

Jun Wang

List of Publications by Year in descending order

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367
papers

8,670
citations

61687

45
h-index

87275

74
g-index

372
all docs

372
docs citations

372
times ranked

4670
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of tool wear width size and optimization of cutting parameters in milling process using novel ANFIS-PSO method. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2022, 236, 111-122.	1.5	8
2	Experimental investigation and optimization of femtosecond laser processing parameters of silicon carbide based on response surface methodology. Ceramics International, 2022, 48, 14507-14517.	2.3	13
3	An improved case based reasoning method and its application in estimation of surface quality toward intelligent machining. Journal of Intelligent Manufacturing, 2021, 32, 313-327.	4.4	32
4	Estimation of tool wear and optimization of cutting parameters based on novel ANFIS-PSO method toward intelligent machining. Journal of Intelligent Manufacturing, 2021, 32, 77-90.	4.4	63
5	Evolution of micro/nano-structural arrays on crystalline silicon carbide by femtosecond laser ablation. Materials Science in Semiconductor Processing, 2021, 121, 105299.	1.9	26
6	Mechanics analysis and predictive force models for the single-diamond grain grinding of carbon fiber reinforced polymers using CNT nano-lubricant. Journal of Materials Processing Technology, 2021, 290, 116976.	3.1	192
7	An improved case-based reasoning method and its application to predict machining performance. Soft Computing, 2021, 25, 5683-5697.	2.1	7
8	Assessment of cyclic utilization of coated cemented carbide inserts for turning of Inconel 718. International Journal of Advanced Manufacturing Technology, 2021, 112, 1583-1592.	1.5	0
9	Prediction of cutting power and surface quality, and optimization of cutting parameters using new inference system in high-speed milling process. Advances in Manufacturing, 2021, 9, 388-402.	3.2	17
10	The research of tool wear criterion in micro cutting using the elastic recovery ratio of high-strength elastic alloy 3J33B. International Journal of Advanced Manufacturing Technology, 2021, 114, 1767-1776.	1.5	2
11	Mechanisms and predictive force models for machining with rake face textured cutting tools under orthogonal cutting conditions. International Journal of Mechanical Sciences, 2021, 195, 106246.	3.6	17
12	Material removal mechanisms of ceramics turned by abrasive waterjet (AWJ) using a novel approach. Ceramics International, 2021, 47, 15165-15172.	2.3	15
13	Fabrication of high-aspect-ratio grooves with high surface quality by using femtosecond laser. Industrial Lubrication and Tribology, 2021, 73, 718-726.	0.6	7
14	Strip formation mechanisms and characteristics models in 3D printing of viscous polymer inks. Journal of Manufacturing Processes, 2021, 69, 331-339.	2.8	2
15	The mechanisms of high-efficiency grinding for micro/meso-structural arrays on ceramic moulds through an innovative wheel truing technology. Ceramics International, 2021, 47, 27624-27638.	2.3	8
16	Mechanisms and predictive models for the erosion process of super hard and brittle materials by a vibration-assisted slurry jet. International Journal of Mechanical Sciences, 2021, 211, 106794.	3.6	10
17	An investigation of recast behavior in laser ablation of 4H-silicon carbide wafer. Materials Science in Semiconductor Processing, 2020, 105, 104701.	1.9	28
18	Removal mechanism and surface quality of crystal semiconductor materials in scratching tests with Berkovich indenter. Materials Science in Semiconductor Processing, 2020, 105, 104746.	1.9	12

