# E Murat Sozer

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1114043/publications.pdf

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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 | Monitoring and modeling of part thickness evolution in vacuum infusion process. Journal of Composite Materials, 2021, 55, 1053-1072. | 2.4 | 6 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | Permeability of textile fabrics with spherical inclusions. Composites Part A: Applied Science and Manufacturing, 2017, 99, 1-14. | 7.6 | 37 |
| 13 | Viscoelastic modeling of fiber preform compaction in vacuum infusion process. Journal of Composite Materials, 2017, 51, 4189-4203. | 2.4 | 9 |
| 14 | 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 |
| 15 | 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 |
| 16 | Modeling of post-filling stage in vacuum infusion using compaction characterization. Journal of Composite Materials, 2015, 49, 1947-1960. | 2.4 | 16 |
| 17 | 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 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Minimizing Thickness Variation in the Vacuum Infusion (VI) Process. Advanced Composites Letters, 2011, 20, 096369351102000. | 1.3 | 7 |
| 20 | Variation of part thickness and compaction pressure in vacuum infusion process. Composites Science and Technology, 2009, 69, 1710-1719. | 7.8 | 109 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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 |
| 24 | 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 |
| 25 | 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 |
| 26 | On-line strategic control of liquid composite mould filling process. Composites Part A: Applied Science and Manufacturing, 2000, 31, 1383-1394. | 7.6 | 57 |
| 27 | 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 |
| 28 | 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 |
| 29 | Fluid Impregnation of Deformed Preforms. Journal of Reinforced Plastics and Composites, 2000, 19, 552-568. | 3.1 | 12 |