

Selim GÃ¼rgeç

List of Publications by Year in descending order

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55
papers

2,038
citations

257450

24
h-index

265206

42
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56
all docs

56
docs citations

56
times ranked

779
citing authors

#	ARTICLE	IF	CITATIONS
1	Shear thickening fluids in protective applications: A review. <i>Progress in Polymer Science</i> , 2017, 75, 48-72.	24.7	272
2	The stab resistance of fabrics impregnated with shear thickening fluids including various particle size of additives. <i>Composites Part A: Applied Science and Manufacturing</i> , 2017, 94, 50-60.	7.6	167
3	The ballistic performance of aramid based fabrics impregnated with multi-phase shear thickening fluids. <i>Polymer Testing</i> , 2017, 64, 296-306.	4.8	144
4	The rheology of shear thickening fluids with various ceramic particle additives. <i>Materials and Design</i> , 2016, 104, 312-319.	7.0	126
5	The effect of carbide particle additives on rheology of shear thickening fluids. <i>Korea Australia Rheology Journal</i> , 2016, 28, 121-128.	1.7	82
6	The effect of silicon carbide additives on the stab resistance of shear thickening fluid treated fabrics. <i>Mechanics of Advanced Materials and Structures</i> , 2017, 24, 1381-1390.	2.6	70
7	Polishing operation of a steel bar in a shear thickening fluid medium. <i>Composites Part B: Engineering</i> , 2019, 175, 107127.	12.0	69
8	Vibration attenuation of sandwich structures filled with shear thickening fluids. <i>Composites Part B: Engineering</i> , 2020, 186, 107831.	12.0	63
9	Numerical modeling of fabrics treated with multi-phase shear thickening fluids under high velocity impacts. <i>Thin-Walled Structures</i> , 2020, 148, 106573.	5.3	62
10	Experimental investigation on vibration characteristics of shear thickening fluid filled CFRP tubes. <i>Composite Structures</i> , 2019, 226, 111236.	5.8	61
11	Experimental investigation of machining characteristics and chatter stability for Hastelloy-X with ultrasonic and hot turning. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 83-97.	3.0	56
12	An investigation on composite laminates including shear thickening fluid under stab condition. <i>Journal of Composite Materials</i> , 2019, 53, 1111-1122.	2.4	55
13	Stab resistance of smart polymer coated textiles reinforced with particle additives. <i>Composite Structures</i> , 2020, 235, 111812.	5.8	55
14	Anti-impact design of multi-layer composites enhanced by shear thickening fluid. <i>Composite Structures</i> , 2022, 279, 114797.	5.8	53
15	Integration of shear thickening fluid into cutting tools for improved turning operations. <i>Journal of Manufacturing Processes</i> , 2020, 56, 1146-1154.	5.9	50
16	Rheological compatibility of multi-phase shear thickening fluid with a phenomenological model. <i>Smart Materials and Structures</i> , 2019, 28, 035027.	3.5	49
17	Smart polymer integrated cork composites for enhanced vibration damping properties. <i>Composite Structures</i> , 2021, 258, 113200.	5.8	49
18	Tribological behavior of UHMWPE matrix composites reinforced with PTFE particles and aramid fibers. <i>Composites Part B: Engineering</i> , 2019, 173, 106949.	12.0	48

