

Tamer Sinmazcelik

List of Publications by Year in descending order

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66
papers

2,142
citations

361413

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67
docs citations

67
times ranked

1951
citing authors

#	ARTICLE	IF	CITATIONS
1	A review: Fibre metal laminates, background, bonding types and applied test methods. <i>Materials & Design</i> , 2011, 32, 3671-3685.	5.1	731
2	Laser welding of Ti6Al4V titanium alloys. <i>Journal of Materials Processing Technology</i> , 2009, 209, 3705-3713.	6.3	323
3	Effects of double passes of the tool on friction stir welding of polyethylene. <i>Journal of Materials Science</i> , 2005, 40, 3313-3316.	3.7	101
4	Characterization of the drilling alumina ceramic using Nd:YAG pulsed laser. <i>Journal of Materials Processing Technology</i> , 2009, 209, 2008-2014.	6.3	90
5	Erosive wear behaviour of carbon fibre/polyetherimide composites under low particle speed. <i>Materials & Design</i> , 2007, 28, 351-355.	5.1	64
6	Effects of hydrothermal aging on glass fiber/polyetherimide (PEI) composites. <i>Journal of Materials Science</i> , 2010, 45, 399-404.	3.7	44
7	Erosive wear behaviour of polyphenylenesulphide (PPS) composites. <i>Materials & Design</i> , 2007, 28, 2471-2477.	5.1	42
8	Residual mechanical properties of carbon/polyphenylenesulphide composites after solid particle erosion. <i>Materials & Design</i> , 2008, 29, 1419-1426.	5.1	37
9	Natural weathering effects on the mechanical and surface properties of polyphenylene sulphide (PPS) composites. <i>Materials & Design</i> , 2006, 27, 270-277.	5.1	31
10	Internal damage investigation of the impacted glass/glass+aramid fiber reinforced composites by micro-computerized tomography. <i>NDT and E International</i> , 2012, 51, 1-7.	3.7	30
11	Effect of Fiber Orientation on Scratch Resistance in Unidirectional Carbon-Fiber-Reinforced Polymer Matrix Composites. <i>Journal of Reinforced Plastics and Composites</i> , 2010, 29, 1476-1490.	3.1	28
12	Effect of heat treatment on erosive wear behaviour of Ti6Al4V alloy. <i>Materials Science and Technology</i> , 2013, 29, 1088-1094.	1.6	28
13	Effects of cutting temperature and process optimization in drilling of GFRP composites. <i>Journal of Composite Materials</i> , 2021, 55, 235-249.	2.4	28
14	Laser parameters optimization of surface treating of Al 6082-T6 with Taguchi method. <i>Optics and Laser Technology</i> , 2019, 120, 105714.	4.6	27
15	Impact fatigue behaviour of unidirectional carbon fibre reinforced polyetherimide (PEI) composites. <i>Journal of Materials Science</i> , 2006, 41, 6237-6244.	3.7	26
16	On the life time prediction of repeatedly impacted thermoplastic matrix composites. <i>Materials & Design</i> , 2009, 30, 145-153.	5.1	26
17	Erodent size effect on the erosion of polyphenylene sulfide composite. <i>Polymer Composites</i> , 2010, 31, 985-994.	4.6	26
18	The effect of natural weathering on the mechanical, morphological and thermal properties of high impact polystyrene (HIPS). <i>Materials & Design</i> , 2007, 28, 2303-2309.	5.1	25

