

# Jin Xie

## List of Publications by Year in descending order

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17  
papers

190  
citations

1478505

6  
h-index

1058476

14  
g-index

17  
all docs

17  
docs citations

17  
times ranked

168  
citing authors

#	ARTICLE	IF	CITATIONS
1	Micro-grinding of micro-groove array on tool rake surface for dry cutting of titanium alloy. International Journal of Precision Engineering and Manufacturing, 2012, 13, 1845-1852.	2.2	103
2	The micro-optic photovoltaic behavior of solar cell along with microlens curved glass substrate. Energy Conversion and Management, 2015, 96, 315-321.	9.2	17
3	Study on in-air electro-contact discharge (ECD) truncating of coarse diamond grinding wheel for the dry smooth grinding of hardened steel. Journal of Materials Processing Technology, 2020, 276, 116402.	6.3	15
4	Application of Electro-contact Discharge Dressing to a Fine-grained Diamond Grinding Wheel.. Journal of the Japan Society for Precision Engineering, 2001, 67, 1844-1849.	0.1	10
5	A rapid and precision hot embossing of LGP micro-arch lens array inside core microgrooves: simulation and experiment. International Journal of Advanced Manufacturing Technology, 2018, 95, 171-180.	3.0	8
6	Study on Micro-Crack Induced Precision Severing of Quartz Glass Chips. Micromachines, 2018, 9, 224.	2.9	6
7	Study on non-isothermal hot-embossing of polymer micro-prism array with efficiency and accuracy. Journal of Materials Processing Technology, 2019, 266, 675-686.	6.3	6
8	Theoretical and Experimental Study on Hot-Embossing of Glass-Microprism Array without Online Cooling Process. Micromachines, 2020, 11, 984.	2.9	6
9	Study on 3D characterized profile and point accuracies of ground micro-pyramid-structured Si surface. International Journal of Precision Engineering and Manufacturing, 2013, 14, 627-634.	2.2	3
10	Micro-Grinding Performance of Hard-Brittle Chip Materials in Precision Micro-Grinding Microgroove. Journal of Shanghai Jiaotong University (Science), 2018, 23, 70-76.	0.9	3
11	In-process monitoring of microscale grain protrusions by tracing impulse-discharge energy related to thermal transmission balance on diamond cutting interface. Journal of Materials Processing Technology, 2021, 297, 117256.	6.3	3
12	Experimental study on self-flowing speed in microchannel related to micro-/nanoscale surface topographies. Microfluidics and Nanofluidics, 2017, 21, 1.	2.2	2
13	Experimental study on impulse discharge machinability of concave micro-array using a micro-tip array electrode. Machining Science and Technology, 2018, 22, 1029-1044.	2.5	2
14	A closed-loop intelligent adjustment of process parameters in precise and micro hot-embossing using an in-process optic detection. Journal of Intelligent Manufacturing, 2022, 33, 2341-2355.	7.3	2
15	Mechanism on dry impulse discharge removal of metal bond of diamond grinding wheel. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2007, 43, 93.	0.5	2
16	Microgrinding of lithium metasilicate/disilicate glass-ceramics. Ceramics International, 2022, 48, 8548-8562.	4.8	2
17	In-process detection of hot-embossed two-level microstructures by the green light sensing. Measurement: Journal of the International Measurement Confederation, 2022, 192, 110824.	5.0	0