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19	Nanomechanical characterization of RB-SiC ceramics based on nanoindentation and modelling of the ground surface roughness. <i>Ceramics International</i> , 2020, 46, 6243-6253.	2.3	26
20	Influence of novel sintering process on the densification and microstructures of ceramic composite materials. <i>Ceramics International</i> , 2020, 46, 6733-6737.	2.3	5
21	Determination of the minimum chip thickness and the effect of the plowing depth on the residual stress field in micro-cutting of 18 Ni maraging steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 345-355.	1.5	11
22	A comprehensive method for selecting cutting tool materials. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 110, 229-240.	1.5	22
23	Mechanisms of enhancing the machining performance in micro abrasive waterjet drilling of hard and brittle materials by vibration assistance. <i>International Journal of Machine Tools and Manufacture</i> , 2020, 151, 103528.	6.2	19
24	A novel intelligent reasoning system to estimate energy consumption and optimize cutting parameters toward sustainable machining. <i>Journal of Cleaner Production</i> , 2020, 261, 121160.	4.6	38
25	Machinability investigations on high-speed drilling of aluminum reinforced with silicon carbide metal matrix composites. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 1601-1611.	1.5	8
26	Design and fabrication of graded cBN tool materials through high temperature high pressure method. <i>Journal of Alloys and Compounds</i> , 2020, 832, 154937.	2.8	8
27	Design and Characterization of Hydroxyapatite Scaffolds Fabricated by Stereolithography for Bone Tissue Engineering Application. <i>Procedia CIRP</i> , 2020, 89, 170-175.	1.0	21
28	Grinding performance and tribological behavior in solid lubricant assisted grinding of glass-ceramics. <i>Journal of Manufacturing Processes</i> , 2020, 51, 31-43.	2.8	19
29	Frequent promoter methylation of HOXD10 in endometrial carcinoma and its pathological significance. <i>Oncology Letters</i> , 2020, 19, 3602-3608.	0.8	5
30	An investigation of the hole machining processes on woven carbon-fiber reinforced polymers (CFRPs) using abrasive waterjets. <i>Machining Science and Technology</i> , 2019, 23, 19-38.	1.4	25
31	Glycyrrhetic acid-modified graphene oxide mediated siRNA delivery for enhanced liver-cancer targeting therapy. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 139, 105036.	1.9	34
32	Cyclinâ€dependent kinase subunit 2 overexpression promotes tumor progression and predicts poor prognosis in uterine leiomyosarcoma. <i>Oncology Letters</i> , 2019, 18, 2845-2852.	0.8	2
33	Surface quality evaluation of single crystal 4H-SiC wafer machined by hybrid laser-waterjet: Comparing with laser machining. <i>Materials Science in Semiconductor Processing</i> , 2019, 93, 238-251.	1.9	23
34	Predictive model for minimum chip thickness and size effect in single diamond grain grinding of zirconia ceramics under different lubricating conditions. <i>Ceramics International</i> , 2019, 45, 14908-14920.	2.3	326
35	On the relations between the specific cutting energy and surface generation in micro-milling of maraging steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 104, 585-598.	1.5	11
36	Study on surface integrity of compacted graphite iron milled by cemented carbide tools and ceramic tools. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 103, 4123-4134.	1.5	16

