

Harpreet Singh

List of Publications by Year in descending order

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Version: 2024-02-01

269
papers

8,249
citations

44069

48
h-index

76900

74
g-index

285
all docs

285
docs citations

285
times ranked

9495
citing authors

#	ARTICLE	IF	CITATIONS
1	ProPred1: prediction of promiscuous MHC Class-I binding sites. <i>Bioinformatics</i> , 2003, 19, 1009-1014.	4.1	408
2	Analysis of the Association Between Adverse Events and Outcome in Patients Receiving a Programmed Death Protein 1 or Programmed Death Ligand 1 Antibody. <i>Journal of Clinical Oncology</i> , 2019, 37, 2730-2737.	1.6	213
3	MHCBN: a comprehensive database of MHC binding and non-binding peptides. <i>Bioinformatics</i> , 2003, 19, 665-666.	4.1	191
4	mitoBK _{Ca} is encoded by the <i>Kcnma1</i> gene, and a splicing sequence defines its mitochondrial location. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 10836-10841.	7.1	180
5	Skeletal muscle action of estrogen receptor $\hat{\pm}$ is critical for the maintenance of mitochondrial function and metabolic homeostasis in females. <i>Science Translational Medicine</i> , 2016, 8, 334ra54.	12.4	174
6	A review on alloy design, biological response, and strengthening of $\hat{1}^2$ -titanium alloys as biomaterials. <i>Materials Science and Engineering C</i> , 2021, 121, 111661.	7.3	171
7	Healthcare workers & SARS-CoV-2 infection in India: A case-control investigation in the time of COVID-19. <i>Indian Journal of Medical Research</i> , 2020, 151, 459.	1.0	171
8	Slurry erosion behaviour of HVOF sprayed WC \hat{e} 10Co \hat{e} 4Cr and Al ₂ O ₃ +13TiO ₂ coatings on a turbine steel. <i>Wear</i> , 2012, 289, 46-57.	3.1	151
9	Early gestational mesenchymal stem cell secretome attenuates experimental bronchopulmonary dysplasia in part via exosome-associated factor TSG-6. <i>Stem Cell Research and Therapy</i> , 2018, 9, 173.	5.5	133
10	Some studies on hot corrosion performance of plasma sprayed coatings on a Fe-based superalloy. <i>Surface and Coatings Technology</i> , 2005, 192, 27-38.	4.8	122
11	Intracellular BK _{Ca} (iBK _{Ca}) channels. <i>Journal of Physiology</i> , 2012, 590, 5937-5947.	2.9	117
12	Accelerated hot corrosion studies of cold spray Ni \hat{e} 50Cr coating on boiler steels. <i>Materials & Design</i> , 2010, 31, 244-253.	5.1	106
13	Metallurgical principles of cryogenically treated tool steels \hat{e} a review on the current state of science. <i>International Journal of Advanced Manufacturing Technology</i> , 2011, 54, 59-82.	3.0	103
14	Cryoprocessing of cutting tool materials \hat{e} a review. <i>International Journal of Advanced Manufacturing Technology</i> , 2010, 48, 175-192.	3.0	101
15	A damage evolution study of E-glass/epoxy composite under low velocity impact. <i>Composites Part B: Engineering</i> , 2015, 76, 235-248.	12.0	97
16	Investigation on wear behaviour of cryogenically treated TiAlN coated tungsten carbide inserts in turning. <i>International Journal of Machine Tools and Manufacture</i> , 2011, 51, 25-33.	13.4	96
17	High Fat Diet Upregulates Fatty Acid Oxidation and Ketogenesis via Intervention of PPAR- $\hat{1}^3$. <i>Cellular Physiology and Biochemistry</i> , 2018, 48, 1317-1331.	1.6	95
18	Wear behaviour of cryogenically treated tungsten carbide inserts under dry and wet turning conditions. <i>International Journal of Machine Tools and Manufacture</i> , 2009, 49, 256-260.	13.4	94

