

Ming Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

107
papers

1,855
citations

24
h-index

37
g-index

111
ext. papers

2,359
ext. citations

3.5
avg, IF

5.64
L-index

#	Paper	IF	Citations
107	Investigation of material removal mechanisms and ductile-brittle transition zone of zirconia ceramics sintered at various temperatures. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2022 , 125, 104944	4.1	1
106	Biochar nanoparticles with different pyrolysis temperatures mediate cadmium transport in water-saturated soils: Effects of ionic strength and humic acid. <i>Science of the Total Environment</i> , 2022 , 806, 150668	10.2	3
105	Evaluation of Polycrystalline Diamond Tools in Milling of Pre-Sintered and Fully-Sintered Zirconia Ceramics. <i>Journal of Superhard Materials</i> , 2022 , 44, 62-69	0.9	1
104	Machining responses of high-strength carbon/epoxy composites using diamond-coated brad spur drills. <i>Materials and Manufacturing Processes</i> , 2021 , 36, 722-729	4.1	6
103	Modelling of the temperature distribution based on equivalent heat transfer theory and anisotropic characteristics of honeycomb core during milling of aluminum honeycomb core. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 115, 2097-2110	3.2	1
102	An experimental and finite element investigation of chip separation criteria in metal cutting process. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 116, 3877-3889	3.2	1
101	Cooling/Lubrication Performance of Dry and Supercritical CO ₂ -Based Minimum Quantity Lubrication in Peripheral Milling Ti-6Al-4V. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021 , 8, 405-421	3.8	13
100	Analysis of low-frequency vibration-assisted bone drilling in reducing thermal injury. <i>Materials and Manufacturing Processes</i> , 2021 , 36, 27-38	4.1	2
99	Experimental study on the cutting responses and surface integrity of side milled in situ TiB ₂ /Al composites. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 113, 321-335	3.2	1
98	Comprehensive study on the cutting specific energy and surface roughness of milled in situ TiB ₂ /Al composites and Al alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2021 , 112, 2717-2729	3.2	2
97	Study on Performance of PVD AlTiN Coatings and AlTiN-Based Composite Coatings in Dry End Milling of Hardened Steel SKD11. <i>Metals</i> , 2021 , 11, 2019	2.3	2
96	Research on Spent LiFePO ₄ Electric Vehicle Battery Disposal and Its Life Cycle Inventory Collection in China. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	2
95	Experimental and finite element analysis of the formation mechanism of serrated chips of nickel-based superalloy Inconel 718. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 107, 4969-4982	3.2	4
94	On the quantitative analysis of drill edge wear when machining CFRP/Ti6Al4V stacks. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 108, 1463-1472	3.2	5
93	On the machining behavior of carbon fiber reinforced polyimide and PEEK thermoplastic composites. <i>Polymer Composites</i> , 2020 , 41, 3649-3663	3	26
92	A modeling and prediction method for plunge cutting force considering the small displacement of cutting layer. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2020 , 234, 1369-1378	2.4	4
91	Experimental study on chip formation and surface quality in milling of TiB ₂ /Al alloy composites. <i>Materials and Manufacturing Processes</i> , 2020 , 35, 1671-1679	4.1	6