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37	Analytical modeling of surface roughness in precision grinding of particle reinforced metal matrix composites considering nanomechanical response of material. <i>International Journal of Mechanical Sciences</i> , 2019, 157-158, 243-253.	3.6	24
38	Design and Simulation of Flow Field for Bone Tissue Engineering Scaffold Based on Triply Periodic Minimal Surface. <i>Chinese Journal of Mechanical Engineering (English Edition)</i> , 2019, 32, .	1.9	15
39	Optimization of energy consumption in coating removal for recycling scrap coated cemented carbide tools using hybrid laser-waterjet. <i>Journal of Cleaner Production</i> , 2019, 229, 104-114.	4.6	8
40	A review on the erosion mechanisms in abrasive waterjet micromachining of brittle materials. <i>International Journal of Extreme Manufacturing</i> , 2019, 1, 012006.	6.3	21
41	Enhancing the machining performance by cutting tool surface modifications: a focused review. <i>Machining Science and Technology</i> , 2019, 23, 477-509.	1.4	40
42	Cutting performance and crack self-healing mechanism of a novel ceramic cutting tool in dry and high-speed machining of Inconel 718. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 102, 3431-3438.	1.5	20
43	The Olfactory Receptor Family 2, Subfamily T, Member 6 (OR2T6) Is Involved in Breast Cancer Progression via Initiating Epithelial-Mesenchymal Transition and MAPK/ERK Pathway. <i>Frontiers in Oncology</i> , 2019, 9, 1210.	1.3	16
44	Impact characteristics and stagnation formation on a solid surface by a supersonic abrasive waterjet. <i>International Journal of Extreme Manufacturing</i> , 2019, 1, 045004.	6.3	6
45	Dynamic response of ceramic material subjected to impact of hard particle. <i>Materials Research Express</i> , 2019, 6, 045203.	0.8	2
46	Development of a novel aqueous hydroxyapatite suspension for stereolithography applied to bone tissue engineering. <i>Ceramics International</i> , 2019, 45, 3902-3909.	2.3	61
47	Investigation on chip formation and surface integrity in micro end milling of maraging steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 102, 1973-1984.	1.5	18
48	Overexpression of CD59 inhibits apoptosis of T-acute lymphoblastic leukemia via AKT/Notch1 signaling pathway. <i>Cancer Cell International</i> , 2019, 19, 9.	1.8	11
49	Investigation and modeling of microgrooves generated on diamond grinding wheel by abrasive waterjet based on Boxâ€œBehnken experimental design. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 100, 321-332.	1.5	16
50	Estimation of tool life and cutting burr in high speed milling of the compacted graphite iron by DE based adaptive neuro-fuzzy inference system. <i>Mechanical Sciences</i> , 2019, 10, 243-254.	0.5	2
51	Experimental study of surface integrity and fatigue life in the face milling of inconel 718. <i>Frontiers of Mechanical Engineering</i> , 2018, 13, 243-250.	2.5	22
52	Sintering mechanisms of Al ₂ O ₃ -based composite ceramic tools having 25% Si ₃ N ₄ additions. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018, 73, 132-138.	1.7	9
53	Evolution mechanisms of high temperature mechanical properties and microstructures of Al ₂ O ₃ /SiCw/TiCn nanocomposite materials. <i>Journal of Alloys and Compounds</i> , 2018, 737, 46-52.	2.8	22
54	An experimental investigation on laser assisted waterjet micro-milling of silicon nitride ceramics. <i>Ceramics International</i> , 2018, 44, 5636-5645.	2.3	22

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55	Processing Characteristics of Vegetable Oil-based Nanofluid MQL for Grinding Different Workpiece Materials. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2018, 5, 327-339.	2.7	242
56	Predictive modelling of cutting forces in end milling of titanium alloy Ti6Al4V. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018, 232, 1523-1534.	1.5	13
57	A study of hybrid laser-waterjet micromachining of crystalline germanium. <i>Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture</i> , 2018, 232, 1903-1917.	1.5	10
58	Crack-healing behavior of Al ₂ O ₃ -TiB ₂ -TiSi ₂ ceramic material. <i>Ceramics International</i> , 2018, 44, 2132-2137.	2.3	20
59	Histone deacetylase inhibitor SAHA-induced epithelial-mesenchymal transition by upregulating Slug in lung cancer cells. <i>Anti-Cancer Drugs</i> , 2018, 29, 80-88.	0.7	12
60	A study of the micro-hole geometry evolution on glass by abrasive air-jet micromachining. <i>Journal of Manufacturing Processes</i> , 2018, 31, 156-161.	2.8	28
61	Material removal of single crystal 4H-SiC wafers in hybrid laser-waterjet micromachining process. <i>Materials Science in Semiconductor Processing</i> , 2018, 82, 112-125.	1.9	20
62	Micromachining of 4H-SiC using femtosecond laser. <i>Ceramics International</i> , 2018, 44, 17775-17783.	2.3	31
63	An intelligent chatter detection method based on EEMD and feature selection with multi-channel vibration signals. <i>Measurement: Journal of the International Measurement Confederation</i> , 2018, 127, 356-365.	2.5	68
64	Investigation on erosion mechanism in ultrasonic assisted abrasive waterjet machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 94, 3741-3755.	1.5	8
65	The wear mechanisms of reaction bonded silicon carbide under abrasive polishing and slurry jet impact conditions. <i>Wear</i> , 2018, 410-411, 156-164.	1.5	35
66	Heat transfer and material ablation in hybrid laser-waterjet microgrooving of single crystalline germanium. <i>International Journal of Machine Tools and Manufacture</i> , 2017, 116, 25-39.	6.2	42
67	Fabrication and mechanical properties of Al ₂ O ₃ -SiCw-TiCnp ceramic tool material. <i>Ceramics International</i> , 2017, 43, 10224-10230.	2.3	36
68	Controlled material removal mode and depth of micro cracks in precision grinding of fused silica - A theoretical model and experimental verification. <i>Ceramics International</i> , 2017, 43, 11596-11609.	2.3	37
69	Maximum undeformed equivalent chip thickness for ductile-brittle transition of zirconia ceramics under different lubrication conditions. <i>International Journal of Machine Tools and Manufacture</i> , 2017, 122, 55-65.	6.2	390
70	Elastic stress field model and micro-crack evolution for isotropic brittle materials during single grit scratching. <i>Ceramics International</i> , 2017, 43, 10726-10736.	2.3	78
71	Analysis of grinding mechanics and improved predictive force model based on material-removal and plastic-stacking mechanisms. <i>International Journal of Machine Tools and Manufacture</i> , 2017, 122, 81-97.	6.2	328
72	Direct writing of large-area micro/nano-structural arrays on single crystalline germanium substrates using femtosecond lasers. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	9