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19	Redox Regulation of CLIC1 by Cysteine Residues Associated with the Putative Channel Pore. <i>Biophysical Journal</i> , 2006, 90, 1628-1638.	0.5	89
20	Metallurgical and mechanical characteristics of cryogenically treated tungsten carbide (WC-Co). <i>International Journal of Advanced Manufacturing Technology</i> , 2012, 58, 119-131.	3.0	89
21	High-temperature oxidation studies of cold-sprayed Ni-20Cr and Ni-50Cr coatings on SAE 213-T22 boiler steel. <i>Applied Surface Science</i> , 2009, 255, 6862-6869.	6.1	87
22	Surface engineering analysis of detonation-gun sprayed Cr ₃ C ₂ -NiCr coating under high-temperature oxidation and oxidation-erosion environments. <i>Surface and Coatings Technology</i> , 2011, 206, 530-541.	4.8	86
23	National Burden Estimates of healthy life lost in India, 2017: an analysis using direct mortality data and indirect disability data. <i>The Lancet Global Health</i> , 2019, 7, e1675-e1684.	6.3	80
24	MaxiK channel and cell signalling. <i>Pflugers Archiv European Journal of Physiology</i> , 2014, 466, 875-886.	2.8	77
25	FDA analyses of survival in older adults with metastatic non-small cell lung cancer in controlled trials of PD-1/PD-L1 blocking antibodies. <i>Seminars in Oncology</i> , 2018, 45, 220-225.	2.2	77
26	Parametric Study of Slurry-Erosion of Hydroturbine Steels with and without Detonation Gun Spray Coatings using Taguchi Technique. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 3387-3401.	2.2	76
27	U.S. Food and Drug Administration Approval: Neratinib for the Extended Adjuvant Treatment of Early-Stage HER2-Positive Breast Cancer. <i>Clinical Cancer Research</i> , 2018, 24, 3486-3491.	7.0	75
28	Establishing antimicrobial resistance surveillance & Research network in India: Journey so far. <i>Indian Journal of Medical Research</i> , 2019, 149, 164.	1.0	75
29	Two decades with dimorphic Chloride Intracellular Channels (CLICs). <i>FEBS Letters</i> , 2010, 584, 2112-2121.	2.8	73
30	Intracellular Chloride Channels: Novel Biomarkers in Diseases. <i>Frontiers in Physiology</i> , 2020, 11, 96.	2.8	72
31	CLIC4 (p64H1) and its putative transmembrane domain form poorly selective, redox-regulated ion channels. <i>Molecular Membrane Biology</i> , 2007, 24, 41-52.	2.0	71
32	Effect of Cryogenic Treatment on AISI M2 High Speed Steel: Metallurgical and Mechanical Characterization. <i>Journal of Materials Engineering and Performance</i> , 2012, 21, 1320-1326.	2.5	71
33	High-Temperature Corrosion Studies of HVOF-Sprayed Cr ₃ C ₂ -NiCr Coating on SAE-347H Boiler Steel. <i>Journal of Thermal Spray Technology</i> , 2009, 18, 619-632.	3.1	69
34	Modeling damage induced plasticity for low velocity impact simulation of three dimensional fiber reinforced composite. <i>Composite Structures</i> , 2015, 131, 290-303.	5.8	65
35	Success stories of natural product-based hybrid molecules for multi-factorial diseases. <i>European Journal of Medicinal Chemistry</i> , 2018, 151, 62-97.	5.5	65
36	Anion Channels of Mitochondria. <i>Handbook of Experimental Pharmacology</i> , 2016, 240, 71-101.	1.8	64

