| 43 | Clinical Manifestation, Histopathology, and Imaging of Traumatic Injuries Caused by Brazilian Porcupine ( ) Quills. <i>Case Reports in Dermatological Medicine</i> , <b>2016</b> , 2016, 7851986                              | 0.8  | 4 |
| 42 | Physico-chemical characterization and tissue healing changes by <i>Hancornia speciosa</i> Gomes latex biomembrane. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2021</b> , 109, 938-948 | 3.5  | 4 |
| 41 | Efficacy of 0.2% hyaluronic acid in the healing of skin abrasions in rats. <i>Heliyon</i> , <b>2021</b> , 7, e07572   | 3.6  | 4 |

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|----|---|--------|
| 40 | Cross-sectional screening study for Leishmania DNA and antibodies in biologic-treated patients with psoriasis living in an area endemic for leishmaniasis. <i>British Journal of Dermatology</i> , <b>2019</b> , 181, 1337-1339   | 3      |
| 39 | NFB activation in cutaneous lesions of leprosy is associated with development of multibacillary infection. <i>Journal of Inflammation Research</i> , <b>2014</b> , 7, 133-8   | 4.8 3  |
| 38 | Classification of dermatological ulcers based on tissue composition and color texture features <b>2011</b>  | 3      |
| 37 | Ex vivo model of human skin (hOSEC) for assessing the dermatokinetics of the anti-melanoma drug Dacarbazine. <i>European Journal of Pharmaceutical Sciences</i> , <b>2021</b> , 160, 105769   | 5.1 3  |
| 36 | The skin health of fishermen in Guanabara Bay, Rio de Janeiro, Brazil. <i>International Journal of Dermatology</i> , <b>2019</b> , 58, 483-490  | 1.7 2  |
| 35 | Color and Texture Influence on Computer-Aided Diagnosis of Dermatological Ulcers <b>2015</b> ,  | 2      |
| 34 | Lucio's phenomenon: A life-threatening medical emergency. <i>International Journal of Infectious Diseases</i> , <b>2018</b> , 69, 94-95   | 10.5 2 |
| 33 | A Comparative Study of Cell Therapy and Fibrin Glue Applied to Chronic Venous Ulcers. <i>Procedia Engineering</i> , <b>2013</b> , 59, 85-91   | 2      |
| 32 | Estresse oxidativo e micronutrientes na hanseníase. <i>Revista De Nutricao</i> , <b>2015</b> , 28, 349-357  | 1.8 2  |
| 31 | Baropodometric Evaluations and Sensitivity Alterations in Plantar Ulcer Formation in Leprosy. <i>International Journal of Lower Extremity Wounds</i> , <b>2014</b> , 13, 110-115  | 1.6 2  |
| 30 | Thermographic Characterization of Cutaneous Ulcers of Different Etiologies. <i>Journal of Medical Systems</i> , <b>2020</b> , 44, 160   | 5.1 2  |
| 29 | Semmes-Weinstein monofilament: A tool to quantify skin sensation in macular lesions for leprosy diagnosis. <i>Indian Journal of Dermatology, Venereology and Leprology</i> , <b>2021</b> , 87, 807-815  | 0.8 2  |
| 28 | Evaluation and Comparison of Wound Healing Properties of an Ointment (AlpaWash) Containing Brazilian Micronized Propolis and Peucedanum ostruthium Leaf Extract in Skin Ulcer in Rats. <i>International Journal of Pharmaceutical Compounding</i> , <b>2018</b> , 22, 154-163 | 0.2 2  |
| 27 | Viral load is associated with mitochondrial dysfunction and altered monocyte phenotype in acute severe SARS-CoV-2 infection.. <i>International Immunopharmacology</i> , <b>2022</b> , 108, 108697   | 5.8 2  |
| 26 | Leprosy in urban space, areas of risk for disability and worsening of this health condition in Foz Do Iguaçu, the border region between Brazil, Paraguay and Argentina. <i>BMC Public Health</i> , <b>2020</b> , 20, 119  | 4.1 1  |
| 25 | Leprosy: Education as first priority. <i>Journal of Neurosciences in Rural Practice</i> , <b>2014</b> , 5, S3-4   | 1.1 1  |
| 24 | Tactile threshold detection in leprosy patients with an electronic algometer. <i>Journal of Neuroscience Methods</i> , <b>2009</b> , 179, 319-22  | 3 1    |
| 23 | Pitiríase versicolor e síndrome da imunodeficiência adquirida (SIDA). <i>Anais Brasileiros De Dermatologia</i> , <b>2003</b> , 78, 569-577  | 1.6 1  |