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73	Investigation and modelling of hybrid laser-waterjet micromachining of single crystal SiC wafers using response surface methodology. <i>Materials Science in Semiconductor Processing</i> , 2017, 68, 199-212.	1.9	24
74	Effects of sintering temperature and nano Ti(C,N) on the microstructure and mechanical properties of Ti(C,N) cermet cutting tool materials with low Ni-Co. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 705, 98-104.	2.6	32
75	A Study of the Interaction between Abrasive Waterjet and Target by CFD and FEM Method. <i>Key Engineering Materials</i> , 2017, 748, 275-279.	0.4	1
76	Mechanical properties and microstructure of Al ₂ O ₃ -TiB ₂ -TiSi ₂ ceramic tool material. <i>Ceramics International</i> , 2017, 43, 14192-14199.	2.3	14
77	Theoretical hardness analysis and experimental verification for composite ceramic tool materials. <i>Ceramics International</i> , 2017, 43, 15580-15585.	2.3	8
78	An analytical model for the prediction of temperature distribution and evolution in hybrid laser-waterjet micro-machining. <i>Precision Engineering</i> , 2017, 47, 33-45.	1.8	31
79	An investigation of surface roughness in micro-end-milling of metals. <i>Australian Journal of Mechanical Engineering</i> , 2017, 15, 166-174.	1.5	9
80	Experimental study on a micro-abrasive slurry jet for glass polishing. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 89, 451-462.	1.5	19
81	An experimental study of the particle velocities in abrasive waterjets. <i>International Journal of Abrasive Technology</i> , 2017, 8, 147.	0.2	2
82	Superficial Residual Stresses in Face-Milling the 17-4PH Stainless Steel at Various Feed Rates. <i>Key Engineering Materials</i> , 2016, 693, 922-927.	0.4	1
83	A Hybrid Machining Database System Using Case-Based Reasoning and Fuzzy Technology. <i>Key Engineering Materials</i> , 2016, 693, 1805-1810.	0.4	0
84	Effects of heating rate and metal binder on the microstructure and mechanical properties of self-diffusion gradient cermet composite tool materials. <i>Journal of Alloys and Compounds</i> , 2016, 677, 190-203.	2.8	9
85	An experimental investigation of micro-machinability of aluminum alloy 2024 using Ti(C ₇ N ₃)-based cermet micro end-mill tools. <i>Journal of Materials Processing Technology</i> , 2016, 235, 13-27.	3.1	30
86	Prediction model of depth of penetration for alumina ceramics turned by abrasive waterjet—finite element method and experimental study. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 2673-2682.	1.5	25
87	A 3D simulation of the fluid field at the jet impinging zone in ultrasonic-assisted abrasive waterjet polishing. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 87, 3091-3103.	1.5	13
88	Laser-Assisted Waterjet Micro-Grooving of Silicon Wafers for Minimizing Heat Affected Zone. <i>Materials Science Forum</i> , 2016, 861, 133-138.	0.3	1
89	Microstructure and formation process of gradient structure of self-diffusion composite tool materials. <i>International Journal of Nanomanufacturing</i> , 2016, 12, 55.	0.3	0
90	Crack-free ductile mode grinding of fused silica under controllable dry grinding conditions. <i>International Journal of Machine Tools and Manufacture</i> , 2016, 109, 126-136.	6.2	66