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37	Molecular identity of cardiac mitochondrial chloride intracellular channel proteins. <i>Mitochondrion</i> , 2016, 27, 6-14.	3.4	64
38	Laboratory surveillance for SARS-CoV-2 in India: Performance of testing & descriptive epidemiology of detected COVID-19, January 22 - April 30, 2020. <i>Indian Journal of Medical Research</i> , 2020, 151, 424.	1.0	64
39	Molecular docking, QSAR and ADMET studies of withanolide analogs against breast cancer. <i>Drug Design, Development and Therapy</i> , 2017, Volume 11, 1859-1870.	4.3	61
40	The Poorest of Poor Suffer the Greatest Burden From Smokeless Tobacco Use: A Study From 140 Countries. <i>Nicotine and Tobacco Research</i> , 2018, 20, 1529-1532.	2.6	61
41	G Protein-Coupled Estrogen Receptor 1 Mediates Acute Estrogen-Induced Cardioprotection via MEK/ERK/GSK-3 β Pathway after Ischemia/Reperfusion. <i>PLoS ONE</i> , 2015, 10, e0135988.	2.5	60
42	Flank Wear and Machining Performance of Cryogenically Treated Tungsten Carbide Inserts. <i>Materials and Manufacturing Processes</i> , 2011, 26, 1430-1441.	4.7	59
43	Visualization and quantification of cardiac mitochondrial protein clusters with STED microscopy. <i>Mitochondrion</i> , 2012, 12, 230-236.	3.4	58
44	Slurry Erosive Wear Evaluation of HVOF-Spray Cr ₂ O ₃ Coating on Some Turbine Steels. <i>Journal of Thermal Spray Technology</i> , 2012, 21, 838-851.	3.1	54
45	Investigations on the Behavior of HVOF and Cold Sprayed Ni-20Cr Coating on T22 Boiler Steel in Actual Boiler Environment. <i>Journal of Thermal Spray Technology</i> , 2012, 21, 144-158.	3.1	53
46	Processing, microstructural evolution and strength properties of in-situ magnesium matrix composites containing nano-sized polymer derived SiCNO particles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 685, 429-438.	5.6	53
47	Use of PRO Measures to Inform Tolerability in Oncology Trials: Implications for Clinical Review, IND Safety Reporting, and Clinical Site Inspections. <i>Clinical Cancer Research</i> , 2018, 24, 1780-1784.	7.0	53
48	High Temperature Corrosion Behavior of Cold Spray Ni-20Cr Coating on Boiler Steel in Molten Salt Environment at 900 ^\circ C. <i>Journal of Thermal Spray Technology</i> , 2010, 19, 110-118.	3.1	52
49	Friction characteristics of a brake friction material under different braking conditions. <i>Materials & Design</i> , 2013, 52, 533-540.	5.1	52
50	Genetic Strain and Sex Differences in a Hyperoxia-Induced Mouse Model of Varying Severity of Bronchopulmonary Dysplasia. <i>American Journal of Pathology</i> , 2019, 189, 999-1014.	3.8	49
51	High-Temperature Behavior of a High-Velocity Oxy-Fuel Sprayed Cr ₃ C ₂ -NiCr Coating. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 2979-2993.	2.2	48
52	Enrollment of older adults on oncology trials: An FDA perspective. <i>Journal of Geriatric Oncology</i> , 2017, 8, 149-150.	1.0	47
53	Study of mechanical properties and high temperature oxidation behavior of a novel cold-spray Ni-20Cr coating on boiler steels. <i>Applied Surface Science</i> , 2015, 328, 13-25.	6.1	46
54	Production of starch-gel digesting amyloglucosidase by <i>Aspergillus oryzae</i> HS-3 in solid state fermentation. <i>Process Biochemistry</i> , 2001, 37, 453-459.	3.7	45

