

Young Sik Pyun

List of Publications by Year in descending order

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13
papers

78
citations

1684188
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1474206
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13
all docs

13
docs citations

13
times ranked

60
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of ultrasonic nanocrystal surface modification for surface quality improvement of directed energy deposited stainless steel 316L. Journal of Materials Research and Technology, 2020, 9, 15102-15122.	5.8	23
2	Preliminary Study of the Effect of Micro-Scale Dimple Size on Friction and Wear under Oil-Lubricated Sliding Contact. Tribology Online, 2011, 6, 284-290.	0.9	19
3	Ultrasonic Nanocrystal Surface Modification Technology. Journal of Nanoscience and Nanotechnology, 2012, 12, 6089-6095.	0.9	9
4	Reducing production loss by prolonging service life of rolling mill shear pin with ultrasonic nanocrystal surface modification technology. International Journal of Precision Engineering and Manufacturing, 2013, 14, 2027-2032.	2.2	9
5	Restoration of Rolling-Contact-Fatigued Surfaces via Nanoskin Technology. Journal of Nanoscience and Nanotechnology, 2013, 13, 6371-6375.	0.9	7
6	THE CONCEPTS AND PROPERTIES OF NANO-SKIN MATERIALS AND COMPONENTS CREATED BY ULTRASONIC NANOCRYSTAL SURFACE MODIFICATION. International Journal of Modern Physics Conference Series, 2012, 06, 527-533.	0.7	3
7	Microstructure and Friction Behavior of AISI 52100 and D2 Steels Subjected to Ultrasonic Nanocrystalline Surface Modification (UNSM) Technique at a High Temperature. Materials Science Forum, 2016, 879, 164-168.	0.3	3
8	VHCF, Tribology Characteristics and UNSM Effects of Bainite and Martensite Spring Steels. Metals, 2022, 12, 901.	2.3	2
9	Microstructural Characterization and Mechanical Properties of Stainless Steel Inlay Welded Dissimilar Materials. Materials Science Forum, 2016, 879, 932-937.	0.3	1
10	New Code Case Development for the Mitigation of PWSCC and CISCC in ASME Section III Components by Advanced Surface Stress Improvement Technology. , 2019, , .		1
11	Inconel 718 and UNSM Treated Alloy Study on the Rotary Bending High Temperature Fatigue Characteristics under a Light Concentrating System. Transactions of the Korean Society of Mechanical Engineers, A, 2016, 40, 935-941.	0.2	1
12	The Effects of Ultrasonic Nanocrystal Surface Modification Technique Temperature on Microstructure and Wear of Alloy 600. Materials Science Forum, 2016, 879, 926-931.	0.3	0
13	Application of UNSM Technology for Performance and Durability Improvement of Service Parts of Vaporizer Seawater Pumps and Cryogenic Valves in LNG Terminal. Transactions of the Korean Society of Mechanical Engineers, B, 2019, 43, 73-79.	0.1	0