90	Hole quality and tool wear when dry drilling of a new developed metal/composite co-cured material. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2020 , 234, 980-992	2.4	10
89	Effect of material microstructure on tool wear behavior during machining additively manufactured Ti6Al4V. <i>Archives of Civil and Mechanical Engineering</i> , 2020 , 20, 1	3.4	10
88	Experimental investigation on mechanical drilling of a newly developed CFRP/Al co-cured material. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 106, 993-1004	3.2	10
87	Investigation on machined surface quality in ultrasonic-assisted grinding of Cf/SiC composites based on fracture mechanism of carbon fibers. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 109, 1583-1599	3.2	7
86	Experimental investigation on drilling machinability and hole quality of CFRP/Ti6Al4V stacks under different cooling conditions. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 109, 1527-1539	3.2	12
85	Drilling characteristics of carbon/epoxy and carbon/polyimide composites. <i>Materials and Manufacturing Processes</i> , 2020 , 35, 1732-1740	4.1	22
84	Development of a Two-Stage Pyrolysis Process for the End-Of-Life Nickel Cobalt Manganese Lithium Battery Recycling from Electric Vehicles. <i>Sustainability</i> , 2020 , 12, 9164	3.6	11
83	Py-FTIR-GC/MS Analysis of Volatile Products of Automobile Shredder Residue Pyrolysis. <i>Polymers</i> , 2020 , 12,	4.5	7
82	A hybrid approach for cutting force prediction in flank milling based on analytical and 3D finite element method. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 110, 1601-1613	3.2	0
81	Influence of Interactions among Polymeric Components of Automobile Shredder Residue on the Pyrolysis Temperature and Characterization of Pyrolytic Products. <i>Polymers</i> , 2020 , 12,	4.5	4
80	Experimental investigation on the machinability of CFRP/Invar36 hybrid co-cured material in turning operations. <i>International Journal of Advanced Manufacturing Technology</i> , 2020 , 107, 3715-3726	3.2	5
79	Investigation of minimum quantity lubrication effects in drilling CFRP/Ti6Al4V stacks. <i>Materials and Manufacturing Processes</i> , 2019 , 34, 1401-1410	4.1	24
78	Physicochemical property and colloidal stability of micron- and nano-particle biochar derived from a variety of feedstock sources. <i>Science of the Total Environment</i> , 2019 , 661, 685-695	10.2	66
77	Experimental and Numerical Studies on Defect Characteristics During Milling of Aluminum Honeycomb Core. <i>Journal of Manufacturing Science and Engineering, Transactions of the ASME</i> , 2019 , 141,	3.3	12
76	A comparison between vibration assisted and conventional drilling of CFRP/Ti6Al4V stacks. <i>Materials and Manufacturing Processes</i> , 2019 , 34, 1182-1193	4.1	30
75	Facilitated transport of cadmium by biochar-FeO nanocomposites in water-saturated natural soils. <i>Science of the Total Environment</i> , 2019 , 684, 265-275	10.2	39
74	An investigation of drilling high-strength CFRP composites using specialized drills. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 103, 3425-3442	3.2	48
73	Experimental investigation on machinability of DMLS Ti6Al4V under dry drilling process. <i>Materials and Manufacturing Processes</i> , 2019 , 34, 749-758	4.1	24