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91	An Experimental Study on Finish Dry Milling of AISI 321 Stainless Steel. Materials Science Forum, 2016, 861, 26-31.	0.3	6
92	Investigation on Material Response to Ultrahigh Velocity Impact on Ceramics by Micro Particle. Tribology Letters, 2016, 64, 1.	1.2	7
93	Laser-Assisted Waterjet Microgrooving of Silicon Nitride Ceramics with near Damage-Free. Materials Science Forum, 2016, 861, 69-74.	0.3	1
94	A New Look into the Loose Particle Impact Process for Ductile Materials. Materials Science Forum, 2016, 874, 213-218.	0.3	3
95	Surface Roughness and Topography Analysis in Precision Milling of 3J33 Maraging Steel. Materials Science Forum, 2016, 874, 497-502.	0.3	4
96	Study on the Simplification of Spiral Bevel Gear Grinding Model. Materials Science Forum, 2016, 861, 108-114.	0.3	1
97	Finite Element Simulation of Minimum Cutting Thickness in Micro-Cutting. Materials Science Forum, 2016, 861, 50-55.	0.3	2
98	Radial-mode abrasive waterjet turning of short carbon fiber-reinforced plastics. Machining Science and Technology, 2016, 20, 231-248.	1.4	18
99	Sliding behavior and wear mechanism of iron and cobalt-based high-temperature alloys against WC and SiC balls. International Journal of Refractory Metals and Hard Materials, 2016, 59, 40-55.	1.7	14
100	Tool damage and its effect on the machined surface roughness in high-speed face milling the 17-4PH stainless steel. International Journal of Advanced Manufacturing Technology, 2016, 83, 257-264.	1.5	25
101	On the erosion process on quartz crystals by the impact of multiple high-velocity micro-particles. Tribology International, 2016, 95, 462-474.	3.0	27
102	Characterization of KDP Crystal Surfaces from Single Point Diamond Milling. Advanced Materials Research, 2016, 1136, 271-276.	0.3	1
103	Heat-assisted high efficiency ductile dry grinding of fused silica. Guangxue Jingmi Gongcheng/Optics and Precision Engineering, 2016, 24, 83-93.	0.2	4
104	In-situ fabricated TiB ₂ particle-whisker synergistically toughened Ti(C, N)-based ceramic cutting tool material. Chinese Journal of Mechanical Engineering (English Edition), 2015, 28, 338-342.	1.9	7
105	Predictive models for the geometrical characteristics of channels milled by abrasive waterjet. , 2015, , .		1
106	A study of the micro-machining process on quartz crystals using an abrasive slurry jet. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 421-434.	1.5	15
107	Further Development of Oxley's Predictive Force Model for Orthogonal Cutting. Machining Science and Technology, 2015, 19, 86-111.	1.4	16
108	A research on ultrasonic-assisted abrasive waterjet polishing of hard-brittle materials. International Journal of Advanced Manufacturing Technology, 2015, 78, 1361-1369.	1.5	41

