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List of Publications by Year
in descending order

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55 papers	2,038 citations	257450 24 h-index	265206 42 g-index
56 all docs	56 docs citations	56 times ranked	779 citing authors

#	Article	IF	Citations
1	Anti-impact design of multi-layer composites enhanced by shear thickening fluid. Composite Structures, 2022, 279, 114797.	5.8	53
2	Wear behavior of UHMWPE composites under oxidative effect. Polymer Degradation and Stability, 2022, 199, 109912.	5.8	11
3	The Influence of UV Radiation Aging on Degradation of Shear Thickening Fluids. Materials, 2022, 15, 3269.	2.9	6
4	Optimization of micromachining operation for particle reinforced UHMWPE composites. Archives of Civil and Mechanical Engineering, 2022, 22, .	3.8	1
5	A State-of-the-Art Review on Hemming: A Materials Processing Technology for Mechanical Joints. Applied Mechanics Reviews, 2022, 74, .	10.1	1
6	An investigation on wear behavior of <scp>UHMWPE</scp>/carbide composites at elevated temperatures. Journal of Applied Polymer Science, 2021, 138, 50245.	2.6	16
7	Smart polymer integrated cork composites for enhanced vibration damping properties. Composite Structures, 2021, 258, 113200.	5.8	49
8	Development of Eco-friendly Shock-absorbing Cork Composites Enhanced by a Non-Newtonian Fluid. Applied Composite Materials, 2021, 28, 165-179.	2.5	46
9	Advancements in conventional machining. , 2021, , 143-175.		7
10	Micro-machining of UHMWPE composites reinforced with carbide fillers. Archives of Civil and Mechanical Engineering, 2021, 21, 1.	3.8	3
11	Finite element analysis of different material models for polyurethane elastomer using estimation data sets. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	1
12	Stab resistance of smart polymer coated textiles reinforced with particle additives. Composite Structures, 2020, 235, 111812.	5.8	55
13	Numerical modeling of fabrics treated with multi-phase shear thickening fluids under high velocity impacts. Thin-Walled Structures, 2020, 148, 106573.	5.3	62
14	Rheological and deformation behavior of natural smart suspensions exhibiting shear thickening properties. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	26
15	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
16	Low-velocity impact performance of UHMWPE composites consolidated with carbide particles. Archives of Civil and Mechanical Engineering, 2020, 20, 1.	3.8	9
17	Integration of shear thickening fluid into cutting tools for improved turning operations. Journal of Manufacturing Processes, 2020, 56, 1146-1154.	5.9	50
18	Vibration attenuation of sandwich structures filled with shear thickening fluids. Composites Part B: Engineering, 2020, 186, 107831.	12.0	63

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19	An efficient approach by adjusting bounds for heuristic optimization algorithms. Soft Computing, 2019, 23, 5199-5212.	3.6	7
20	Fatigue and corrosion behavior of in-service AA7075 aircraft component after thermo-mechanical and retrogression and re-aging treatments. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 1764-1772.	1.1	6
21	Experimental investigation on vibration characteristics of shear thickening fluid filled CFRP tubes. Composite Structures, 2019, 226, 111236.	5.8	61
22	Polishing operation of a steel bar in a shear thickening fluid medium. Composites Part B: Engineering, 2019, 175, 107127.	12.0	69
23	Numerical modeling of roller hemming operation on a straight edge part. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	5
24	An Investigation on Surface Roughness and Tool Wear in Turning Operation of Inconel 718. Journal of Aerospace Technology and Management, 2019, , .	0.3	5
25	Rheological compatibility of multi-phase shear thickening fluid with a phenomenological model. Smart Materials and Structures, 2019, 28, 035027.	3.5	49
26	Surface topography of nickel-based superalloy manufactured with direct metal laser sintering (DMLS) method. Surface Topography: Metrology and Properties, 2019, 7, 015012.	1.6	3
27	Tribological behavior of UHMWPE matrix composites reinforced with PTFE particles and aramid fibers. Composites Part B: Engineering, 2019, 173, 106949.	12.0	48
28	Wear performance of UHMWPE based composites including nano-sized fumed silica. Composites Part B: Engineering, 2019, 173, 106967.	12.0	37
29	Tuning the Frictional Properties of Carbon Fabrics Using Boron Carbide Particles. Fibers and Polymers, 2019, 20, 725-731.	2.1	13
30	Multi-criteria decision-making analysis of different non-traditional machining operations of Ti6Al4V. Soft Computing, 2019, 23, 5259-5272.	3.6	27
31	An investigation on composite laminates including shear thickening fluid under stab condition. Journal of Composite Materials, 2019, 53, 1111-1122.	2.4	55
32	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
33	Impact Behavior of Preloaded Aluminum Plates at Oblique Conditions. Arabian Journal for Science and Engineering, 2019, 44, 1649-1656.	3.0	7
34	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
35	Experimental investigation of machining characteristics and chatter stability for Hastelloy-X with ultrasonic and hot turning. International Journal of Advanced Manufacturing Technology, 2018, 95, 83-97.	3.0	56
36	Oxidation and thermal shock behavior of thermal barrier coated 18/10CrNi alloy with coating modifications. Journal of Mechanical Science and Technology, 2017, 31, 149-155.	1.5	8

