Antonio Sergio Pouzada

List of Publications by Year
in descending order

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67	819	516215 16	552369 26
papers	citations	h-index	g-index

68	68	68	692
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanical design with plastics. , 2021, , 201-248.		0
2	Basic data required for designing plastic parts. , 2021, , 141-199.		0
3	Processing and product performance. , 2021, , 511-586.		0
4	Alternative materials in moulding elements of hybrid moulds: structural integrity and tribological aspects. International Journal of Advanced Manufacturing Technology, 2021, 113, 351-363.	1.5	5
5	Selection of thermoplastics. , 2021, , 87-140.		1
6	Comparative Structural and Mechanical Studies on Polyamide 6 Knittedâ€Reinforced Single Polymer Composites Prepared by Different Reactive Processing Techniques. Polymer Composites, 2019, 40, E886.	2.3	9
7	Characterization of polymer behaviour in microchannels. , 2014, , .		1
8	A study on microinjection moulding using moulding blocks by additive micromanufacturing. International Journal of Advanced Manufacturing Technology, 2013, 69, 2293-2299.	1.5	7
9	Structureâ€“properties relationship in single polymer composites based on polyamide 6 prepared by in-mold anionic polymerization. Journal of Materials Science, 2013, 48, 7260-7273.	1.7	31
10	Polymer flow dynamics in microimpressions: An experimental approach. Polymer Testing, 2013, 32, 567-574.	2.3	3
11	Toughness distribution in complex PP/nanoclay injected mouldings. Composites Science and Technology, 2013, 74, 28-36.	3.8	17
12	Morphologyâ^'performance relationship of polypropyleneâ^'nanoclay composites processed by shear controlled injection moulding. Polymer International, 2013, 62, 1589-1599.	1.6	11
13	Uniâ€•and biaxial impact behavior of doubleâ€gated nanoclayâ€reinforced polypropylene injection moldings. Polymer Engineering and Science, 2013, 53, 724-733.	1.5	7
14	Polypropylene/Clay Nanocomposites Produced by Shear Controlled Orientation in Injection Moulding: Deformation and Fracture Properties. Strojniski Vestnik/Journal of Mechanical Engineering, 2013, 59, 697-704.	0.6	5
15	The Influence of Processing on the Aesthetic, Morphological and Mechanical Properties of Structural Foam Mouldings of High- Impact Polystyrene. Strojniski Vestnik/Journal of Mechanical Engineering, 2013, 59, 637-645.	0.6	3
16	Characterization of Polypropylene Structural Foams for Large Part Applications. Materials Science Forum, 2012, 730-732, 981-987.	0.3	1
17	Influence of Graphite and Carbon Nanotubes on the Mechanical and Electrical Properties of Cast Epoxy Composites. Materials Science Forum, 2012, 730-732, 909-914.	0.3	1
18	Analysis of friction in the ejection of thermoplastic mouldings. International Journal of Advanced Manufacturing Technology, 2012, 59, 977-986.	1.5	17

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19	Microstructural characterization and mechanical properties of functionally graded PA12/HDPE parts by selective laser sintering. International Journal of Advanced Manufacturing Technology, 2012, 59, 583-591.	1.5	36
20	Hybrid Moulds with Epoxy-based Composites â€“ Effects of Materials and Processing on Shrinkage and Warpage. International Polymer Processing, 2011, 26, 256-264.	0.3	1
21	Effect of LBM and large-area EBM finishing on micro-injection moulding surfaces. International Journal of Advanced Manufacturing Technology, 2011, 52, 171-182.	1.5	22
22	Mechanical properties of polyamide 6 reinforced microfibrilar composites. Polymer Composites, 2011, 32, 407-417.	2.3	13
23	Is there any chance for polypropylene/clay nanocomposites in injection molding?. EXPRESS Polymer Letters, 2011, 5, 661-661.	1.1	8
24	Epoxy/steel fiber compositesâ€"A simple model to predict the fiber sedimentation. Polymer Composites, 2010, 31, 1378-1386.	2.3	5
25	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
26	Experimental assessment of hybrid mould performance. International Journal of Advanced Manufacturing Technology, 2010, 50, 441-448.	1.5	16
27	Preparation, structural development, and mechanical properties of microfibrillar composite materials based on polyethylene/polyamide 6 oriented blends. Journal of Applied Polymer Science, 2010, 115, 2918-2932.	1.3	27
28	Hybrid moulds: A case of integration of alternative materials and rapid prototyping for tooling. Virtual and Physical Prototyping, 2009, 4, 195-202.	5.3	25
29	Influence of hybridization of glass fiber and talc on the mechanical performance of polypropylene composites. Journal of Applied Polymer Science, 2009, 114, 3592-3601.	1.3	15
30	Impact properties and microhardness of doubleâ€gated glassâ€reinforced polypropylene injection moldings. Polymer Engineering and Science, 2009, 49, 1688-1695.	1.5	11
31	Thermo-rheological behaviour of polymer melts in microinjection moulding. Journal of Micromechanics and Microengineering, 2009, 19, 105012.	1.5	19
32	Hybrid moulds: effect of the moulding blocks on the morphology and dimensional properties. Rapid Prototyping Journal, 2009, 15, 71-82.	1.6	33
33	Friction Properties of Steel Fibre Reinforced Epoxy Composites Used in Moulding Blocks of Hybrid Moulds. Materials Science Forum, 2008, 587-588, 217-221.	0.3	7
34	INFLUÃŠNCIA DE MATERIAIS ALTERNATIVOS NAS PROPRIEDADES DE PEÃ‡AS TUBULARES NO CONTEXTO DE MOLDES PROTÃ“TIPOS DE INJEÃ‡ÃƒO. Tecnologia Em Metalurgia E Materiais, 2008, 4, 37-42.	0.1	1
35	Study of tribological properties of moulds obtained by stereolithography. Virtual and Physical Prototyping, 2007, 2, 29-36.	5.3	18
36	Assessment of weld line performance of PP/Talc moldings produced in hot runner injection molds. Journal of Vinyl and Additive Technology, 2007, 13, 159-165.	1.8	7