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19	Fracture morphology and deformation characteristics of repeatedly impacted thermoplastic matrix composites. <i>Materials & Design</i> , 2009, 30, 628-634.	5.1	25
20	Instrumented indentation and scratch testing evaluation of tribological properties of tin-based bearing materials. <i>Materials & Design</i> , 2010, 31, 2707-2715.	5.1	22
21	The influence of annealing on the crystallization and tribological behavior of MWNT/PEEK nanocomposites. <i>Polymer Composites</i> , 2011, 32, 1766-1771.	4.6	22
22	Solid Particle Erosive Wear Behavior of Glass Mat Reinforced PPS Composites: Influence of Eroding Particle Size, Pressure, Particle Impingement Angle, and Velocity. <i>Advances in Polymer Technology</i> , 2013, 32, .	1.7	22
23	Influence of Annealing on the Performance of Short Glass Fiber-reinforced Polyphenylene Sulfide (PPS) Composites. <i>Journal of Composite Materials</i> , 2005, 39, 21-33.	2.4	20
24	Surface, Subsurface and Tribological Properties of Ti6Al4V Alloy Shot Peened under Different Parameters. <i>Materials</i> , 2020, 13, 4363.	2.9	19
25	Possible use of volcanic ash as a filler in polyphenylene sulfide composites: Thermal, mechanical, and erosive wear properties. <i>Polymer Composites</i> , 2014, 35, 1826-1833.	4.6	18
26	Mathematical modelling of laser ablation of random oriented short glass fiber reinforced Polyphenylene sulphide (PPS) polymer composite. <i>Optics and Laser Technology</i> , 2019, 115, 481-486.	4.6	17
27	Evaluation of Cyanoacrylate Augmentation of Transpedicular Screw Pullout Strength. <i>Journal of Spinal Disorders and Techniques</i> , 2005, 18, 511-514.	1.9	16
28	Erosive Wear Studies of Glass fiber- and Carbon Fiber-reinforced Polyetheretherketone Composites at Low Particle Speed. <i>Journal of Thermoplastic Composite Materials</i> , 2011, 24, 333-350.	4.2	16
29	Comparison of the mechanical, thermomechanical, thermal, and morphological properties of pumice and calcium carbonate-filled poly(phenylene sulfide) composites. <i>Polymer Composites</i> , 2016, 37, 3160-3166.	4.6	16
30	Effects of 3D printed surface texture on erosive wear. <i>Tribology International</i> , 2020, 144, 106110.	5.9	16
31	The effect of TiO ₂ filler content on the mechanical, thermal, and tribological properties of TiO ₂ /PPS composites. <i>Polymer Composites</i> , 2013, 34, 1591-1599.	4.6	13
32	Thermal cycles effects on interlaminar shear strength (ILSS) and impact behaviour of carbon/PEI composites. <i>Journal of Materials Science</i> , 2006, 41, 1233-1241.	3.7	12
33	Geometric parameters and chemical corrosion effects on bearing strength of polyphenylenesulphide (PPS) composites. <i>Materials & Design</i> , 2007, 28, 1695-1698.	5.1	12
34	Fracture characteristics of high impact polystyrene under impact fatigue loadings. <i>Journal of Materials Science</i> , 2009, 44, 4308-4314.	3.7	11
35	Modification of polyolefins with silicone copolymers. II. Thermal, mechanical, and tribological behavior of PP and HDPE blended with silicone copolymers. <i>Journal of Applied Polymer Science</i> , 2002, 84, 535-540.	2.6	10
36	Effects of Geometric Parameters on the Pin-bearing Strength of Glass/Polyphenylenesulphide Composites. <i>Journal of Composite Materials</i> , 2009, 43, 2239-2253.	2.4	10

