

Lars SchÄjnemann

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

388
citations

1307594

7
h-index

1199594

12
g-index

22
all docs

22
docs citations

22
times ranked

271
citing authors

#	ARTICLE	IF	CITATIONS
1	Review on diamond-machining processes for the generation of functional surface structures. CIRP Journal of Manufacturing Science and Technology, 2012, 5, 1-7.	4.5	127
2	Manufacturing of multiscale structured surfaces. CIRP Annals - Manufacturing Technology, 2020, 69, 717-739.	3.6	73
3	Diamond Micro Chiseling of large-scale retroreflective arrays. Precision Engineering, 2012, 36, 650-657.	3.4	55
4	Design and Control of a Piezoelectrically Actuated Fast Tool Servo for Diamond Turning of Microstructured Surfaces. IEEE Transactions on Industrial Electronics, 2020, 67, 6688-6697.	7.9	49
5	Generation of discontinuous microstructures by Diamond Micro Chiseling. CIRP Annals - Manufacturing Technology, 2014, 63, 49-52.	3.6	42
6	Synergistic approaches to ultra-precision high performance cutting. CIRP Journal of Manufacturing Science and Technology, 2020, 28, 38-51.	4.5	10
7	Thermo-mechanical tool setting mechanism for ultra-precision milling with multiple cutting edges. Precision Engineering, 2019, 55, 171-178.	3.4	9
8	Electromagnetic Embossing of Optical Microstructures. Journal of Micro and Nano-Manufacturing, 2016, 4, .	0.7	8
9	High performance cutting for ultra-precision machining. International Journal of Nanomanufacturing, 2015, 11, 245.	0.3	6
10	Control of a Thermal Actuator for UP-milling with Multiple Cutting Edges. Procedia CIRP, 2016, 46, 424-427.	1.9	3
11	Microstructuring of Surfaces for Bio-Medical Applications. Advanced Materials Research, 0, 907, 213-224.	0.3	2
12	Force Controlled Grinding of Ceramic Materials. Applied Mechanics and Materials, 0, 794, 270-277.	0.2	2
13	Micro Chiseling of Retroreflective Arrays. Micro/Nano Technologies, 2018, , 1-29.	0.1	1
14	Digital surface twin for ultra-precision high performance cutting. Precision Engineering, 2022, 77, 349-359.	3.4	1
15	Micro Chiseling of Retroreflective Arrays. Micro/Nano Technologies, 2018, , 1-29.	0.1	0
16	Micro-Injection Molding of Diffractive Structured Surfaces. Journal of Manufacturing and Materials Processing, 2021, 5, 12.	2.2	0
17	Sequential Processing of Cold Gas Sprayed Alloys by Milling and Deep Rolling. Materials, 2021, 14, 3699.	2.9	0
18	Replication of Prismatic Microstructures by Electromagnetic Embossing. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	Micro Chiseling of Retroreflective Arrays. Micro/Nano Technologies, 2018, , 3-31.	0.1	0
20	Ultra-Precision High Speed Cutting. Lecture Notes in Production Engineering, 2022, , 43-73.	0.4	0