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19	Development of Eco-friendly Shock-absorbing Cork Composites Enhanced by a Non-Newtonian Fluid. Applied Composite Materials, 2021, 28, 165-179.	2.5	46
20	Finite Element Modeling of Ultrasonic Assisted Turning of Ti6Al4V Alloy. Procedia, Social and Behavioral Sciences, 2015, 195, 2839-2848.	0.5	41
21	Tuning the Rheology of Nano-Sized Silica Suspensions with Silicon Nitride Particles. Journal of Nano Research, 0, 56, 63-70.	0.8	40
22	Wear performance of UHMWPE based composites including nano-sized fumed silica. Composites Part B: Engineering, 2019, 173, 106967.	12.0	37
23	Numerical investigation of hot ultrasonic assisted turning of aviation alloys. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	36
24	High Performance Fabrics in Body Protective Systems. Materials Science Forum, 0, 880, 132-135.	0.3	28
25	Multi-criteria decision-making analysis of different non-traditional machining operations of Ti6Al4V. Soft Computing, 2019, 23, 5259-5272.	3.6	27
26	Rheological and deformation behavior of natural smart suspensions exhibiting shear thickening properties. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	26
27	Machining of Hastelloy-X Based on Finite Element Modelling. Advanced Engineering Forum, 0, 30, 1-7.	0.3	19
28	Springback Behavior of AA6082T6 Tubes in Three-point Bending Operation. Procedia Engineering, 2017, 182, 658-664.	1.2	18
29	Rheological modeling of multi-phase shear thickening fluid using an intelligent methodology. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	17
30	The Influence of Boundary Condition on the Impact Behavior of High Performance Fabrics. Advanced Engineering Forum, 0, 28, 47-54.	0.3	16
31	An investigation on wear behavior of UHMWPE/carbide composites at elevated temperatures. Journal of Applied Polymer Science, 2021, 138, 50245.	2.6	16
32	Effect of heat treatment on the bending behavior of aluminum alloy tubes. Journal of Mechanical Science and Technology, 2017, 31, 5273-5278.	1.5	15
33	Tuning the Frictional Properties of Carbon Fabrics Using Boron Carbide Particles. Fibers and Polymers, 2019, 20, 725-731.	2.1	13
34	A parametric investigation of roller hemming operation on a curved edge part. Archives of Civil and Mechanical Engineering, 2019, 19, 11-19.	3.8	11
35	Wear behavior of UHMWPE composites under oxidative effect. Polymer Degradation and Stability, 2022, 199, 109912.	5.8	11
36	Low-velocity impact performance of UHMWPE composites consolidated with carbide particles. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	9

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37	Numerical Simulation of Roller Hemming Operation on Convex Edge-Convex Surface Parts. <i>Advanced Engineering Forum</i> , 0, 15, 75-84.	0.3	8
38	Oxidation and thermal shock behavior of thermal barrier coated 18/10CrNi alloy with coating modifications. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 149-155.	1.5	8
39	An efficient approach by adjusting bounds for heuristic optimization algorithms. <i>Soft Computing</i> , 2019, 23, 5199-5212.	3.6	7
40	Impact Behavior of Preloaded Aluminum Plates at Oblique Conditions. <i>Arabian Journal for Science and Engineering</i> , 2019, 44, 1649-1656.	3.0	7
41	Advancements in conventional machining. , 2021, , 143-175.		7
42	Fatigue failure in aircraft structural components. , 2016, , 261-277.		6
43	Fatigue and corrosion behavior of in-service AA7075 aircraft component after thermo-mechanical and retrogression and re-aging treatments. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2019, 233, 1764-1772.	1.1	6
44	The Influence of UV Radiation Aging on Degradation of Shear Thickening Fluids. <i>Materials</i> , 2022, 15, 3269.	2.9	6
45	Numerical modeling of roller hemming operation on a straight edge part. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019, 41, 1.	1.6	5
46	An Investigation on Surface Roughness and Tool Wear in Turning Operation of Inconel 718. <i>Journal of Aerospace Technology and Management</i> , 2019, , .	0.3	5
47	Surface topography of nickel-based superalloy manufactured with direct metal laser sintering (DMLS) method. <i>Surface Topography: Metrology and Properties</i> , 2019, 7, 015012.	1.6	3
48	Micro-machining of UHMWPE composites reinforced with carbide fillers. <i>Archives of Civil and Mechanical Engineering</i> , 2021, 21, 1.	3.8	3
49	A Numerical Investigation on Oblique Projectile Impact Behavior of AA5083-H116 Plates. <i>Journal of Polytechnic</i> , 0, , .	0.7	3
50	Analysis of roller hemming process for a vehicle tailgate closure. , 2013, , .		2
51	An Electromechanical & In Situ Viscosity Measurement Technique for Shear Thickening Fluids. <i>Advanced Engineering Forum</i> , 0, 43, 33-43.	0.3	2
52	Finite element analysis of different material models for polyurethane elastomer using estimation data sets. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	1.6	1
53	Optimization of micromachining operation for particle reinforced UHMWPE composites. <i>Archives of Civil and Mechanical Engineering</i> , 2022, 22, .	3.8	1
54	A State-of-the-Art Review on Hemming: A Materials Processing Technology for Mechanical Joints. <i>Applied Mechanics Reviews</i> , 2022, 74, .	10.1	1

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55	Ultrasonic Inspection for Microstructural and Mechanical Properties of Ductile Cast Iron. Advanced Engineering Forum, 0, 39, 9-19.	0.3	0