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37	Effect of fiber orientation on viscoelastic properties of polymer matrix composites subjected to thermal cycles. <i>Polymer Composites</i> , 2010, 31, 411-416.	4.6	10
38	A Study on the Derivation of Parametric Cutting Force Equations in Drilling of GFRP Composites. <i>Strojinski Vestnik/Journal of Mechanical Engineering</i> , 2013, 59, 97-105.	1.1	10
39	The Effects of Thermal Cycles on the Impact Fatigue Properties of Thermoplastic Matrix Composites. <i>Applied Composite Materials</i> , 2008, 15, 99-113.	2.5	9
40	The influence of different circular hole perforations on interlaminar shear strength of a novel fiber metal laminates. <i>Polymer Composites</i> , 2016, 37, 963-973.	4.6	9
41	Effect of mussel shell reinforcement on mechanical and tribological behavior of polyphenylene sulfide composites. <i>Journal of Thermoplastic Composite Materials</i> , 2022, 35, 1279-1302.	4.2	9
42	Heat treatment effect on solid particle erosion properties of polyphenylene sulfide composites reinforced with silane coupled volcanic ash particles. <i>Polymer Composites</i> , 2018, 39, 1638-1646.	4.6	8
43	Investigation of erosive wear behaviors of AA6082-T6 aluminum alloy. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2020, 234, 520-530.	1.1	7
44	Mathematical modeling of heat distribution on carbon fiber Poly(ether-ether-ketone) (PEEK) composite during laser ablation. <i>Optics and Laser Technology</i> , 2020, 127, 106190.	4.6	7
45	Dry Sliding Wear Behaviour of Shot Peened Ti6Al4V Alloys at Different Peening Times. <i>Acta Physica Polonica A</i> , 2018, 134, 349-353.	0.5	7
46	Detecting Impact Damages in an Aramid/Glass Fiber Reinforced Hybrid Composite with Micro Tomography. <i>Advanced Materials Research</i> , 2012, 445, 9-14.	0.3	6
47	Effect of mixed size particles reinforcing on the thermal and dynamic mechanical properties of Al_2O_3/PPS composites. <i>Polymer Composites</i> , 2016, 37, 3219-3227.	4.6	6
48	Heat treatment effect on thermal and thermomechanical properties of polyphenylene sulfide composites reinforced with silane-treated volcanic ash particles. <i>Polymer Composites</i> , 2018, 39, 1612-1619.	4.6	6
49	The Effects of Grit Size and Blasting Pressure on the Surface Properties of Grit Blasted Ti6Al4V Alloy. <i>Materials Today: Proceedings</i> , 2020, 32, 27-36.	1.8	5
50	Thermal, viscoelastic and mechanical properties' optimization of polyphenylene sulfide via optimal processing parameters using the Taguchi method. <i>Journal of Applied Statistics</i> , 2016, 43, 2661-2680.	1.3	4
51	Investigation of mechanical and tribological behaviour of expanded perlite particle reinforced polyphenylene sulphide. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 2356-2367.	1.1	4
52	Laser process parameter optimization of dimple created on oriented carbon fiber reinforced epoxy composites. <i>Journal of Composite Materials</i> , 2021, 55, 4029-4043.	2.4	4
53	Effect of Silane as Coupling Agent on Dynamic Mechanical Properties of Volcanic Ash Filled PPS Composites. <i>Acta Physica Polonica A</i> , 2016, 129, 492-494.	0.5	4
54	Silane Coupling Efficiency on Thermal Properties of Volcanic Ash Filled PPS Composites. <i>Acta Physica Polonica A</i> , 2016, 129, 498-500.	0.5	4

#	ARTICLE	IF	CITATIONS
55	Title is missing!. Journal of Materials Science Letters, 2002, 21, 1809-1811.	0.5	3
56	Influence of laser parameters in surface texturing of polyphenylene sulfide composites. Journal of Applied Polymer Science, 2019, 136, 47976.	2.6	3
57	Surface Modification Effect of Volcanic Ash Particles Using Silane Coupling Agent on Mechanical Properties of Polyphenylene Sulfide Composites. Acta Physica Polonica A, 2016, 129, 495-497.	0.5	3
58	Improvement of the Toughness and Crack Propagation Resistance Properties of Poly(Phenylene) Tj ETQq0 0 0 rgBT/Overlock ₃ 10 Tf 50 6	0.5	3
59	BIOMECHANICAL COMPARISON OF MEDIAL VERSUS LATERAL SIDED PLATING IN FEMORAL FRACTURES. Acta Ortopedica Brasileira, 2018, 26, 265-270.	0.5	2
60	Bearing strength of pin-connected polymer composites subjected to dynamic loading. Polymer Composites, 2009, 31, NA-NA.	4.6	1
61	TAILORING SURFACE MORPHOLOGY AND TOPOGRAPHY OF SHOT-PEENED Ti6Al4V VIA GRIT BLASTING. Materiali in Tehnologije, 2021, 55, .	0.5	1
62	Effects of Terpolymer Addition on the Thermal and Termomechanical Properties of Poly(Phenylene) Tj ETQq0 0 0 rgBT/Overlock ₃ 10 Tf 50 6	0.5	1
63	Investigation of particle erosion of polytetrafluoroethylene and its composites. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 0, , 146442072210819.	1.1	1
64	Scratch and multi-pass scratch behavior of poly (methyl methacrylate) (PMMA). International Journal of Polymer Analysis and Characterization, 2022, 27, 359-377.	1.9	1
65	Surface Properties of Titanium Alloys Grit Blasted at Various Particle Impingement Angles. Materials Today: Proceedings, 2020, 32, 18-26.	1.8	0
66	Olivine Particle Reinforced Polyphenylene Sulfide Matrix Composites. Acta Physica Polonica A, 2017, 131, 481-484.	0.5	0