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55	A survey of the literature on the use of high velocity oxy-fuel spray technology for high temperature corrosion and erosion-corrosion resistant coatings. <i>Anti-Corrosion Methods and Materials</i> , 2008, 55, 86-96.	1.5	43
56	Microstructural evolution and strengthening behavior in in-situ magnesium matrix composites fabricated by solidification processing. <i>Materials Chemistry and Physics</i> , 2017, 194, 65-76.	4.0	43
57	U.S. Food and Drug Administration Approval: Cabozantinib for the Treatment of Advanced Renal Cell Carcinoma. <i>Clinical Cancer Research</i> , 2017, 23, 330-335.	7.0	43
58	Slurry Erosion Behavior of HVOF-Sprayed WC-10Co-4Cr Coated SS 316 Steel with and Without PTFE Modification. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 1448-1465.	3.1	43
59	Review of materials used in laser-aided additive manufacturing processes to produce metallic products. <i>Frontiers of Mechanical Engineering</i> , 2019, 14, 282-298.	4.3	42
60	ABCC6 Localizes to the Mitochondria-Associated Membrane. <i>Circulation Research</i> , 2012, 111, 516-520.	4.5	41
61	Genomic profiling of antimicrobial resistance genes in clinical isolates of Salmonella Typhi from patients infected with Typhoid fever in India. <i>Scientific Reports</i> , 2020, 10, 8299.	3.3	41
62	Performance of cold sprayed Ni based coatings in actual boiler environment. <i>Surface and Coatings Technology</i> , 2017, 318, 50-61.	4.8	40
63	Slurry Erosion Performance Study of Detonation Gun-Sprayed WC-10Co-4Cr Coatings on CF8M Steel Under Hydro-Accelerated Conditions. <i>Journal of Thermal Spray Technology</i> , 2012, 21, 1054-1064.	3.1	39
64	Analytical modeling of low velocity large mass impact on composite plate including damage evolution. <i>Composite Structures</i> , 2016, 149, 79-92.	5.8	38
65	Three Decades of Chloride Intracellular Channel Proteins: From Organelle to Organ Physiology. <i>Current Protocols in Pharmacology</i> , 2018, 80, 11.21.1-11.21.17.	4.0	38
66	AMR-Diag: Neural network based genotype-to-phenotype prediction of resistance towards β -lactams in Escherichia coli and Klebsiella pneumoniae. <i>Computational and Structural Biotechnology Journal</i> , 2021, 19, 1896-1906.	4.1	38
67	Some Observations on Microstructural Changes in a Mg-Based AE42 Alloy Subjected to Friction Stir Processing. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2012, 43, 92-108.	2.1	37
68	Development of thick copper claddings on SS316L steel for In-vessel components of fusion reactors and copper-cast iron canisters. <i>Fusion Engineering and Design</i> , 2018, 128, 126-137.	1.9	36
69	Expression and Activation of BKCa Channels in Mice Protects Against Ischemia-Reperfusion Injury of Isolated Hearts by Modulating Mitochondrial Function. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 194.	2.4	35
70	Biocompatible High Entropy Alloys with Excellent Degradation Resistance in a Simulated Physiological Environment. <i>ACS Applied Bio Materials</i> , 2020, 3, 8890-8900.	4.6	35
71	Gut bacterial peptides with autoimmunity potential as environmental trigger for late onset complex diseases: In-silico study. <i>PLoS ONE</i> , 2017, 12, e0180518.	2.5	35
72	Characterization and High-Temperature Oxidation Behavior of Cold-Sprayed Ni-20Cr and Ni-50Cr Coatings on Boiler Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2011, 42, 3399-3416.	2.2	34

