Min-Soo Park

List of Publications by Year
in descending order

30 papers	626 citations	759190 12 h-index	580810 25 g-index
30 all docs	30 docs citations	30 times ranked	573 citing authors

#	Article	IF	Citations
1	Microchannel Fabrication on Glass Materials for Microfluidic Devices. International Journal of Precision Engineering and Manufacturing, 2019, 20, 479-495.	2.2	102
2	Optimization and characterization of high-viscosity ZrO2 ceramic nanocomposite resins for supportless stereolithography. Materials and Design, 2019, 180, 107960.	7.0	82
3	Micro ECM with ultrasonic vibrations using a semi-cylindrical tool. International Journal of Precision Engineering and Manufacturing, 2009, 10, 5-10.	2.2	73
4	A Study on the Rheological and Mechanical Properties of Photo-Curable Ceramic/Polymer Composites with Different Silane Coupling Agents for SLA 3D Printing Technology. Nanomaterials, 2018, 8, 93.	4.1	52
5	The development of air-breathing proton exchange membrane fuel cell (PEMFC) with a cylindrical configuration. International Journal of Hydrogen Energy, 2010, 35, 11844-11854.	7.1	39
6	EDM turning using a strip electrode. Journal of Materials Processing Technology, 2013, 213, 1495-1500.	6.3	38
7	Sintering Process Optimization for 3YSZ Ceramic 3D-Printed Objects Manufactured by Stereolithography. Nanomaterials, 2021, 11, 192.	4.1	36
8	Machining characteristics of micro EDM in water using high frequency bipolar pulse. International Journal of Precision Engineering and Manufacturing, 2011, 12, 195-201.	2.2	34
9	Improvement of dispersion stability and 3D-printing characteristics of ceramics in photopolymers by controlling the coating thickness of silane coupling agents. Materials Chemistry and Physics, 2018, 216, 446-453.	4.0	17
10	Electrical discharge machining using a strip electrode. Precision Engineering, 2013, 37, 738-745.	3.4	16
11	Wettability of microstructured Pyrex glass with hydrophobic and hydrophilic properties. Surface and Coatings Technology, 2017, 319, 213-218.	4.8	15
12	Direct Conductive Patterning on 3D Printed Structure Using Laser. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700597.	1.8	15
13	Circuit patterning using laser on transparent material. Surface and Coatings Technology, 2017, 315, 377-384.	4.8	13
14	Development of multicolor 3D-printed 3Y-ZrO2 sintered bodies by optimizing rheological properties of UV-curable high-content ceramic nanocomposites. Materials and Design, 2021, 209, 109981.	7.0	13
15	Water spray electrical discharge drilling of WC-Co to prevent electrolytic corrosion. International Journal of Precision Engineering and Manufacturing, 2012, 13, 1117-1123.	2.2	10
16	Wetting properties of hybrid structure with hydrophilic ridges and hydrophobic channels. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	9
17	The development of a cylindrical proton exchange membrane fuel cell with an integrated metal-hydride container. International Journal of Precision Engineering and Manufacturing, 2013, 14, 1065-1070.	2.2	8
18	3D printed conductive patterns based on laser irradiation. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1600943.	1.8	8

#	Article	IF	Citations
19	Fabrication of Conductive Patterns on 3D Printed Structure Using Photoâ€Polymerization Technology. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1801017.	1.8	7
20	Fast Fabrication of Conductive Copper Structure on Glass Material Using Laser-Induced Chemical Liquid Phase Deposition. Applied Sciences (Switzerland), 2021, 11, 8695.	2.5	6
21	Property Analysis of Photo-Polymerization-Type 3D-Printed Structures Based on Multi-Composite Materials. Applied Sciences (Switzerland), 2021, 11, 8545.	2.5	6
22	Dual Regime Spray Deposition Based Laser Direct Writing of Metal Patterns on Polymer Substrates. Journal of Micro and Nano-Manufacturing, 2020, 8, .	0.7	5
23	Property Analysis of Multi-Material Specimen based on ME Type 3D Printer. Journal of the Korean Society for Precision Engineering, 2020, 37, 231-238.	0.2	5
24	Fabrication of Glass Microstructure Using Laser-Induced Backside Wet Etching. Transactions of the Korean Society of Mechanical Engineers, A, 2014, 38, 967-972.	0.2	4
25	Development of DLP 3D Printer with Multiple Composite Materials. Journal of the Korean Society for Precision Engineering, 2020, 37, 381-388.	0.2	4
26	Texture Modification of 3D-Printed Maltitol Candy by Changing Internal Design. Applied Sciences (Switzerland), 2022, 12, 4189.	2.5	3
27	A novel motorized bending apparatus for surgical plates. Journal of Mechanical Science and Technology, 2019, 33, 3743-3748.	1.5	2
28	Fabrication of Electrically Conductive Patterns on Acrylonitrile-Butadiene-Styrene Polymer Using Low-Pressure Cold Spray and Electroless Plating. Journal of Micro and Nano-Manufacturing, 2020, 8, .	0.7	2
29	Practical bending-angle calculation for an automated surgical plate bending apparatus. Journal of Mechanical Science and Technology, 2020, 34, 2101-2109.	1.5	1
30	Development of a Material Mixing Extrusion Type Chocolate 3D Printer. Journal of the Korean Society for Precision Engineering, 2021, 38, 145-151.	0.2	1