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109	FEM analysis on the abrasive erosion process in ultrasonic-assisted abrasive waterjet machining. International Journal of Advanced Manufacturing Technology, 2015, 78, 1641-1649.	1.5	23
110	Tool damage and machined-surface quality using hot-pressed sintering Ti(C7N3)/WC/TaC cermet cutting inserts for high-speed turning stainless steels. International Journal of Advanced Manufacturing Technology, 2015, 79, 197-210.	1.5	29
111	Process models for controlled-depth abrasive waterjet milling of amorphous glasses. International Journal of Advanced Manufacturing Technology, 2015, 77, 1177-1189.	1.5	22
112	Analytical modelling of cutting forces in near-orthogonal cutting of titanium alloy Ti6Al4V. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2015, 229, 1122-1133.	1.1	15
113	An experimental study of abrasive waterjet machining of Ti-6Al-4V. International Journal of Advanced Manufacturing Technology, 2015, 81, 361-369.	1.5	54
114	Fabrication and characterization of Si3N4 reinforced Al2O3-based ceramic tool materials. Ceramics International, 2015, 41, 12798-12804.	2.3	32
115	Effect of boron nitride nanotubes content on mechanical properties and microstructure of Ti(C,N)-based cermets. Ceramics International, 2015, 41, 2813-2818.	2.3	18
116	Impact erosion by high velocity micro-particles on a quartz crystal. Tribology International, 2015, 82, 200-210.	3.0	37
117	Temperature evolution and material removal mechanisms in nanosecond-pulsed laser ablation of polycrystalline diamond. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2015, 229, 1357-1372.	1.5	13
118	Dressing of diamond grinding wheels by abrasive water jet for freeform optical surface grinding. , 2014, , .		2
119	High Efficiency Abrasive Waterjet Dressing of Diamond Grinding Wheel. Advanced Materials Research, 2014, 1017, 243-248.	0.3	8
120	A new method to evaluate the machinability of difficult-to-cut materials. International Journal of Advanced Manufacturing Technology, 2014, 75, 91-96.	1.5	12
121	Analysis of the machining performance and surface integrity in laser milling of polycrystalline diamonds. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2014, 228, 903-917.	1.5	17
122	Detection and analysis of chatter occurrence in micro-milling process. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2014, 228, 1359-1371.	1.5	34
123	Dynamic fatigue behavior of Al2O3/TiC micro-nano-composite ceramic tool materials at ambient and high temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 593, 64-69.	2.6	16
124	Effects of particulate metallic phase on microstructure and mechanical properties of carbide reinforced alumina ceramic tool materials. Ceramics International, 2014, 40, 2809-2817.	2.3	22
125	Scanning path planning for laser bending of straight tube into curve tube. Optics and Laser Technology, 2014, 56, 43-51.	2.2	12
126	Optimization of machining parameters in the abrasive waterjet turning of alumina ceramic based on the response surface methodology. International Journal of Advanced Manufacturing Technology, 2014, 71, 2107-2114.	1.5	57

