

Gean Vitor Salmoria

List of Publications by Year in descending order

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71
papers

1,483
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331538

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times ranked

1560
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#	ARTICLE	IF	CITATIONS
1	Microstructural and mechanical characterization of PA12/MWCNTs nanocomposite manufactured by selective laser sintering. <i>Polymer Testing</i> , 2011, 30, 611-615.	2.3	130
2	Mechanical properties of PA6/PA12 blend specimens prepared by selective laser sintering. <i>Polymer Testing</i> , 2012, 31, 411-416.	2.3	100
3	Structure and mechanical properties of cellulose based scaffolds fabricated by selective laser sintering. <i>Polymer Testing</i> , 2009, 28, 648-652.	2.3	97
4	Statistical evaluation of laser energy density effect on mechanical properties of polyamide parts manufactured by selective laser sintering. <i>Journal of Applied Polymer Science</i> , 2009, 113, 2910-2919.	1.3	91
5	Rapid manufacturing of polyethylene parts with controlled pore size gradients using selective laser sintering. <i>Materials Research</i> , 2007, 10, 211-214.	0.6	68
6	Rapid manufacturing of PA/HDPE blend specimens by selective laser sintering: Microstructural characterization. <i>Polymer Testing</i> , 2007, 26, 361-368.	2.3	63
7	Selective laser sintering of PA12/HDPE blends: Effect of components on elastic/plastic behavior. <i>Polymer Testing</i> , 2008, 27, 654-659.	2.3	53
8	Stereolithography somos 7110 resin: mechanical behavior and fractography of parts post-cured by different methods. <i>Polymer Testing</i> , 2005, 24, 157-162.	2.3	51
9	The effects of laser energy density and particle size in the selective laser sintering of polycaprolactone/progesterone specimens: morphology and drug release. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 66, 1113-1118.	1.5	47
10	The microstructural characterization of PA6/PA12 blend specimens fabricated by selective laser sintering. <i>Polymer Testing</i> , 2009, 28, 746-751.	2.3	46
11	Acylation and Related Reactions under Microwaves. 5. Development to Large Laboratory Scale with a Continuous-Flow Process1. <i>Industrial & Engineering Chemistry Research</i> , 2001, 40, 4485-4490.	1.8	39
12	Development of functionally-graded reservoir of PCL/PG by selective laser sintering for drug delivery devices. <i>Virtual and Physical Prototyping</i> , 2012, 7, 107-115.	5.3	37
13	Microstructural characterization and mechanical properties of functionally graded PA12/HDPE parts by selective laser sintering. <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 59, 583-591.	1.5	36
14	Functional graded scaffold of HDPE/HA prepared by selective laser sintering: microstructure and mechanical properties. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 65, 1529-1534.	1.5	35
15	Isomerization of Safrole and Eugenol Under Microwave Irradiation. <i>Synthetic Communications</i> , 1997, 27, 4335-4340.	1.1	30
16	PCL/Ibuprofen Implants Fabricated by Selective Laser Sintering for Orbital Repair. <i>Procedia CIRP</i> , 2016, 49, 188-192.	1.0	30
17	Characterization of PA12/PBT specimens prepared by selective laser sintering. <i>Optics and Laser Technology</i> , 2018, 98, 92-96.	2.2	30
18	Additive Manufacturing of PE/fluorouracil/progesterone intrauterine device for endometrial and ovarian cancer treatments. <i>Polymer Testing</i> , 2018, 71, 312-317.	2.3	30