72	Enhancing the machining performance by cutting tool surface modifications: a focused review. <i>Machining Science and Technology</i> , 2019 , 23, 477-509	2	25
71	Recycling policy and statistical model of end-of-life vehicles in China. <i>Waste Management and Research</i> , 2019 , 37, 347-356	4	8
70	Experimental study on mechanical drilling of carbon/epoxy composite-Ti6Al4V stacks. <i>Materials and Manufacturing Processes</i> , 2019 , 34, 715-725	4.1	37
69	A new method for deburring of servo valve core edge based on ultraprecision cutting with the designed monocrystalline diamond tool. <i>Science China Technological Sciences</i> , 2019 , 62, 1805-1815	3.5	6
68	Orthogonal cutting mechanisms of CFRP/Ti6Al4V stacks. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 103, 3831-3851	3.2	15
67	Tool wear monitoring in milling of titanium alloy Ti6Al4V under MQL conditions based on a new tool wear categorization method. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 104, 4117-4128	3.2	15
66	A novel method for tool condition monitoring based on long short-term memory and hidden Markov model hybrid framework in high-speed milling Ti-6Al-4V. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 105, 3165-3182	3.2	23
65	Designing and verifying a disassembly line approach to cope with the upsurge of end-of-life vehicles in China. <i>Waste Management</i> , 2018 , 76, 697-707	8.6	19
64	Contrasting effects of biochar nanoparticles on the retention and transport of phosphorus in acidic and alkaline soils. <i>Environmental Pollution</i> , 2018 , 239, 562-570	9.3	54
63	Thermal characteristics of unidirectional carbon fiber reinforced polymer laminates during orthogonal cutting. <i>Journal of Reinforced Plastics and Composites</i> , 2018 , 37, 905-916	2.9	22
62	TUNGSTEN OXIDES FORMATION ON THE INTERFACE OF THE CEMENTED CARBIDE AND THE INCONEL 182 OVERLAYS AT ELEVATED TEMPERATURE UP TO 800°C. <i>Surface Review and Letters</i> , 2018 , 25, 1850110	1.1	
61	Investigation on temperature distribution in form grinding of 9Mn2V thread gauge. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018 , 232, 1342-1350	2.4	2
60	Tool path strategy and cutting process monitoring in intelligent machining. <i>Frontiers of Mechanical Engineering</i> , 2018 , 13, 232-242	3.3	8
59	After-Sale Data Based Common Rail Injector Remanufacturability Analysis. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2018 , 23, 337-344	0.6	1
58	Prioritising alternatives for sustainable end-of-life vehicle disassembly in China using AHP methodology. <i>Technology Analysis and Strategic Management</i> , 2018 , 30, 556-568	3.2	19
57	Synergistic effects of phosphorus and humic acid on the transport of anatase titanium dioxide nanoparticles in water-saturated porous media. <i>Environmental Pollution</i> , 2018 , 243, 1368-1375	9.3	17
56	An experimental investigation on cutting-induced damage when drilling high-strength T800S/250F carbon fiber reinforced polymer. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2017 , 231, 1931-1940	2.4	13
55	Finite element analysis of burr formation and an automatic online micro-deburring method in precise end-face grinding process. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2017 , 231, 2495-2503	2.4	5

54	Analysis of chip serration phenomenon in side milling of ultrahigh-strength steel 30CrMnSiNi2A. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 88, 985-993	3.2	5
53	Triboelectrostatic separation for PP and ABS plastics in end of life passenger vehicles. <i>Journal of Material Cycles and Waste Management</i> , 2017 , 19, 884-897	3.4	6
52	Machinability characteristics evolution of CFRP in a continuum of fiber orientation angles. <i>Materials and Manufacturing Processes</i> , 2017 , 32, 1041-1050	4.1	18
51	Dynamic mechanical behavior of ultra-high strength steel 30CrMnSiNi2A at high strain rates and elevated temperatures. <i>Journal of Iron and Steel Research International</i> , 2017 , 24, 724-729	1.2	12
50	Transport and retention of biochar nanoparticles in a paddy soil under environmentally-relevant solution chemistry conditions. <i>Environmental Pollution</i> , 2017 , 230, 540-549	9.3	90
49	Effect of functionalization of multiwalled carbon nanotubes with aminated poly(ether sulfone) on thermal and mechanical properties of poly(ether ether ketone) nanocomposites. <i>High Performance Polymers</i> , 2017 , 29, 857-868	1.6	7
48	Analysis of Minimum Quantity Lubrication (MQL) for Different Coating Tools during Turning of TC11 Titanium Alloy. <i>Materials</i> , 2016 , 9,	3.5	23
47	Effect of drilling parameters and tool geometry on drilling performance in drilling carbon fiber reinforced plastic/titanium alloy stacks. <i>Advances in Mechanical Engineering</i> , 2016 , 8, 168781401667028	1.3	30
46	Assessing the economics of processing end-of-life vehicles through manual dismantling. <i>Waste Management</i> , 2016 , 56, 384-95	8.6	34
45	Characterization of Automobile Plastics by Principal Component Analysis and Near-Infrared Spectroscopy. <i>Analytical Letters</i> , 2015 , 48, 301-307	2.2	8
44	Investigation of friction in end-milling of Ti-6Al-4V under different green cutting conditions. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 78, 1181-1192	3.2	24
43	Experimental Investigation on Cutting Characteristics in Nanometric Plunge-Cutting of BK7 and Fused Silica Glasses. <i>Materials</i> , 2015 , 8, 1428-1441	3.5	11
42	Effects of tool parameters on cutting force in orthogonal machining of T700/LT03A unidirectional carbon fiber reinforced polymer laminates. <i>Journal of Reinforced Plastics and Composites</i> , 2015 , 34, 591-602	2.9	20
41	Drilling temperature and hole quality in drilling of CFRP/aluminum stacks using diamond coated drill. <i>International Journal of Precision Engineering and Manufacturing</i> , 2015 , 16, 1689-1697	1.7	77
40	Research on ASR in China and its energy recycling with pyrolysis method. <i>Journal of Material Cycles and Waste Management</i> , 2015 , 17, 107-117	3.4	16
39	Theoretical Analysis and Experimental Study on the Coating Removal from Passenger-Vehicle Plastics for Recycling by Using Water Jet Technology. <i>Jom</i> , 2015 , 67, 2714-2726	2.1	5
38	Influence of Fiber Orientation on Single-Point Cutting Fracture Behavior of Carbon-Fiber/Epoxy Prepreg Sheets. <i>Materials</i> , 2015 , 8, 6738-6751	3.5	4
37	Experimental investigation on the effects of different heat treatment processes on grinding machinability and surface integrity of 9Mn2V. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 81, 1165-1174	3.2	3

