

# Kazutoshi Katahira

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/245031/publications.pdf>

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10  
papers

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citations

1478505

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1474206

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docs citations

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times ranked

169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface modification of titanium alloy via atmospheric pressure nitrogen plasma assisted femtosecond laser irradiation. CIRP Annals - Manufacturing Technology, 2022, 71, 469-472.	3.6	3
2	Experimental investigation for optimizing the fabrication of a sapphire capillary using femtosecond laser machining and diamond tool micromilling. CIRP Annals - Manufacturing Technology, 2020, 69, 229-232.	3.6	6
3	Rapid surface nitriding of titanium alloy by a nanosecond fiber laser under atmospheric conditions. CIRP Annals - Manufacturing Technology, 2018, 67, 563-566.	3.6	19
4	Fixed abrasive machining of non-metallic materials. CIRP Annals - Manufacturing Technology, 2018, 67, 767-790.	3.6	30
5	Generation of biocompatible TiO <sub>2</sub> layer using atmospheric pressure plasma-assisted fine particle peening. CIRP Annals - Manufacturing Technology, 2017, 66, 515-518.	3.6	3
6	Generation of Biocompatible TiO <sub>2</sub> Layer Using Atmospheric Pressure Plasma-Assisted Fine Particle Peening. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2017, 25, 37-41.	0.0	0
7	Generation of bio-compatible titanium alloy surfaces by laser-induced wet treatment. CIRP Annals - Manufacturing Technology, 2016, 65, 237-240.	3.6	11
8	Effect of atmospheric-pressure plasma jet on polycrystalline diamond micro-milling of silicon carbide. CIRP Annals - Manufacturing Technology, 2015, 64, 129-132.	3.6	32
9	Micromilling characteristics and electrochemically assisted reconditioning of polycrystalline diamond tool surfaces for ultra-precision machining of high-purity SiC. CIRP Annals - Manufacturing Technology, 2014, 63, 329-332.	3.6	15
10	A study on the quality of micro-machined surfaces on tungsten carbide generated by PCD micro end-milling. CIRP Annals - Manufacturing Technology, 2012, 61, 567-570.	3.6	76