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19	Process optimization for PA12/MWCNT nanocomposite manufacturing by selective laser sintering. International Journal of Advanced Manufacturing Technology, 2013, 66, 1977-1985.	1.5	27
20	Aromatic nucleophilic substitutions under microwave irradiation. Tetrahedron Letters, 1998, 39, 2471-2474.	0.7	23
21	Investigations on cure kinetics and thermal degradation of stereolithography Renshapeâ„ 5260 photosensitive resin. Polymer Testing, 2008, 27, 698-704.	2.3	23
22	Scaffolds of PDLLA/bioglass 58S produced via selective laser sintering. Materials Research, 2014, 17, 33-38.	0.6	23
23	Stereolithography Somos 7110 photosensitive resin: study of curing kinetic and thermal degradation. Journal of Materials Processing Technology, 2005, 168, 164-171.	3.1	21
24	SEBS/PPy.DBSA blends: Preparation and evaluation of electromechanical and dynamic mechanical properties. Journal of Applied Polymer Science, 2011, 120, 351-359.	1.3	21
25	Laser Printing of PCL/Progesterone Tablets for Drug Delivery Applications in Hormone Cancer Therapy. Lasers in Manufacturing and Materials Processing, 2017, 4, 108-120.	1.2	21
26	Structure and properties of polycaprolactone/ibuprofen rods prepared by melt extrusion for implantable drug delivery. Polymer Bulletin, 2017, 74, 4973-4987.	1.7	19
27	Study of tribological properties of moulds obtained by stereolithography. Virtual and Physical Prototyping, 2007, 2, 29-36.	5.3	18
28	Production and characterization of cornstarch/cellulose acetate/silver sulfadiazine extrudate matrices. Materials Science and Engineering C, 2014, 44, 225-233.	3.8	18
29	Effect of Injection Molding Melt Temperatures on PLGA Craniofacial Plate Properties during In Vitro Degradation. International Journal of Biomaterials, 2017, 2017, 1-11.	1.1	18
30	Efeito do tratamento alcalino de fibras de juta no comportamento mecânico de compósitos de matriz epóxi. Polimeros, 2012, 22, 339-344.	0.2	17
31	Influence of process parameters on microstructure and mechanical properties of starch-cellulose acetate/silver sulfadiazine matrices prepared by melt extrusion. Polymer Testing, 2013, 32, 1123-1127.	2.3	17
32	Properties of PLDLA/bioglass scaffolds produced by selective laser sintering. Polymer Bulletin, 2018, 75, 1299-1309.	1.7	17
33	Development of PCL/ibuprofen Tubes for Peripheral Nerve Regeneration. Procedia CIRP, 2016, 49, 193-198.	1.0	15
34	A study on morphological properties of laser sintered functionally graded blends of amorphous thermoplastics. International Journal of Materials and Product Technology, 2010, 39, 205.	0.1	14
35	Manufacturing of Porous Polycaprolactone Prepared with Different Particle Sizes and Infrared Laser Sintering Conditions: Microstructure and Mechanical Properties. Advances in Mechanical Engineering, 2014, 6, 640496.	0.8	14
36	PREPARATION OF AROMATIC ETHERS AND DIOXOLANES UNDER MICROWAVE IRRADIATION. Synthetic Communications, 2001, 31, 3323-3328.	1.1	12

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37	Structure and mechanical properties of 3D-printed cellulose tablets by fused deposition modeling. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 2767-2774.	1.5	12
38	NMR and semi-empirical study of the tautomerism of 1,2,2'-bisbenzimidazolyl. <i>Journal of Physical Organic Chemistry</i> , 1998, 11, 411-418.	0.9	11
39	Scanning Electron Microscopy and Energy-Dispersive X-Ray Spectroscopy as a Valuable Tool to Investigate the Ultra-High-Molecular-Weight Polyethylene Wear Mechanisms and Debris in Hip Implants. <i>Journal of Arthroplasty</i> , 2018, 33, 258-262.	1.5	10
40	Additive Manufactured Nanocomposites for Bone Tissue Engineering Applications: an Overview. <i>Materials Research</i> , 2020, 23, .	0.6	8
41	Graded Composites of Polyamide/Carbon Nanotubes Prepared by Laser Sintering. <i>Lasers in Manufacturing and Materials Processing</i> , 2017, 4, 36-44.	1.2	7
42	Chitosan/ β -TCP composites scaffolds coated with silk fibroin: a bone tissue engineering approach. <i>Biomedical Materials (Bristol)</i> , 2022, 17, 015003.	1.7	7
43	Torsion test method for mechanical characterization of PLDLA 70/30 ACL interference screws. <i>Polymer Testing</i> , 2014, 34, 34-41.	2.3	6
44	Hot extrusion of PE/fluorouracil implantable rods for targeted drug delivery in cancer treatment. <i>Polymer Bulletin</i> , 2019, 76, 1825-1838.	1.7	6
45	Thermomechanical and in vitro biological characterization of injection-molded PLGA craniofacial plates. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2019, 17, 228080001983159.	0.7	6
46	Influência do desempenho térmico de moldes fabricados com compósito epóxi/alumínio nas propriedades de pp moldado por injeção. <i>Polimeros</i> , 2008, 18, 262-269.	0.2	6
47	Manufacturing of PCL/SAg tubes by melt-extrusion for nerve regeneration: Structure and mechanical properties. <i>Polymer Testing</i> , 2016, 55, 160-165.	2.3	5
48	Influence of Processing Conditions on the Mechanical Behavior and Morphology of Injection Molded Poly(lactic-co-glycolic acid) 85:15. <i>International Journal of Biomaterials</i> , 2017, 2017, 1-8.	1.1	5
49	Properties of injection-molded poly (l-co-d,l-lactic acid) using different melt temperatures and stress concentrator in the specimen geometry. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 98, 2231-2237.	1.5	5
50	Investigation on the structure, cross-link, and oxidation index of ultra high molecular weight polyethylene acetabular liners. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 101, 235-241.	1.5	4
51	Tratamento da Superfície de Cateteres de Poliamida 11 por Plasma de Oxigênio. <i>Polimeros</i> , 2013, 23, 565-569.	0.2	4
52	Ibuprofen-loaded PCL meshes manufactured using rapid tooling for ocular orbital repair. <i>Polymer Testing</i> , 2017, 62, 33-40.	2.3	3
53	Preparation of ibuprofen-loaded HDPE tubular devices for application as urinary catheters. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45661.	1.3	3
54	Glucosamine Hydrochloride and N-Acetylglucosamine Influence the Response of Bovine Chondrocytes to TGF- β 3 and IGF in Monolayer and Three-Dimensional Tissue Culture. <i>Tissue Engineering and Regenerative Medicine</i> , 2018, 15, 781-791.	1.6	3

