Marcus Vinicius Lia Fook

List of Publications by Year
in descending order

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106	929	623188	525886
papers	citations	14 h-index	27 g-index

106	106	106	1393
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preparation and Characterization of Chitosan Obtained from Shells of Shrimp (Litopenaeus vannamei) Tj ETQq1 1 0.784314 rgBT /Ov	2.2	238
2	Chitosan/Essential Oils Formulations for Potential Use as Wound Dressing: Physical and Antimicrobial Properties. Materials, 2019, 12, 2223.	1.3	64
3	Incorporation of a recycled rubber compound from the shoe industry in polystyrene: Effect of SBS compatibilizer content. Journal of Elastomers and Plastics, 2020, 52, 3-28.	0.7	43
4	Protection against T1DM-Induced Bone Loss by Zinc Supplementation: Biomechanical, Histomorphometric, and Molecular Analyses in STZ-Induced Diabetic Rats. PLoS ONE, 2015, 10, e0125349.	1.1	40
5	Biomimetic apatite formation on Ultra-High Molecular Weight Polyethylene (UHMWPE) using modified biomimetic solution. Journal of Materials Science: Materials in Medicine, 2009, 20, 1215-1222.	1.7	28
6	Use of chitosan and Î²-tricalcium phosphate, alone and in combination, for bone healing in rabbits. Journal of Materials Science: Materials in Medicine, 2014, 25, 481-486.	1.7	25
7	Comparison of crystallinity between natural hydroxyapatite and synthetic cp-Ti /HA coatings. Materials Research, 2005, 8, 207-211.	0.6	22
8	Preparation and Characterization of Chitosan-Insulin-Tripolyphosphate Membrane for Controlled Drug Release: Effect of Cross Linking Agent. Journal of Biomaterials and Nanobiotechnology, 2014, 05, 211-219.	1.0	22
9	Anabolic Effect of Insulin Therapy on the Bone: Osteoprotegerin and Osteocalcin Upâ€Regulation in Streptozotocinâ€Induced Diabetic Rats. Basic and Clinical Pharmacology and Toxicology, 2017, 120, 227-234.	1.2	21
10	Thermal, chemical, biological and mechanical properties of chitosan films with powder of eggshell membrane for biomedical applications. Journal of Thermal Analysis and Calorimetry, 2019, 136, 725-735.	2.0	20
11	Injectable bone substitute based on chitosan with polyethylene glycol polymeric solution and biphasic calcium phosphate microspheres. Carbohydrate Polymers, 2020, 245, 116575.	5.1	20
12	Progress in the Development of Chitosan Based Insulin Delivery Systems: A Systematic Literature Review. Polymers, 2020, 12, 2499.	2.0	18
13	N-Acetyl-D-Glucosamine-Loaded Chitosan Filaments Biodegradable and Biocompatible for Use as Absorbable Surgical Suture Materials. Materials, 2019, 12, 1807.	1.3	17
14	Optimization of Epoxy Resin: An Investigation of Eggshell as a Synergic Filler. Materials, 2019, 12, 1489.	1.3	17
15	Kinetic investigation of eggshell powders as biobased epoxy catalyzer. Composites Part B: Engineering, 2020, 183, 107651.	5.9	17
16	Physicomechanical characterization and biological evaluation of bulk-fill composite resin. Brazilian Oral Research, 2018, 32, e107.	0.6	15
17	Chitosan/NaF Particles Prepared Via Ionotropic Gelation: Evaluation of Particles Size and Morphology. Materials Research, 2018, 21, .	0.6	15
18	Porous Hydroxyapatite Scaffolds by Polymer Sponge Method. Key Engineering Materials, 0, 396-398, 703-706.	0.4	14

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19	Microbiological and cytotoxic perspectives of active PCL/ZnO film for food packaging. Materials Research Express, 2020, 7, 025312.	0.8	14