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| 22 | Latent leprosy infection identified by dual RLEP and anti-PGL-I positivity: Implications for new control strategies. <i>PLoS ONE</i> , <b>2021</b> , 16, e0251631   | 3.7 | 1 |
| 21 | Active search strategies, clinicoimmunobiological determinants and training for implementation research confirm hidden endemic leprosy in inner Sõ Paulo, Brazil. <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0009495  | 4.8 | 1 |
| 20 | The risk of leprosy in patients using immunobiologics and conventional immunosuppressants for the treatment of dermatological and rheumatological diseases: a cohort study. <i>Journal of the European Academy of Dermatology and Venereology</i> , <b>2021</b> , 35, e21-e24 | 4.6 | 1 |
| 19 | Methylprednisolone pulse therapy for leprosy neuritis: A retrospective study with sensory testing and peripheral nerve ultrasonography correlation. <i>Indian Journal of Dermatology, Venereology and Leprology</i> , <b>2021</b> , 1-3                                       | 0.8 | 1 |
| 18 | Innovative mapping of skin sensitivity by monofilaments to record the diagnosis and therapeutic follow-up of leprosy.. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , <b>2022</b> , 55, e0386  | 1.5 | 1 |
| 17 | Th17 Response of Borderline-Lepromatous Leprosy Inhibits Rash Manifestation of Dapsone Hypersensitivity Syndrome: Case Report. <i>American Journal of Dermatopathology</i> , <b>2018</b> , 40, 205-208  | 0.9 | 0 |
| 16 | Leprosy case series in the emergency room: A warning sign for a challenging diagnosis. <i>Brazilian Journal of Infectious Diseases</i> , <b>2021</b> , 25, 101634   | 2.8 | 0 |
| 15 | Lucio's phenomenon: A systematic literature review of definition, clinical features, histopathogenesis and management. <i>Indian Journal of Dermatology, Venereology and Leprology</i> , <b>2021</b> , 1-14   | 0.8 | 0 |
| 14 | Innovative tracking, active search and follow-up strategies for new leprosy cases in the female prison population. <i>PLoS Neglected Tropical Diseases</i> , <b>2021</b> , 15, e0009716   | 4.8 | 0 |
| 13 | Functionalized Titanium Nanoparticles Induce Oxidative Stress and Cell Death in Human Skin Cells.. <i>International Journal of Nanomedicine</i> , <b>2022</b> , 17, 1495-1509   | 7.3 | 0 |
| 12 | A Case of Linear Alopecia of the Scalp. <i>Skin Appendage Disorders</i> , <b>2020</b> , 6, 389-392  | 1.4 |   |
| 11 | Autoimmune hepatitis associated with leprosy in a child. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2013</b> , 56, e15-6   | 2.8 |   |
| 10 | Combined 660 and 880 nm Light Improves Healing of Recalcitrant Diabetic Ulcers. <i>Lecture Notes in Electrical Engineering</i> , <b>2008</b> , 23-32  | 0.2 |   |
| 9  | Flame Hair: Auxiliary Trichoscopic Finding in Radiotherapy-Induced Alopecia. <i>Skin Appendage Disorders</i> , <b>2021</b> , 7, 224-226   | 1.4 |   |
| 8  | Clinical Manifestation, Dermoscopy, and Scanning Electron Microscopy in Two Cases of Contagious Ecthyma (Orf Nodule). <i>Case Reports in Dermatological Medicine</i> , <b>2018</b> , 2018, 2094086  | 0.8 |   |
| 7  | Asymptomatic low pulse oximetry measurements in leprosy patients in the time of COVID-19: Dapsone side effect.. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , <b>2022</b> , 55, e0491   | 1.5 |   |
| 6  | Leprosy in a prison population: A new active search strategy and a prospective clinical analysis <b>2020</b> , 14, e0008917   |     |   |
| 5  | Leprosy in a prison population: A new active search strategy and a prospective clinical analysis <b>2020</b> , 14, e0008917   |     |   |

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2 Leprosy in a prison population: A new active search strategy and a prospective clinical analysis **2020**  
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