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55	Evaluation of invitro degradation of commercially available breast implants. Polymer Testing, 2019, 79, 106033.	2.3	3
56	Rapid manufacturing and rapid tooling of polymer miniaturized parts using Stereolithography. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2008, 30, 7-10.	0.8	2
57	Simple extension of Lemaitre's elastoplastic damage model to account for hydrolytic degradation. Latin American Journal of Solids and Structures, 2014, 11, 884-906.	0.6	2
58	A study on the response of PLGA 85/15 under compression and heat-treatment testing cycles. Mechanics of Time-Dependent Materials, 2020, 25, 411.	2.3	2
59	Selective Laser Sintering of Polyamide/Hydroxyapatite Scaffolds. Minerals, Metals and Materials Series, 2017, , 95-103.	0.3	2
60	Tratamento de superfície de tubos de poliamida 11 com chama para deposição de revestimento hidrofóbico biomédico. Polimeros, 2010, 20, 205-209.	0.2	1
61	Hybrid Moulds with Epoxy-based Composites " Effects of Materials and Processing on Shrinkage and Warpage. International Polymer Processing, 2011, 26, 256-264.	0.3	1
62	A study on fiber sedimentation velocity in epoxy/steel fiber composites used for hybrid injection molds. Journal of Composite Materials, 2014, 48, 3347-3353.	1.2	1
63	Graft tendon slippage with metallic and bioabsorbable interference screws under cyclic load: a biomechanical study in a porcine model. Research on Biomedical Engineering, 2015, 31, 56-61.	1.5	1
64	Selective Laser Sintering of Biomaterials and Composites State of the Art and Perspectives. Materials Science Forum, 0, 1012, 278-283.	0.3	1
65	Mechanical characterization of hydrolysis effects on the stiffness of bioabsorbable polymeric filaments: An experimental and modeling approach based on a simple constitutive damage model. Polymers and Polymer Composites, 0, , 096739112199882.	1.0	1
66	Influence of Breast Implant Surface Finishing on Physicochemical and Mechanical Properties before and after Extreme Degradation Studies. International Journal of Biomaterials, 2021, 2021, 1-9.	1.1	1
67	Moldagem por injeção da PA 6.6 em moldes de estereolitografia metalizados com Ni-P pelo processo electroless. Polimeros, 2007, 17, 88-92.	0.2	1
68	Influência do pH nas propriedades físico-químicas, térmicas e mecânicas de filmes de poli(vinil) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.3	1
69	Physicochemical characterization, drug release and mechanical analysis of ibuprofen-loaded uhmwpe for orthopedic applications. Polimeros, 2020, 30, ,	0.2	1
70	Manufacturing Techniques: Polymer Implants as Drug Delivery Systems for Cancer Therapy. Materials Science Forum, 0, 1012, 494-499.	0.3	0
71	Polymeric implants with drug-releasing capabilities: a mapping review of laboratory research. Drug Development and Industrial Pharmacy, 2022, , 1-11.	0.9	0