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37	Friction properties of moulding thermoplastics. Polymer Testing, 2006, 25, 1017-1023.	2.3	52
38	Î±- to Î² Transformation on PVDF Films Obtained by Uniaxial Stretch. Materials Science Forum, 2006, 514-516, 872-876.	0.3	96
39	Performance and Friction Properties of Injection Hybrid Moulds with Stereolithography Moulding Zones. Materials Science Forum, 2006, 514-516, 1673-1677.	0.3	8
40	Predicting Shrinkage in Semi-Crystalline Injection Mouldings â€“ The Influence of Pressure. Materials Science Forum, 2006, 514-516, 1501-1505.	0.3	5
41	Ejection force of tubular injection moldings. Part II: A prediction model. Polymer Engineering and Science, 2005, 45, 325-332.	1.5	23
42	The Effect of Holding Pressure on the Shrinkage and Birefringence of Injection Moulded Polypropylene Plates. Materials Science Forum, 2004, 455-456, 814-817.	0.3	10
43	Effect of Melt Viscosity on the Ejection Force in Injection Moulds. Materials Science Forum, 2004, 455-456, 755-758.	0.3	1
44	Comparative Study, by Optical Techniques of the Interface Polymer/Steel in Replication Conditions. Materials Science Forum, 2004, 455-456, 467-471.	0.3	5
45	Ejection force in tubular injection moldings. Part I: Effect of processing conditions. Polymer Engineering and Science, 2004, 44, 891-897.	1.5	27
46	Optical properties of injection-molded polystyrene scintillators. II. Distribution of dopants. Journal of Applied Polymer Science, 2003, 88, 2714-2718.	1.3	2
47	Optical properties of injection-molded polystyrene scintillators. I. Processing and optical properties. Journal of Applied Polymer Science, 2003, 88, 2706-2713.	1.3	1
48	The role of the interaction coefficient in the prediction of the fiber orientation in planar injection moldings. Polymer Composites, 2003, 24, 358-366.	2.3	9
49	Dynamic Behaviour of Rubber Compounds for Engine Mounts. Key Engineering Materials, 2002, 230-232, 303-306.	0.4	7
50	Glass Fibre Content of PP Plates and their Properties: Part II: Tensile Mechanical Properties. Key Engineering Materials, 2002, 230-232, 52-55.	0.4	4
51	Glass Fibre Contents of PP Plates and their Properties: Part I: Shrinkage and Changes in Time. Key Engineering Materials, 2002, 230-232, 48-51.	0.4	1
52	Influence of an Integral Blend of Silane Coupling Agents on the Wet Mechanical Properties of Epoxy Particulate-Filled Composites for Outdoor Electrical Insulation. Key Engineering Materials, 2002, 230-232, 235-238.	0.4	2
53	The use of a three-point support flexural test to predict the stiffness of anisotropic composite plates in bending. Polymer Testing, 2002, 21, 27-33.	2.3	37
54	Isothermal and non-isothermal consolidation of carbon fiber towpregs. Polymer Composites, 2001, 22, 71-79.	2.3	2

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55	Experimental Validation of Morphology Simulation in Glass Fibre Reinforced Polycarbonate Discs. Journal of Reinforced Plastics and Composites, 2001, 20, 452-465.	1.6	8
56	Solidification Criterion on Shrinkage Predictions for Semi-crystalline Injection Moulded Samples. International Polymer Processing, 2000, 15, 284-290.	0.3	14
57	Modeling of the consolidation of polycarbonate/carbon fiber towpregs. Polymer Composites, 1999, 20, 260-268.	2.3	4
58	On the effect of the fiber orientation on the flexural stiffness of injection molded short fiber reinforced polycarbonate plates. Polymer Composites, 1998, 19, 640-651.	2.3	40
59	The use of birefringence for predicting the stiffness of injection molded polycarbonate discs. Polymer Engineering and Science, 1998, 38, 1770-1777.	1.5	16
60	Formation and Characterization of Carbon/Polycarbonate Towpregs and Composites. Journal of Composite Materials, 1997, 31, 1758-1777.	1.2	15
61	Predicting the Skin-Core Boundary Location in Injection Moldings. International Polymer Processing, 1991, 6, 370-377.	0.3	16
62	The use of subcomponents for the prediction of the mechanical behaviour of polypropylene injection moulded products. Makromolekulare Chemie Macromolecular Symposia, 1988, 20-21, 475-487.	0.6	3
63	Mechanical Properties of Epoxy Composites Filled with Short Steel Fibres for Hybrid Injection Moulds. Materials Science Forum, 0, 587-588, 222-226.	0.3	10
64	Characterization of Epoxy/Steel Fibres Composites for Hybrid Injection Moulds. Materials Science Forum, 0, 730-732, 277-282.	0.3	1
65	Assessment of Injection Moulded Parts of PP/Nanoclay Produced with Hybrid Moulds. Materials Science Forum, 0, 730-732, 963-968.	0.3	0
66	Influence of Mesh Discretization on the Prediction of Polymer Flow Behaviour in Microcavities. Materials Science Forum, 0, 730-732, 525-530.	0.3	0
67	Experimental Validation of Morphology Simulation in Glass Fibre Reinforced Polycarbonate Discs. , 0, .		2