20	Synthesis and Preparation of Chitosan/Clay Microspheres: Effect of Process Parameters and Clay Type. Materials, 2018, 11, 2523.	1.3	13
21	Synthesis and characterization of Ag-doped 45S5 bioglass and chitosan/45S5-Ag biocomposites for biomedical applications. Journal of Thermal Analysis and Calorimetry, 2021, 145, 39-50.	2.0	13
22	Surface Bioactivation of Polyether Ether Ketone (PEEK) by Sulfuric Acid and Piranha Solution: Influence of the Modification Route in Capacity for Inducing Cell Growth. Biomolecules, 2021, 11, 1260.	1.8	13
23	Physicomechanical and thermal analysis of bulk-fill and conventional composites. Brazilian Oral Research, 2019, 33, e008.	0.6	12
24	Propriedades mecÃ¢nicas de blendas de PS/resÃduo de borracha: influÃªncia da concentraÃ§Ã£o, granulometria e mÃ©todo de moldagem. Polimeros, 1997, 7, 45-52.	0.2	12
25	Thermal, morphological, spectroscopic and biological study of chitosan, hydroxyapatite and wollastonite biocomposites. Journal of Thermal Analysis and Calorimetry, 2018, 134, 1521-1530.	2.0	10
26	Influence of PCL on the epoxy workability, insights from thermal and spectroscopic analyses. Polymer Testing, 2020, 89, 106679.	2.3	10
27	Estudo da influÃªncia dos Ãons K+, Mg2+, SO4(2-) e CO3(2-) na cristalizaÃ§Ã£o biomimÃ©tica de fosfato de cÃ¡lcio amorfo (ACP) e conversÃ£o a fosfato octacÃ¡lcico (OCP). Quimica Nova, 2007, 30, 892-896.	0.3	9
28	Chemodiversity and Antibacterial Activity of the Essential Oil of Leaves of Croton argyrophyllus. Chemistry and Biodiversity, 2020, 17, e2000575.	1.0	9
29	Desenvolvimento e caracterizaÃ§Ã£o de suportes porosos de polietileno de ultra alto peso molecular (PEUAPM) para utilizaÃ§Ã£o como biomaterial para reposiÃ§Ã£o e regeneraÃ§Ã£o Ã³ssea. Polimeros, 2008, 18, 277-280.	0.2	8
30	Effect of different carboxylic acids as solvent on chitosan fibers production by wet spinning. Revista Materia, 2016, 21, 525-531.	0.1	8
31	Inexpensive Apparatus for Fabricating Microspheres for 5-Fluorouracil Controlled Release Systems. International Journal of Chemical Engineering, 2018, 2018, 1-8.	1.4	8
32	Sulfonated poly(ether ether ketone)/hydroxyapatite membrane as biomaterials: process evaluation. Polimeros, 2019, 29, .	0.2	7
33	Hidroxiapatita e quitosana isoladas e associadas Ã medula Ã³ssea no reparo do tecido Ã³sseo em coelhos. Estudo histolÃ³gico e morfomÃ©trico. Ciencia Rural, 2013, 43, 1265-1270.	0.3	5
34	UtilizaÃ§Ã£o do filme de quitosana na reparaÃ§Ã£o de tendÃ£o em coelhos. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2014, 66, 995-1002.	0.1	5
35	Biocompatibility of Dental Restorative Materials. Materials Science Forum, 0, 805, 19-25.	0.3	5
36	Role of Surfactants in the Properties of Poly(Ethylene Terephthalate)/Purified Clay Nanocomposites. Materials, 2018, 11, 1397.	1.3	5

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37	AvaliaÃ§Ã£o de diferentes proporÃ§Ãµes de fosfato de cÃ¡lcio na regeneraÃ§Ã£o do tecido Ã³sseo de coelhos: estudo clÃnicocirÃºrgico, radiolÃ³gico e histolÃ³gico. Brazilian Journal of Veterinary Research and Animal Science, 2012, 49, 12.	0.2	5
38	On the Curing of ESO/MTHPA/DEH 35 and ESO/MTHPA/DEH 35/TIN. Journal of Polymers and the Environment, 2022, 30, 4014-4022.	2.4	5
39	Biodegradable Chitosan Scaffolds: Effect of Genipin Crosslinking. Materials Science Forum, 2014, 805, 116-121.	0.3	4