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37	Springback Behavior of AA6082T6 Tubes in Three-point Bending Operation. Procedia Engineering, 2017, 182, 658-664.	1.2	18
38	The stab resistance of fabrics impregnated with shear thickening fluids including various particle size of additives. Composites Part A: Applied Science and Manufacturing, 2017, 94, 50-60.	7.6	167
39	Shear thickening fluids in protective applications: A review. Progress in Polymer Science, 2017, 75, 48-72.	24.7	272
40	The ballistic performance of aramid based fabrics impregnated with multi-phase shear thickening fluids. Polymer Testing, 2017, 64, 296-306.	4.8	144
41	The effect of silicon carbide additives on the stab resistance of shear thickening fluid treated fabrics. Mechanics of Advanced Materials and Structures, 2017, 24, 1381-1390.	2.6	70
42	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
43	The effect of carbide particle additives on rheology of shear thickening fluids. Korea Australia Rheology Journal, 2016, 28, 121-128.	1.7	82
44	The rheology of shear thickening fluids with various ceramic particle additives. Materials and Design, 2016, 104, 312-319.	7.0	126
45	Fatigue failure in aircraft structural components. , 2016, , 261-277.		6
46	Finite Element Modeling of Ultrasonic Assisted Turning of Ti6Al4V Alloy. Procedia, Social and Behavioral Sciences, 2015, 195, 2839-2848.	0.5	41
47	Analysis of roller hemming process for a vehicle tailgate closure. , 2013, , .		2
48	High Performance Fabrics in Body Protective Systems. Materials Science Forum, 0, 880, 132-135.	0.3	28
49	Numerical Simulation of Roller Hemming Operation on Convex Edge-Convex Surface Parts. Advanced Engineering Forum, 0, 15, 75-84.	0.3	8
50	Machining of Hastelloy-X Based on Finite Element Modelling. Advanced Engineering Forum, 0, 30, 1-7.	0.3	19
51	The Influence of Boundary Condition on the Impact Behavior of High Performance Fabrics. Advanced Engineering Forum, 0, 28, 47-54.	0.3	16
52	Tuning the Rheology of Nano-Sized Silica Suspensions with Silicon Nitride Particles. Journal of Nano Research, 0, 56, 63-70.	0.8	40
53	Ultrasonic Inspection for Microstructural and Mechanical Properties of Ductile Cast Iron. Advanced Engineering Forum, 0, 39, 9-19.	0.3	0
54	A Numerical Investigation on Oblique Projectile Impact Behavior of AA5083-H116 Plates. Journal of Polytechnic, 0, , .	0.7	3

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55	An Electromechanical <i>In Situ</i> Viscosity Measurement Technique for Shear Thickening Fluids. Advanced Engineering Forum, 0, 43, 33-43.	0.3	2