

Pankaj Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,034
citations

759233

12
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

964
citing authors

#	ARTICLE	IF	CITATIONS
1	Relation between the Widom line and the dynamic crossover in systems with a liquid-liquid phase transition. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16558-16562.	7.1	693
2	Influence of laser processing parameters on porosity in Inconel 718 during additive manufacturing. International Journal of Advanced Manufacturing Technology, 2019, 103, 1497-1507.	3.0	98
3	Title is missing!. Journal of Materials Science, 1999, 34, 5757-5769.	3.7	31
4	Tribological Properties of Additive Manufactured Materials for Energy Applications: A Review. Processes, 2021, 9, 31.	2.8	26
5	Optimizing the size of a CFRP patch to repair a crack in a thin sheet. Journal of Adhesion, 2017, 93, 1064-1080.	3.0	22
6	Material Design and Surface Engineering for Bio-implants. Jom, 2020, 72, 684-696.	1.9	21
7	Surface Energy and Tribology of Electrodeposited Ni and Ni-Graphene Coatings on Steel. Lubricants, 2019, 7, 87.	2.9	20
8	The fabrication of near net-shaped spinel bodies by the oxidative transformation of Mg/Al ₂ O ₃ precursors. Journal of Materials Research, 1998, 13, 3423-3435.	2.6	18
9	Experimental study of CFRP patches bonded on a cracked aluminum alloy panel. Composite Interfaces, 2015, 22, 233-248.	2.3	15
10	The role of yield stress on cracked thin panels of aluminum alloys repaired with a fRP patch. Journal of Adhesion, 2017, 93, 412-429.	3.0	14
11	Selective Laser Melting of Single Track on Ti-6Al-4V Powder: Experimentation and Finite Element Analysis. Arabian Journal for Science and Engineering, 2020, 45, 1173-1180.	3.0	14
12	Epitaxial growth of magnesia and spinel on sapphire during incongruent reduction in molten magnesium. Journal of Materials Research, 1999, 14, 3312-3318.	2.6	12
13	Thermodynamic stabilization of nanocrystalline aluminum. Journal of Materials Science, 2021, 56, 14611-14623.	3.7	12
14	The non-steady-state growth of divergent pearlite in Fe-C-Mn steels: a phase-field investigation. Journal of Materials Science, 2020, 55, 5280-5295.	3.7	9
15	A Brief Review on Factors Affecting the Tribological Interaction between Human Skin and Different Textile Materials. Materials, 2022, 15, 2184.	2.9	8
16	Tribocorrosion Behavior of Inconel 718 Fabricated by Laser Powder Bed Fusion-Based Additive Manufacturing. Coatings, 2021, 11, 195.	2.6	7
17	Characterization and Corrosion Behavior Evaluation of Nanostructured TiO ₂ and Al ₂ O ₃ -13Åwt.%TiO ₂ Coatings on Aluminum Alloy Prepared via High-Velocity Oxy-Fuel Spray. Journal of Materials Engineering and Performance, 2021, 30, 1356-1370.	2.5	6
18	Alternative Magnesium Calcium Oxide Gate Dielectric for Silicon Carbide MOS Application. Materials Research Society Symposia Proceedings, 2006, 911, 3.	0.1	5

#	ARTICLE	IF	CITATIONS
19	The Interaction of Point Defects with Stress Fields Generated by Persistent Slip Bands in Face-Centered Cubic Nickel. <i>Advanced Engineering Materials</i> , 2020, 22, 2000490.	3.5	2
20	Reduction in Stress Intensity Factor of a Compact Tension Specimen by Bonding Symmetrical GFRP Patches. <i>Journal of the Institution of Engineers (India): Series C</i> , 2013, 94, 239-244.	1.2	1
21	Very Hard Corrosion-Resistant Roll-Bonded Cr Coating on Mild Steel in Presence of Graphite. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 5885-5896.	2.5	0