40	SÃntese e caracterizaÃ§Ã£o de arcabouÃ§os de quitosana com agente antineoplÃ¡sicos. Revista Materia, 2016, 21, 129-140.	0.1	4
41	PCL/ZnO Bio-friendly Films as Food Packaging Material.Thermal and morphological analysis. Revista Materia, 2018, 23, .	0.1	4
42	Biodegradable polymeric wires: monofilament and multifilament. Materials Research Innovations, 2020, 24, 166-170.	1.0	4
43	Photodegradation of polystyrene/rubber waste blends compatibilized with SBS copolymer. Journal of Elastomers and Plastics, 2020, 52, 356-379.	0.7	4
44	InfluÃªncia dos Ãons K+ e Mg2+ na obtenÃ§Ã£o de apatitas biomimÃ©ticas. Ecletica Quimica, 2005, 30, 13-18.	0.2	4
45	Chitosan-clay nanocomposite as a drug delivery system of ibuprofen. Research, Society and Development, 2022, 11, e25911124684.	0.0	4
46	CaracterizaÃ§Ã£o fÃsico-quÃmica e dielÃ©trica de Ã³leos biodegradÃ¡veis para transformadores elÃ©tricos. Revista Brasileira De Engenharia Agricola E Ambiental, 2012, 16, 229-234.	0.4	3
47	Feasibility Study for Feedstock Recycling on PIM Nd-Fe-B Permanent Magnets. Materials Science Forum, 0, 802, 574-578.	0.3	3
48	AvaliaÃ§Ã£o do mÃ©todo de obtenÃ§Ã£o de scaffolds quitosana/curcumina sobre a estrutura, morfologia e propriedades tÃ©rmicas. Revista Materia, 2016, 21, 560-568.	0.1	3
49	AvaliaÃ§Ã£o biomecÃ¢nica e dimensional do fio de sutura Ã base de quitosana. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2017, 69, 896-900.	0.1	3
50	Effect of poultry litter biochar on Ultisol physical properties. African Journal of Agricultural Research Vol Pp, 2018, 13, 412-418.	0.2	3
51	Effect of chitosan and Dysphania ambrosioides on the bone regeneration process: A randomized controlled trial in an animal model. Microscopy Research and Technique, 2020, 83, 1208-1216.	1.2	3
52	Chitosan-Based Biomaterial, Calcium Hydroxide and Chlorhexidine for Potential Use as Intracanal Medication. Materials, 2021, 14, 488.	1.3	3
53	Thermal, structural and spectroscopic properties of silico-aluminous vitreous monoliths doped with neodymium and erbium via solâ€“gel process. Journal of Thermal Analysis and Calorimetry, 2018, 131, 725-733.	2.0	3
54	Morphological Characterization of Chitin Extraction. Journal of Chitin and Chitosan Science, 2013, 1, 157-160.	0.3	3

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55	Esferas de quitosana/D. ambrosioides (mastruz) para aplicaÃ§Ã£o como biomaterial. Revista Brasileira De Odontologia, 2016, 73, 124.	0.0	3
56	Comparison of Calcium CPP, HAp and TeCP Phosphates, Obtained by Direct Reaction. Key Engineering Materials, 2008, 396-398, 557-560.	0.4	2
57	Manufacturing of calcium phosphate scaffolds by pseudomorphic transformation of gypsum. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2016, 55, 105-113.	0.9	2
58	ModificaÃ§Ã£o da superfÃcie do poli (Ã©ter-Ã©ter-cetona). Revista Materia, 2017, 22, .	0.1	2
59	PEEK Physical Surface Modification: Evaluation Of Particles Leaching Process. Materials Research, 2019, 22, .	0.6	2
60	Sulfonated poly(ether ether ketone)/hydroxyapatite membranes as bone graft materials. Materials Research Innovations, 2019, 23, 270-275.	1.0	2
61	Chitosan and Aloe vera gel formulations as wound healing agents in episiotomy. Research, Society and Development, 2021, 10, e36310614895.	0.0	2