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127	Modeling and optimization of operating parameters for abrasive waterjet turning alumina ceramics using response surface methodology combined with Boxâ€ˆBehnken design. <i>Ceramics International</i> , 2014, 40, 7899-7908.	2.3	86
128	A study on in-situ synthesis of TiB ₂ â€ˆSiC ceramic composites by reactive hot pressing. <i>Ceramics International</i> , 2014, 40, 2305-2313.	2.3	54
129	Microstructure and mechanical properties of TiB ₂ â€ˆSiC ceramic composites by Reactive Hot Pressing. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014, 42, 36-41.	1.7	61
130	Study on the synthesis and growth mechanisms of the refractory ZrC whiskers. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014, 42, 116-119.	1.7	23
131	Study on microstructure and its formation mechanism, and mechanical properties of TiB ₂ â€ˆTiC laminated Ti(C5N5) composite ceramic cutting tool material. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014, 42, 169-179.	1.7	11
132	Microgrooving of Germanium Wafers Using Laser and Hybrid Laser-Waterjet Technologies. <i>Advanced Materials Research</i> , 2014, 1017, 193-198.	0.3	6
133	Effects of metal phases and carbides on the microstructure and mechanical properties of Ti(C,N)-based cermets cutting tool materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 618, 462-470.	2.6	31
134	Effects of sintering processes on the mechanical properties and microstructure of Ti(C,N)-based cermet cutting tool materials. <i>International Journal of Refractory Metals and Hard Materials</i> , 2014, 47, 71-79.	1.7	36
135	On DEMâ€ˆCFD study of the dynamic characteristics of high speed micro-abrasive air jet. <i>Powder Technology</i> , 2014, 267, 161-179.	2.1	41
136	Chemical ablation therapy of recurrent mediastinal nodal metastasis in post-radiotherapy cancer patients. <i>Medical Oncology</i> , 2014, 31, 224.	1.2	2
137	Cutting performance and failure mechanisms of TiB ₂ -based ceramic cutting tools in machining hardened Cr12MoV mold steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 70, 495-500.	1.5	12
138	Modelling the cutting forces in micro-end-milling using a hybrid approach. <i>International Journal of Advanced Manufacturing Technology</i> , 2014, 73, 1647-1656.	1.5	38
139	On ultrahigh velocity micro-particle impact on steels â€ˆ A multiple impact study. <i>Wear</i> , 2014, 309, 52-64.	1.5	33
140	Microstructure and mechanical properties of hot pressed TiB ₂ â€ˆSiC composite ceramic tool materials at room and elevated temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 606, 108-116.	2.6	49
141	Heating and material removal process in hybrid laser-waterjet ablation of silicon substrates. <i>International Journal of Machine Tools and Manufacture</i> , 2014, 79, 1-16.	6.2	53
142	Effects of superfine refractory carbide additives on microstructure and mechanical properties of TiB ₂ â€ˆTiC+Al ₂ O ₃ composite ceramic cutting tool materials. <i>Journal of Alloys and Compounds</i> , 2014, 585, 192-202.	2.8	29
143	Effects of TiC content and melt phase on microstructure and mechanical properties of ternary TiB ₂ -based ceramic cutting tool materials. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 605, 137-143.	2.6	46
144	Study of a hot-pressed sintering preparation of Ti(C7N3)-based composite cermets materials and their performance as cutting tools. <i>Journal of Alloys and Compounds</i> , 2014, 611, 363-371.	2.8	28

