

A Ullah

List of Publications by Year in descending order

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35
papers

543
citations

623734

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	A hybrid machine learning model for predicting continuous cooling transformation diagrams in welding heat-affected zone of low alloy steels. <i>Journal of Materials Science and Technology</i> , 2022, 107, 207-215.	10.7	22
2	Computational and comparative aspects of two carbon nanosheets with respect to some novel topological indices. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101672.	6.1	33
3	A data-driven machine learning approach to predict the hardenability curve of boron steels and assist alloy design. <i>Journal of Materials Science</i> , 2022, 57, 10755-10768.	3.7	15
4	Percentage Incidences of Bacteria in Mahseer (<i>Tor putitora</i>), Silver carp (<i>Hypophthalmichthys</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Khyber Pakhtunkhwa, Pakistan. <i>Brazilian Journal of Biology</i> , 2022, 84, e251747.	0.9	1
5	Minimum Zagreb Eccentricity Indices of Two-Mode Network with Applications in Boiling Point and Benzenoid Hydrocarbons. <i>Mathematics</i> , 2022, 10, 1393.	2.2	24
6	Prediction of Hardenability Curves for Non-Boron Steels via a Combined Machine Learning Model. <i>Materials</i> , 2022, 15, 3127.	2.9	6
7	A new perspective on the modeling and topological characterization of H-Naphtalenic nanosheets with applications. <i>Journal of Molecular Modeling</i> , 2022, 28, .	1.8	29
8	Learning-detailed 3D face reconstruction based on convolutional neural networks from a single image. <i>Neural Computing and Applications</i> , 2021, 33, 5951-5964.	5.6	7
9	Electronic Guidance Cane for Users Having Partial Vision Loss Disability. <i>Wireless Communications and Mobile Computing</i> , 2021, 2021, 1-15.	1.2	4
10	Study on time-temperature-transformation diagrams of stainless steel using machine-learning approach. <i>Computational Materials Science</i> , 2020, 171, 109282.	3.0	25
11	Dissolution Behavior and Kinetics of γ Phase During Solution Treatment in Powder Metallurgy Nickel-Based Superalloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 1075-1084.	2.2	14
12	A combined machine learning model for the prediction of time-temperature-transformation diagrams of high-alloy steels. <i>Journal of Alloys and Compounds</i> , 2020, 823, 153694.	5.5	23
13	Prediction of Continuous Cooling Transformation Diagrams for Ni-Cr-Mo Welding Steels via Machine Learning Approaches. <i>Jom</i> , 2020, 72, 3926-3934.	1.9	14
14	Modulating the photo-active anatase TiO_2 by cationic co-dopants: A case of iron and lanthanum. <i>Materials Research Express</i> , 2019, 6, 065503.	1.6	1
15	An approximate analytical solution of the Allen-Cahn equation using homotopy perturbation method and homotopy analysis method. <i>Heliyon</i> , 2019, 5, e03060.	3.2	18
16	Evaluation of topology-dependent growth rate equations of three-dimensional grains using realistic microstructure simulations. <i>Materials Research Express</i> , 2019, 6, 026523.	1.6	7
17	Precursor-induced template free hydrothermal synthesis of faujasite and its application in catalytic pyrolysis. <i>Materials Research Express</i> , 2017, 4, 055009.	1.6	5
18	Enhancing the photoactivity of TiO_2 by codoping with silver and molybdenum: the effect of dopant concentration on the photoelectrochemical properties. <i>Materials Research Express</i> , 2017, 4, 045023.	1.6	10

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19	Simulations of grain growth in realistic 3D polycrystalline microstructures and the MacPherson-Srolovitz equation. <i>Materials Research Express</i> , 2017, 4, 066502.	1.6	7
20	Effect of impact force on Ti-10Mo alloy powder compaction by high velocity compaction technique. <i>Materials & Design</i> , 2014, 54, 149-153.	5.1	14
21	Three-dimensional visualization and quantitative characterization of grains in polycrystalline iron. <i>Materials Characterization</i> , 2014, 91, 65-75.	4.4	27
22	Advancement in the photocatalytic properties of TiO ₂ by vanadium and yttrium codoping: Effect of impurity concentration on the photocatalytic activity. <i>Separation and Purification Technology</i> , 2014, 130, 15-18.	7.9	15
23	Effect of Ag doping concentration on the electronic and optical properties of anatase TiO ₂ : a DFT-based theoretical study. <i>Research on Chemical Intermediates</i> , 2013, 39, 1633-1644.	2.7	20
24	Neighborhood topological effect on grain topology-size relationship in three-dimensional polycrystalline microstructures. <i>Science Bulletin</i> , 2013, 58, 3704-3708.	1.7	8
25	Ab-initio calculations of synergistic chromium-nitrogen codoping effects on the electronic and optical properties of anatase TiO ₂ . <i>Vacuum</i> , 2013, 92, 32-38.	3.5	27
26	Effect of V and Ta on the precipitation behavior of 12%Cr reduced activation ferrite/martensite steel. <i>Materials Characterization</i> , 2013, 82, 130-139.	4.4	22
27	Optimal approach of three-dimensional microstructure reconstructions and visualizations. <i>Materials Express</i> , 2013, 3, 109-118.	0.5	18
28	Topological correlations of grain faces in polycrystal with experimental verification. <i>Europhysics Letters</i> , 2013, 104, 56006.	2.0	4
29	Topological correlations of three-dimensional grains. <i>Applied Physics Letters</i> , 2012, 101, 041910.	3.3	14
30	A note on grain topology-size relationship of three-dimensional polycrystalline microstructures. <i>Europhysics Letters</i> , 2012, 99, 28001.	2.0	4
31	A comparative study on Arrhenius-type constitutive equations and artificial neural network model to predict high-temperature deformation behaviour in 12Cr3WV steel. <i>Computational Materials Science</i> , 2012, 62, 227-234.	3.0	72
32	Synthesis of novel clinopinacoid structure of stannous oxide and hydrogen absorption characteristics. <i>Materials Letters</i> , 2012, 78, 50-53.	2.6	13
33	On the sampling of three-dimensional polycrystalline microstructures for distribution determination. <i>Journal of Microscopy</i> , 2011, 244, 214-222.	1.8	16
34	Teaching 'The Outline of China' Course to the Foreign Students Using Moodle. <i>Advances in Intelligent and Soft Computing</i> , 2011, , 229-236.	0.2	1
35	Analysis of Density and Mechanical Properties of Iron Powder with Upper Relaxation Assist through High Velocity Compaction. <i>Materials Science Forum</i> , 0, 749, 41-46.	0.3	3