62	Biocompatible Sulphonated PEEK Spheres: Influence of Processing Conditions on Morphology and Swelling Behavior. Polymers, 2021, 13, 2920.	2.0	2
63	In vivo Hemostatic Activity of Jatropha mollissima: A Triple-Blinded, Randomized, Controlled Trial in an Animal Model. European Journal of Dentistry, 2021, 15, 741-745.	0.8	2
64	Desenvolvimento e caracterizaÃ§Ã£o de membranas de quitosana / Cissus Verticillata (L.) Nicolson & C.E. Jarvis. Revista Materia, 2019, 24, .	0.1	2
65	Chitosan Woven Meshes: Influence of Threads Configuration on Mechanical, Morphological, and Physiological Properties. Polymers, 2021, 13, 47.	2.0	2
66	CicatrizaÃ§Ã£o da musculatura reto-abdominal em coelhos submetidos Ã laparorrafia com fios de sutura Ã base de quitosana, categute cromado e poliglactina 910. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2020, 72, 1742-1750.	0.1	2
67	Hydroxyapatite/Biopolymers Composite Scaffolds for Bone Tissue Engineering. Key Engineering Materials, 2011, 493-494, 826-831.	0.4	1
68	Primary Implant Stability in Calcium Phosphate Cement: Clinical, Radiographic and Histological Analysis. Materials Science Forum, 0, 727-728, 1131-1135.	0.3	1
69	Synthesis and Characterization of Chitosan/Hydroxyapatite Biocomposites Obtained by Reaction of Precipitation. Materials Science Forum, 2012, 727-728, 614-618.	0.3	1
70	Sterilization of Chitosan Membranes for Use as Biomaterial. Materials Science Forum, 2014, 805, 35-40.	0.3	1
71	Morphological Evaluation of Chitosan/Curcumin Beads and Powder: Effect of the Methanol as a Solvent. Materials Science Forum, 2016, 869, 854-858.	0.3	1
72	Development and Characterization of Chitosan Membranes as a System for Controlled Release of Piperine. Materials Science Forum, 2016, 869, 864-868.	0.3	1

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73	Tubular chitosan device for use as prosthesis coating in vascular surgery. Research, Society and Development, 2021, 10, e25610414031.	0.0	1
74	Chitosan and hydroxyapatite scaffolds with amoxicillin for bone repair. Research, Society and Development, 2021, 10, e13410514790.	0.0	1
75	ObtenÃ§Ã£o, caracterizaÃ§Ã£o e uso de genipina como agente reticulante de hidrogeis de quitosana. Research, Society and Development, 2021, 10, e183101018711.	0.0	1
76	Bleaching process in chitin extraction and chitosan production. Frontiers in Bioengineering and Biotechnology, 0, 4, .	2.0	1
77	AplicaÃ§Ã£o de mÃ©todo estatÃstico no estudo da influÃªncia do perÃ³xido de hidrogÃªnio e do borohidreto de sÃ³dio na sÃntese de nanoparticulas de prata (AGNPS). Revista Materia, 2019, 24, .	0.1	1
78	InfluÃªncia da incorporaÃ§Ã£o da HAp e Î²-TCP no cimento Ã³sseo wollastonita/brushita. Revista Materia, 2019, 24, .	0.1	1
79	Estudo comparativo entre agentes reticulantes para possÃvel aplicaÃ§Ã£o no tratamento do ceratocone. Revista Materia, 2019, 24, .	0.1	1
80	Desenvolvimento e caracterizaÃ§Ã£o de esferas de quitosana/ Dysphania ambrosioides (L.) Mosyakin & Clemants. Revista Materia, 2020, 25, .	0.1	1
81	Brushite bone cement containing polyethylene glycol for bone regeneration. Bio-Medical Materials and Engineering, 2021, , 1-13.	0.4	1
82	Chitosan/vancomycin antibacterial hydrogel for application in knee prostheses. Research, Society and Development, 2022, 11, e25911326646.	0.0	1
83	HidrogÃ©is de PVA/quitosana funcionalizados com Ã³leo de melaleuca visando aplicaÃ§Ã£o como curativos. Revista Materia, 2022, 27, .	0.1	1