36	Automotive plastic parts design, recycling, research, and development in China. <i>Journal of Thermoplastic Composite Materials</i> , 2015 , 28, 142-157	1.9	11
35	Sustainable design for automotive products: dismantling and recycling of end-of-life vehicles. <i>Waste Management</i> , 2014 , 34, 458-67	8.6	73
34	Studies on pyrolysis and gasification of automobile shredder residue in China. <i>Waste Management and Research</i> , 2014 , 32, 980-7	4	14
33	EXPERIMENTAL INVESTIGATION ON SURFACE INTEGRITY OF END MILLING NICKEL-BASED ALLOY INCONEL 718. <i>Machining Science and Technology</i> , 2014 , 18, 31-46	2	34
32	Current recycling regulations and technologies for the typical plastic components of end-of-life passenger vehicles: a meaningful lesson for China. <i>Journal of Material Cycles and Waste Management</i> , 2014 , 16, 187-200	3.4	20
31	Tool wear performance in face milling Inconel 182 using minimum quantity lubrication with different nozzle positions. <i>International Journal of Precision Engineering and Manufacturing</i> , 2014 , 15, 557-565	1.7	32
30	Experimental and theoretical analysis of metal magnetic memory signals in the stress concentration area of 45# steel under tensile testing. <i>International Journal of Applied Electromagnetics and Mechanics</i> , 2014 , 46, 271-280	0.4	7
29	A Coupling Response Surfaces Methodology of Multiple Constraints (CRSMMC) for parameters optimization of broach tool in broaching of heat-resistant steel X12CrMoWVNB N-10-1-1. <i>International Journal of Advanced Manufacturing Technology</i> , 2014 , 74, 1719-1732	3.2	6
28	An investigation on wear mechanism of high-speed turning of free-cutting steel AISI 1215 using uncoated and multi-layer coated tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 67, 517-533	3.2	12
27	A coupling method of response surfaces (CRSM) for cutting parameters optimization in machining titanium alloy under minimum quantity lubrication (MQL) condition. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013 , 14, 693-702	1.7	34
26	Research on fixture hole drilling quality of printed circuit board. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013 , 14, 525-534	1.7	8
25	End-of-Life Vehicle Dismantling and Recycling Enterprises: Developing Directions in China. <i>Jom</i> , 2013 , 65, 1015-1020	2.1	10
24	Dry milling of the ultra-high-strength steel 30CrMnSiNi2A with coated carbide inserts. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2013 , 18, 468-473	0.6	3
23	WEAR MECHANISMS AND PERFORMANCE OF COATED INSERTS DURING FACE MILLING OF TC11 AND TC17 ALLOYS. <i>Machining Science and Technology</i> , 2013 , 17, 483-495	2	5
22	Drilling machinability evaluation on new developed high-strength T800S/250F CFRP laminates. <i>International Journal of Precision Engineering and Manufacturing</i> , 2013 , 14, 1687-1696	1.7	91
21	Evaluation of the performance of coated carbide tools in face milling TC6 alloy under dry condition. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 64, 623-631	3.2	21
20	Policies and perspective on end-of-life vehicles in China. <i>Journal of Cleaner Production</i> , 2013 , 44, 168-176	10.3	81
19	Remanufacturing process for used automotive electronic control components in China. <i>Journal of Remanufacturing</i> , 2013 , 3, 1	2.6	16