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73	Slurry Erosion Behaviour of Detonation Gun Spray Al ₂ O ₃ and Al ₂ O ₃ –13TiO ₂ -Coated CF8M Steel Under Hydro Accelerated Conditions. Tribology Letters, 2012, 45, 319-331.	2.6	34
74	Selective chemosensing of spermidine based on fluorescent organic nanoparticles in aqueous media via a Fe ³⁺ displacement assay. New Journal of Chemistry, 2015, 39, 3507-3512.	2.8	34
75	Patient reported outcomes in anti-PD-1/PD-L1 inhibitor immunotherapy registration trials: FDA analysis of data submitted and future directions. Clinical Trials, 2019, 16, 322-326.	1.6	34
76	Kinases inhibitors in lung cancer: From benchside to bedside. Biochimica Et Biophysica Acta: Reviews on Cancer, 2016, 1866, 128-140.	7.4	33
77	Enhancing Biocompatibility and Corrosion Resistance of Ti-6Al-4V Alloy by Surface Modification Route. Journal of Thermal Spray Technology, 2018, 27, 1388-1400.	3.1	33
78	Comprehensive Echocardiographic Assessment of the Right Ventricle in Murine Models. Journal of Cardiovascular Imaging, 2016, 24, 229.	0.8	32
79	Activation Energy and High Temperature Oxidation Behavior of Multi-Principal Element Alloy. Advanced Engineering Materials, 2017, 19, 1700182.	3.5	32
80	BKCa Channels as Targets for Cardioprotection. Antioxidants, 2020, 9, 760.	5.1	32
81	Hot Corrosion Behaviour of Plasma Sprayed Coatings on a Ni-based Superalloy in Na ₂ SO ₄ -60%V ₂ O ₅ Environment. ISIJ International, 2005, 45, 886-895.	1.4	31
82	Identification and characterization of immunodominant B-cell epitope of the C-terminus of protective antigen of Bacillus anthracis. Molecular Immunology, 2009, 46, 2107-2115.	2.2	31
83	Preparation and coating of nano-ceramic on orthopaedic implant material using electrostatic spray deposition. Materials and Design, 2015, 88, 278-286.	7.0	31
84	Correlation between microstructure and wear behavior of AZX915 Mg-alloy reinforced with 12 wt% TiC particles by stir-casting process. Journal of Magnesium and Alloys, 2016, 4, 306-313.	11.9	31
85	Studies of the benzopyran class of selective COX-2 inhibitors using 3D-QSAR and molecular docking. Archives of Pharmacal Research, 2018, 41, 1178-1189.	6.3	31
86	Influence of Cold Spray Parameters on Bonding Mechanisms: A Review. Metals, 2021, 11, 2016.	2.3	31
87	Adaptive neuro-fuzzy inference system modeling of cryogenically treated AISI M2 HSS turning tool for estimation of flank wear. Expert Systems With Applications, 2012, 39, 4171-4180.	7.6	30
88	Comparative High-Temperature Corrosion Behavior of Ni-20Cr Coatings on T22 Boiler Steel Produced by HVOF, D-Gun, and Cold Spraying. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 395-410.	2.2	30
89	High temperature corrosion behaviour of some Fe-, Co- and Ni-base superalloys in the presence of Y ₂ O ₃ as inhibitor. Applied Surface Science, 2009, 255, 7062-7069.	6.1	29
90	Erosive Wear Study of HVOF Spray Cr ₃ C ₂ -NiCr Coated CA6NM Turbine Steel. Journal of Tribology, 2014, 136, .	1.9	29

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91	MicroRNA-34a Promotes Endothelial Dysfunction and Mitochondrial-mediated Apoptosis in Murine Models of Acute Lung Injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 465-477.	2.9	29
92	Studies of plasma spray coatings on a Fe-Cr base superalloy, their structure and high temperature oxidation behaviour. <i>Anti-Corrosion Methods and Materials</i> , 2005, 52, 84-95.	1.5	28
93	Salen decorated nanostructured ZnO chemosensor for the detection of mercuric ions (Hg ²⁺). <i>Sensors and Actuators B: Chemical</i> , 2016, 232, 712-721.	7.8	28
94	High-Temperature Exposure Studies of HVOF-Sprayed Cr ₃ C ₂ -25(NiCr)/(WC-Co) Coating. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 1192-1207.	3.1	28
95	Atomic-level finishing of aluminum alloy by chemo-mechanical magneto-rheological finishing (CMMRF) for optical applications. <i>Journal of Manufacturing Processes</i> , 2018, 32, 635-643.	5.9	28
96	Enhanced Biocorrosion Resistance and Cellular Response of a Dual-Phase High Entropy Alloy through Reduced Elemental Heterogeneity. <i>ACS Applied Bio Materials</i> , 2020, 3, 1233-1244.	4.6	28
97	Wear and oxidation behaviour of shrouded plasma sprayed fly ash coatings. <i>Tribology International</i> , 2007, 40, 800-808.	5.9	27
98	Characterization, Corrosion Resistance, and Cell Response of High-Velocity Flame-Sprayed HA and HA/TiO ₂ Coatings on 316L SS. <i>Journal of Thermal Spray Technology</i> , 2012, 21, 917-927.	3.1	27
99	Blinding and Patient-Reported Outcome Completion Rates in US Food and Drug Administration Cancer Trial Submissions, 2007-2017. <i>Journal of the National Cancer Institute</i> , 2019, 111, 459-464.	6.3	27
100	Novel biomarkers of bronchopulmonary dysplasia and bronchopulmonary dysplasia-associated pulmonary hypertension. <i>Journal of Perinatology</i> , 2020, 40, 1634-1643.	2.0	27
101	Erosion-corrosion behavior of cold-spray nanostructured Ni-Cr coatings in actual boiler environment. <i>Wear</i> , 2015, 332-333, 1035-1043.	3.1	26
102	Signature of genetic associations in oral cancer. <i>Tumor Biology</i> , 2017, 39, 101042831772592.	1.8	26
103	Constructing valid density matrices on an NMR quantum information processor via maximum likelihood estimation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 3051-3056.	2.1	25
104	Effect of substrate surface roughness on properties of cold-sprayed copper coatings on SS316L steel. <i>Surface and Coatings Technology</i> , 2020, 389, 125619.	4.8	24
105	Production of Nanocrystalline Ni-20Cr Coatings for High-Temperature Applications. <i>Journal of Thermal Spray Technology</i> , 2014, 23, 692-707.	3.1	23
106	Characterization and In Vitro Corrosion Investigations of Thermal Sprayed Hydroxyapatite and Hydroxyapatite-Titania Coatings on Ti Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012, 43, 4365-4376.	2.2	22
107	Microstructural evolution of die-cast and homogenized AZ91 Mg-alloys during dry sliding condition. <i>Journal of Magnesium and Alloys</i> , 2017, 5, 35-40.	11.9	22
108	Reduced order multiscale modeling of fiber reinforced polymer composites including plasticity and damage. <i>Mechanics of Materials</i> , 2017, 111, 35-56.	3.2	22

