E Murat Sozer

List of Publications by Year
in descending order

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29 papers	1,025 citations	516710 16 h-index	477307 29 g-index
30 all docs	30 docs citations	30 times ranked	578 citing authors

#	Article	IF	Citations
1	Variation of part thickness and compaction pressure in vacuum infusion process. Composites Science and Technology, 2009, 69, 1710-1719.	7.8	109
2	An approach to couple mold design and on-line control to manufacture complex composite parts by resin transfer molding. Composites Part A: Applied Science and Manufacturing, 2002, 33, 981-990.	7.6	76
3	In-plane permeability characterization of engineering textiles based on radial flow experiments: A benchmark exercise. Composites Part A: Applied Science and Manufacturing, 2019, 121, 100-114.	7.6	75
4	Constraints on monitoring resin flow in the resin transfer molding (RTM) process by using thermocouple sensors. Composites Part A: Applied Science and Manufacturing, 2007, 38, 1363-1386.	7.6	74
5	Monitoring of resin flow in the resin transfer molding (RTM) process using point-voltage sensors. Composites Science and Technology, 2007, 67, 367-379.	7.8	72
6	A grid of dielectric sensors to monitor mold filling and resin cure in resin transfer molding. Composites Part A: Applied Science and Manufacturing, 2009, 40, 476-489.	7.6	70
7	Fabric structure and mold curvature effects on preform permeability and mold filling in the RTM process. Part I. Experiments. Composites Part A: Applied Science and Manufacturing, 2000, 31, 423-438.	7.6	61
8	On-line strategic control of liquid composite mould filling process. Composites Part A: Applied Science and Manufacturing, 2000, 31, 1383-1394.	7.6	57
9	Fabric structure and mold curvature effects on preform permeability and mold filling in the RTM process. Part II. Predictions and comparisons with experiments. Composites Part A: Applied Science and Manufacturing, 2000, 31, 439-458.	7.6	50
10	Fabrication of high quality composite laminates by pressurized and heated-VARTM. Composites Part A: Applied Science and Manufacturing, 2017, 102, 336-346.	7.6	45
11	Compaction of e-glass fabric preforms in the Vacuum Infusion Process, A: Characterization experiments. Composites Part A: Applied Science and Manufacturing, 2009, 40, 499-510.	7.6	38
12	Permeability of textile fabrics with spherical inclusions. Composites Part A: Applied Science and Manufacturing, 2017, 99, 1-14.	7.6	37
13	In-plane permeability distribution mapping of isotropic mats using flow front detection. Composites Part A: Applied Science and Manufacturing, 2018, 113, 275-286.	7.6	20
14	Compaction of e-glass fabric preforms in the vacuum infusion process: (a) use of characterization database in a model and (b) experiments. Journal of Composite Materials, 2013, 47, 1959-1975.	2.4	19
15	Pressurized Infusion: A New and Improved Liquid Composite Molding Process. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2019, 141, .	2.2	19
16	Effect of permeability characterization at different boundary and flow conditions on vacuum infusion process modeling. Journal of Reinforced Plastics and Composites, 2017, 36, 491-504.	3.1	18
17	Effect of external pressure and resin flushing on reduction of process-induced voids and enhancement of laminate quality in heated-VARTM. Composites Part A: Applied Science and Manufacturing, 2019, 121, 353-364.	7.6	18
18	Using mid-semester course evaluation as a feedback tool for improving learning and teaching in higher education. Assessment and Evaluation in Higher Education, 2019, 44, 1003-1016.	5.6	18

#	Article	IF	Citations
19	Effect of part thickness variation on the mold filling time in vacuum infusion process. Journal of Reinforced Plastics and Composites, 2014, 33, 2136-2150.	3.1	16
20	Modeling of post-filling stage in vacuum infusion using compaction characterization. Journal of Composite Materials, 2015, 49, 1947-1960.	2.4	16
21	Pressure-controlled compaction characterization of fiber preforms suitable for viscoelastic modeling in the vacuum infusion process. Journal of Composite Materials, 2017, 51, 1209-1224.	2.4	13
22	Fluid Impregnation of Deformed Preforms. Journal of Reinforced Plastics and Composites, 2000, 19, 552-568.	3.1	12
23	Dynamic pressure control in VARTM: Rapid fabrication of laminates with high fiber volume fraction and improved dimensional uniformity. Polymer Composites, 2019, 40, 2482-2494.	4.6	11
24	Comparison of in-plane resin transfer molding and vacuum-assisted resin transfer molding â€˜effectiveâ€™ permeabilities based on mold filling experiments and simulations. Journal of Reinforced Plastics and Composites, 2020, 39, 31-44.	3.1	10
25	Viscoelastic modeling of fiber preform compaction in vacuum infusion process. Journal of Composite Materials, 2017, 51, 4189-4203.	2.4	9
26	Minimizing Thickness Variation in the Vacuum Infusion (VI) Process. Advanced Composites Letters, 2011, 20, 096369351102000.	1.3	7
27	Monitoring and modeling of part thickness evolution in vacuum infusion process. Journal of Composite Materials, 2021, 55, 1053-1072.	2.4	6
28	A novel mold design for one-continuous permeability measurement of fiber preforms. Journal of Reinforced Plastics and Composites, 2015, 34, 915-930.	3.1	5
29	Examining graduate teaching assistantsâ€™ conceptions of and readiness for effective teaching in a non-profit Turkish university. Innovations in Education and Teaching International, 2019, 56, 373-384.	2.5	2