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145	Effects of geometric structure of twist drill bits and cutting condition on tool life in drilling 42CrMo ultrahigh-strength steel. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 64, 41-47.	1.5	16
146	Scanning path planning for laser bending of straight tube into coil-shape tube. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 69, 909-917.	1.5	8
147	Boron Nitride Ultrathin Fibrous Nanonets: One-Step Synthesis and Applications for Ultrafast Adsorption for Water Treatment and Selective Filtration of Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 12773-12778.	4.0	81
148	A Surface Roughness Model in Radial-Mode Abrasive Waterjet Turning for High-Tensile Steels. <i>Applied Mechanics and Materials</i> , 2013, 483, 177-181.	0.2	8
149	Preparation of in-situ growth TaC whiskers toughening Al ₂ O ₃ ceramic matrix composite. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 36, 122-125.	1.7	34
150	Reliability of partial ambiguity fixing with multiple GNSS constellations. <i>Journal of Geodesy</i> , 2013, 87, 1-14.	1.6	69
151	Study on in-situ synthesis of ZrB ₂ whiskers in ZrB ₂ -ZrC matrix powder for ceramic cutting tools. <i>International Journal of Refractory Metals and Hard Materials</i> , 2013, 37, 98-105.	1.7	37
152	In situ synthesis of ZrB ₂ -ZrC ceramic tool materials toughened by elongated ZrB ₂ grains. <i>Materials & Design</i> , 2013, 49, 226-233.	5.1	37
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328	Flow Dynamic Simulation of Micro Abrasive Water Jet. <i>Solid State Phenomena</i> , 0, 175, 171-176.	0.3	9
329	Three Dimensional Monte Carlo Simulation of Microstructure Evolution in Presence of Pores and Impurities for Three-Phase Nanocomposite Ceramic Tool Materials. <i>Advanced Materials Research</i> , 0, 500, 531-536.	0.3	0
330	Influence of Cobalt Additive on Mechanical Properties and Residual Stress of Al ₂ O ₃ -TiC Ceramic Cutting Tool Material. <i>Advanced Materials Research</i> , 0, 500, 657-661.	0.3	3
331	Ball-End Milling of Cr12MoV Die Steel Using Ceramic Tool and Cements Carbide Tool. <i>Advanced Materials Research</i> , 0, 565, 466-471.	0.3	0
332	Microstructure and Mechanical Properties of TiB ₂ -WC-TiC-Ni Composite Tool Materials. <i>Advanced Materials Research</i> , 0, 457-458, 1191-1195.	0.3	1
333	A Study of Cutting Forces in High-Speed Dry Milling of Inconel 718. <i>Advanced Materials Research</i> , 0, 500, 105-110.	0.3	5
334	Tool Wear in Ball-End Milling of Cr12MoV Die Steel Using an Indexable Cutter with the Asymmetric Inserts. <i>Advanced Materials Research</i> , 0, 500, 111-116.	0.3	0
335	Thermal Analysis of Multi-Pass Laser Irradiation on Fused Silica. <i>Advanced Materials Research</i> , 0, 565, 621-626.	0.3	0
336	A 3D Cohesive Element Model for Fracture Behavior Analysis of Ceramic Tool Materials Microstructure. <i>Materials Science Forum</i> , 0, 723, 119-123.	0.3	4
337	The Effects of Sintering Process on Microstructure and Mechanical Properties of TiB ₂ -Ti(C _{0.5} N _{0.5})-WC Composite Tool Materials. <i>Advanced Materials Research</i> , 0, 500, 640-645.	0.3	2
338	Study on Experiment Device of Abrasive Water Jet Micro-Turning. <i>Advanced Materials Research</i> , 0, 500, 339-344.	0.3	3
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#	ARTICLE	IF	CITATIONS
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345	Effect of Ball-Milling Time on the Microstructure and Mechanical Properties of Submicron Ti(C,N)-Based Cermets. Key Engineering Materials, 0, 589-590, 584-589.	0.4	1
346	Micro-Channel Fabrication on Quartz Crystals by a Micro Abrasive Air Jet. Advanced Materials Research, 0, 652-654, 2159-2163.	0.3	0
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359	An Experimental Investigation of Cutting Forces in Micro End-Milling Process. Key Engineering Materials, 0, 693, 710-717.	0.4	0
360	A Comparison among Dry Laser Ablation and Some Different Water-Laser Co-Machining Processes of Single Crystal Silicon Carbide. Materials Science Forum, 0, 861, 3-8.	0.3	6

#	ARTICLE	IF	CITATIONS
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362	Relaxation of Thermal Residual Stress in Laser Irradiated Fused Silica by Annealing Process. <i>Materials Science Forum</i> , 0, 874, 345-350.	0.3	3
363	Characterisation of the Femtosecond Laser Micro-Grooving Process for Germanium Substrates. <i>Materials Science Forum</i> , 0, 874, 291-296.	0.3	5
364	An Investigation of Hole Machining Process on a Carbon-Fiber Reinforced Plastic Sheet by Abrasive Waterjet. <i>Advanced Materials Research</i> , 0, 1136, 113-118.	0.3	8
365	Controlled Fabrication of Micro/Nano-Structures on Germanium Using Ultrashort Laser Pulses under Ambient Conditions. <i>Advanced Materials Research</i> , 0, 1136, 440-445.	0.3	2
366	Coupled Thermal-Mechanical Analysis of CO ₂ Laser Irradiation on Fused Silica. <i>Advanced Materials Research</i> , 0, 1136, 531-536.	0.3	0
367	Three Dimensional Monte Carlo Simulation of Microstructure Evolution in Presence of Pores for Three-Phase Nano-Composite Ceramic Tool Materials. <i>Advanced Materials Research</i> , 0, 457-458, 1567-1572.	0.3	0