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109	Predicting risk of low birth weight offspring from maternal features and blood polycyclic aromatic hydrocarbon concentration. <i>Reproductive Toxicology</i> , 2020, 94, 92-100.	2.9	22
110	Insights on inhibition of Plasmodium falciparum plasmepsin I by novel epoxyazadiradione derivatives – molecular docking and comparative molecular field analysis. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 3168-3182.	3.5	21
111	Cardiac ischemia/reperfusion stress reduces inner mitochondrial membrane protein (mitofilin) levels during early reperfusion. <i>Free Radical Biology and Medicine</i> , 2020, 158, 181-194.	2.9	21
112	Human Cardiac Progenitor Cells Enhance Exosome Release and Promote Angiogenesis Under Physoxia. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 130.	3.7	21
113	Cavitation erosion resistant nickel-based cermet coatings for monel K-500. <i>Tribology International</i> , 2021, 159, 106954.	5.9	21
114	Identification of group specific motifs in Beta-lactamase family of proteins. <i>Journal of Biomedical Science</i> , 2009, 16, 109.	7.0	20
115	Data supporting characterization of CLIC1, CLIC4, CLIC5 and DmCLIC antibodies and localization of CLICs in endoplasmic reticulum of cardiomyocytes. <i>Data in Brief</i> , 2016, 7, 1038-1044.	1.0	20
116	Evolution of tripartite entangled states in a decohering environment and their experimental protection using dynamical decoupling. <i>Physical Review A</i> , 2018, 97, .	2.5	20
117	Characterization and Accelerated Erosion Testing of WC-Co-Cr- and CoNiCrAlY-Coated CA6NM Turbine Steel. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 1363-1378.	3.1	20
118	Cyclic Oxidation Behavior of Some Plasma-Sprayed Coatings in Na ₂ SO ₄ -60%V ₂ O ₅ Environment. <i>Journal of Materials Engineering and Performance</i> , 2006, 15, 729-741.	2.5	19
119	A framework for effective and clean conversion of machining waste into metal powder feedstock for additive manufacturing. <i>Cleaner Engineering and Technology</i> , 2021, 4, 100151.	4.0	19
120	Smokeless Tobacco Use Among Adolescents in Global Perspective. <i>Nicotine and Tobacco Research</i> , 2017, 19, 1395-1396.	2.6	18
121	Identification and Characterization of a Bacterial Homolog of Chloride Intracellular Channel (CLIC) Protein. <i>Scientific Reports</i> , 2017, 7, 8500.	3.3	18
122	Experimental characterization of spin- 32 silicon vacancy centers in 6H -SiC. <i>Physical Review B</i> , 2020, 101, .	3.2	18
123	Development of magnesium-based hybrid metal matrix composite through in situ micro, nano reinforcements. <i>Journal of Composite Materials</i> , 2021, 55, 109-123.	2.4	18
124	Effect of additions of TiC and Re on high temperature corrosion performance of cold sprayed Ni-20Cr coatings. <i>Surface and Coatings Technology</i> , 2015, 280, 50-63.	4.8	17
125	Inhibition of BK _{Ca} negatively alters cardiovascular function. <i>Physiological Reports</i> , 2018, 6, e13748.	1.7	17
126	Computational screening of potential drug targets for pathogens causing bacterial pneumonia. <i>Microbial Pathogenesis</i> , 2019, 130, 271-282.	2.9	17