18	Study on finish-turning of NiCr20TiAl nickel-based alloy using Al ₂ O ₃ /TiN-coated carbide tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 53, 81-92	3.2	15
17	Experimental investigation on conventional grinding of Ti-6Al-4V using SiC abrasive. <i>International Journal of Advanced Manufacturing Technology</i> , 2011 , 57, 135-142	3.2	51
16	Experimental and FEM study of coated and uncoated tools used for dry milling of compacted graphite cast iron. <i>Transactions of Tianjin University</i> , 2011 , 17, 235-241	2.9	13
15	Recycling of electronic control units from end-of-life vehicles in China. <i>Jom</i> , 2011 , 63, 42-47	2.1	20
14	Design of a real-time adaptive NURBS interpolator with axis acceleration limit. <i>International Journal of Advanced Manufacturing Technology</i> , 2010 , 48, 227-241	3.2	32
13	End-of-Life vehicle recovery in china: Consideration and innovation following the EU ELV directive. <i>Jom</i> , 2009 , 61, 45-52	2.1	33
12	Feedrate scheduling strategy for free-form surface machining through an integrated geometric and mechanistic model. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 40, 1191-1201	3.2	38
11	THE SURFACE INTEGRITY IN MACHINING HARDENED STEEL SKD11 FOR DIE AND MOLD. <i>Machining Science and Technology</i> , 2007 , 11, 99-116	2	2
10	OPTIMIZATION STUDIES ON HOLE-MAKING TOOLS FOR HIGH-PERFORMANCE CUTTING AUSTENITIC STAINLESS STEEL. <i>Machining Science and Technology</i> , 2007 , 11, 183-200	2	5
9	The 2005 International Workshop on Sustainable Manufacturing. <i>Jom</i> , 2006 , 58, 39-40	2.1	
8	Life cycle of remanufactured engines. <i>Central South University</i> , 2005 , 12, 81-85		14
7	Residual fatigue strength of 48MnV crankshaft based on safety factor. <i>Central South University</i> , 2005 , 12, 145-147		
6	Investigation on end-of-life electric and electronic equipment recycling and disposal system in China: legislation, education and dissemination. <i>Central South University</i> , 2005 , 12, 148-152		1
5	End-of-life vehicle recycling based on disassembly. <i>Central South University</i> , 2005 , 12, 153-156		6
4	End-of-life vehicle recycling in China: Now and the future. <i>Jom</i> , 2005 , 57, 20-26	2.1	41
3	An experimental investigation on milling features of fully-sintered zirconia ceramics using PCD tools. <i>Materials and Manufacturing Processes</i> , 1-9	4.1	1
2	Machinability and Surface Quality During Milling CFRP Laminates Under Dry and Supercritical CO ₂ -Based Cryogenic Conditions. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 1	3.8	2
1	Quantitative evaluation method of tool wear based on morphological characteristics of machined surfaces. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 095440542210929	2.4	