84	Characterization of the Snailâ€™s Carapace Collected at Coast of Brazilianâ€™s State of ParaÃba. Key Engineering Materials, 0, 396-398, 141-144.	0.4	0
85	Obtaining Tetracalcium Pohosphate and Hydroxyapatite in Powder Form by Wet Method. Materials Science Forum, 2010, 660-661, 954-958.	0.3	0
86	Analysis of Used Vegetable Oils Treated with ParaÃba/Brazil Clays by Kinematic Viscosity. Materials Science Forum, 0, 660-661, 1070-1074.	0.3	0
87	AvaliaÃ§Ã£o da bioatividade de ligas de NiTi tratadas a laser para aplicaÃ§Ã£o odontolÃ³gica. Revista Da Faculdade De Odontologia (Universidade De Passo Fundo), 2014, 19, .	0.2	0
88	Glass Ionomer Cement â€“ Development and Characterization Microstructural. Materials Science Forum, 2014, 805, 12-18.	0.3	0
89	Evaluation of the Terms of Use of Recycled Polymer Packaging Co-Extruded. Materials Science Forum, 0, 805, 41-46.	0.3	0
90	Synthesis and Characterization of Ionic Crosslinked Chitosan Scaffolds. Materials Science Forum, 2014, 805, 26-29.	0.3	0

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91	Nitinol Alloys - Study of Physical and Chemical Application as Biomaterials. Materials Science Forum, 0, 805, 3-6.	0.3	0
92	Treatment of Post-consumer Vegetable Oils for Biodiesel Production. , 2015, , .		0
93	Membranas de polihidroxibutirato com hidroxiapatita para utilizaÃ§Ã£o como biomaterial. Revista Materia, 2017, 22, .	0.1	0
94	Development of a 3D polyetheretherketone structure that mimics the cranial bone morphology for use in cranioplasty. Research, Society and Development, 2021, 10, e29810313336.	0.0	0
95	Monofilament chitosan base: an alternative to sutures absorbable. Frontiers in Bioengineering and Biotechnology, 0, 4, .	2.0	0
96	Analysis of efficiency in demineralization process production of chitosan. Frontiers in Bioengineering and Biotechnology, 0, 4, .	2.0	0
97	Deacetylation of chitosan optimization in production. Frontiers in Bioengineering and Biotechnology, 0, 4, .	2.0	0
98	INFLUÃŠNCIA DO METANOL NA OBTENÃ‡ÃƒO DE ESFERAS DE QUITOSANA POR GELIFICAÃ‡ÃƒO IONOTRÃ“PICA. Engevista, 2017, 19, 619.	0.1	0
99	AvaliaÃ§Ã£o de pontas diamantadas sob influÃªncia da esterilizaÃ§Ã£o em autoclave. Archives of Health Investigation, 2017, 6, .	0.0	0
100	SÃntesis y caracterizaciÃ³n de un novedoso biomaterial a base de quitosano modificado con aminoÃ¡cidos. Revista Materia, 2019, 24, .	0.1	0
101	InfluÃªncia da espessura nas propriedades mecÃ¢nicas, Ã¢ngulo de contato, absorÃ§Ã£o e perda em Ã¡gua de membranas derivadas do lÃ¡tex natural. Revista Materia, 2021, 26, .	0.1	0
102	Evaluation of Al2O3-SiO2-ZrO2-based ceramic compounds synthesized via sol-gel. Research, Society and Development, 2022, 11, e33211225616.	0.0	0
103	SÃntese e caracterizaÃ§Ã£o da O-Carboximetilquitosana como alternativa ao uso do Ã¢cido HialurÃ´nico. Research, Society and Development, 2022, 11, e5011527634.	0.0	0
104	Modelagem e otimizaÃ§Ã£o experimental na avaliaÃ§Ã£o das interaÃ§Ãµes quÃmicas de misturas quitosana/polivinilpirrolidona. Research, Society and Development, 2022, 11, e26111528063.	0.0	0
105	Efeito do tratamento tÃ©rmico na eletrodeposiÃ§Ã£o de antimÃ´nio para produÃ§Ã£o de eletrodos. , 2022, 22, 457-468.		0
106	InfluÃªncia do beneficiamento de pÃ³s cerÃ¢micos na sÃntese de cimento Ã³sseo de brushita/SrO/quitosana. Research, Society and Development, 2022, 11, e43711730021.	0.0	0