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127	Insights Into the Role of Mitochondrial Ion Channels in Inflammatory Response. <i>Frontiers in Physiology</i> , 2020, 11, 258.	2.8	17
128	AN INVESTIGATION ON FLANK WEAR MECHANISM OF TUNGSTEN CARBIDE DRILLS DURING CONVENTIONAL AND MODULATION ASSISTED DRILLING. <i>Machining Science and Technology</i> , 2014, 18, 99-119.	2.5	16
129	Experimental classification of entanglement in arbitrary three-qubit pure states on an NMR quantum information processor. <i>Physical Review A</i> , 2018, 98, .	2.5	16
130	Microstructural evolution and high temperature oxidation characteristics of cold sprayed Ni-20Cr nanostructured alloy coating. <i>Surface and Coatings Technology</i> , 2019, 362, 333-344.	4.8	16
131	Erosion behavior of hydrophobic polytetrafluoroethylene (PTFE) coatings with different thicknesses. <i>Wear</i> , 2020, 456-457, 203340.	3.1	16
132	Buckling analysis of thin rectangular plates with cutouts subjected to partial edge compression using FEM. <i>Journal of Engineering, Design and Technology</i> , 2012, 10, 128-142.	1.7	15
133	Surface characterization of nanoporous aluminium oxide films synthesized by single-step DC and AC anodization. <i>Surfaces and Interfaces</i> , 2017, 7, 139-145.	3.0	15
134	Effect of electroplated interlayers on properties of cold-sprayed copper coatings on SS316L steel. <i>Surface and Coatings Technology</i> , 2019, 375, 54-65.	4.8	15
135	Microstructural investigations on bonding mechanisms of cold-sprayed copper with SS316L steel. <i>Surface Engineering</i> , 2020, 36, 1067-1080.	2.2	15
136	A hybrid multi-criteria decision approach to analyze key factors affecting sustainability in supply chain networks of manufacturing organizations. <i>Clean Technologies and Environmental Policy</i> , 2020, 22, 1871-1889.	4.1	15
137	Effect of increase in Nano-particle Addition on Mechanical and Microstructural Behaviour of HVOF and Cold-Spray Ni-20Cr Coatings on Boiler Steels. <i>Materials Today: Proceedings</i> , 2020, 21, 2035-2042.	1.8	15
138	Regulation of toxic contents of smokeless tobacco products. <i>Indian Journal of Medical Research</i> , 2018, 148, 14.	1.0	15
139	Characterization of Thermal Sprayed Hydroxyapatite Coatings on Some Biomedical Implant Materials. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2014, 12, 48-56.	1.6	14
140	Electrochemical Sensitive Determination of Nanomolar Guanine from ZnO Nanorods Coated on Platinum Electrode. <i>Electroanalysis</i> , 2015, 27, 2537-2543.	2.9	14
141	Regulation of Renal Hemodynamics and Function by RGS2. <i>PLoS ONE</i> , 2015, 10, e0132594.	2.5	14
142	ZnO decorated with organic nanoparticles based sensor for the ratiometric selective determination of mercury ions. <i>New Journal of Chemistry</i> , 2016, 40, 1529-1534.	2.8	14
143	Experimentally freezing quantum discord in a dephasing environment using dynamical decoupling. <i>Europhysics Letters</i> , 2017, 118, 50001.	2.0	14
144	Effect of electroplated interlayers on bonding mechanism of cold-sprayed copper on SS316L steel substrate. <i>Vacuum</i> , 2020, 172, 109092.	3.5	14

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145	Sustainability in manufacturing processes: Finding the environmental impacts of friction stir processing of pure magnesium. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020, 30, 25-35.	4.5	14
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