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SN	Authors	Article Title	Source Title	PDate	PYear	Vol.	Issue	SPage	EPage
1	Abhilash; Agarwal, H; Meshram, P; Meshram, RB; Jha, S; Patel, JN; Soni, M; Rokkam, K; Mashruwala, S	Green process for recovery of vanadium from hazardous spent contact process catalyst by oxalic acid: kinetics and mechanism	SEPARATION SCIENCE AND TECHNOLOGY	DEC 12	2021	56	18	3183	3200
2	Abhilash; Hedrich, S; Schippers, A	Distribution of scandium in red mud and extraction using Gluconobacter oxydans	HYDROMETALLURGY	AUG	2021	203			
3	Abhilash; Tabassum, Shirin; Ghosh, Anirban; Meshram, Pratima; van Hullebusch, Eric	Microbial Processing of Waste Shredded PCBs for Copper Extraction Cum Separation—Comparing the Efficacy of Bacterial and Fungal Leaching Kinetics and Yields.	METALS		2021	11	2	317	
4	Abhilash; Usha, Y; Seetharaman, K; Meshram, P; Mehta, KD; Pandey, BD	Application of Hydrodynamics Using CFD in Evaluating Efficacy of External Loop Air-lift Reactor Biochemical Leaching of Sea Nodules	MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW		2021				
5	Adeleke, AA; Odusote, JK; Ikubanni, PP; Orhadahwe, TA; Lasode, OA; Ammasi, A; Kumar, K	Ash analyses of bio-coal briquettes produced using blended binder	SCIENTIFIC REPORTS	JAN 12	2021	11	1		
6	Akcil, A; Ibrahim, YA; Meshram, P; Panda, S; Abhilashb	Hydrometallurgical recycling strategies for recovery of rare earth elements from consumer electronic scraps: a review	JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY	JUL	2021	96	7	1785	1797
7	Akhtar, MN; Khan, M; Khan, SA; Afzal, A; Subbiah, R; Ahmad, SN; Husain, M; Butt, MM; Othman, AR; Abu Bakar, E	Determination of Non-Recrystallization Temperature for Niobium Microalloyed Steel	MATERIALS	MAY	2021	14	10	2639	
8	Alex, TC; Mucsi, G; Venugopalan, T; Kumar, S	BOF Steel Slag: Critical Assessment and Integrated Approach for Utilization	JOURNAL OF SUSTAINABLE METALLURGY		2021				
9	Al-Negheimish, A; Hussain, RR; Alhozaimy, A; Singh, DDN	Corrosion performance of hot-dip galvanized zinc-aluminum coated steel rebars in comparison to the conventional pure zinc coated rebars in concrete environment	CONSTRUCTION AND BUILDING MATERIALS	MAR 8	2021	274		121921	
10	Andavarapu, MR; Vidyadhar, A; Prasad, R	Beneficiation of difficult-to-wash Indian low volatile coking coal fines by Falcon concentrator	INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION		2021				
11	Arif, M; Dey, S; Gond, AK; Zong, KQ; Liu, YS; Mitra, A; Mitra, A; Sarangi, S	Mesoarchean continental intraplate volcanism and sedimentation: The case of the Simlipal basin, Singhbhum Craton, eastern India	PRECAMBRIAN RESEARCH	AUG 1	2021	361			

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12	Ayyandurai, A	Development of synthetic slag for desulphurisation of the steel during steelmaking in induction furnace	ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES		2021				
13	Ayyandurai, A; Pal, J	Blast Furnace Flue Dust as a Potential Carbon Additive in Hematite Ore Pellet	MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW		2021				
14	Bagui, S; Sahu, B P; Laha, K; Tarafder, Soumitra; Mitra, R	Creep Deformation Behavior of Inconel 617 Alloy in the Temperature Range of 650 degrees C to 800 degrees C.	METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE		2021	52	1	94	107
15	Banerjee, R; Mohanty, A; Chakravarty, S; Chakladar, S; Biswas, P	A single-step process to leach out rare earth elements from coal ash using organic carboxylic acids	HYDROMETALLURGY	MAY	2021	201			
16	Bansal, GK; Ghosh, C; Rajinikanth, V; Chowdhury, SG	Effect of Finish Rolling Temperature on Microstructure and Mechanical Properties of Low-Si Steel After Quenching and Nonisothermal Partitioning	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	MAY	2021	74	5	1253	1260
17	Bansal, GK; Tripathy, S; Chandan, AK; Rajinikanth, V; Ghosh, C; Srivastava, VC; Chowdhury, SG	Influence of quenching strategy on phase transformation and mechanical properties of low alloy steel	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	OCT 5	2021	826			
18	Bhuyan, P; Pradhan, SK; Mitra, R; Mandal, S	Strain-induced microstructural evolution and its implication on high-temperature hot corrosion (HTHC) phenomena in Alloy 617	MATERIALS CHARACTERIZATION	AUG	2021	178			
19	Chae, S; Yoo, K; Alorro, RD; Jha, MK	Effect of Lead and Antimony on Sulfuric Acid Leaching of Copper in Speiss from Top Submerged Lance Furnaces	KOREAN JOURNAL OF METALS AND MATERIALS	JAN	2021	59	1	33	40
20	Chakladar, S; Mohanty, Ashok; Patar, P K; Chakravarty, S; Mandal, S; Mallick, S; Jha, B C; Singh, N K; Shukla, B N	Demineralization of high ash non-coking coal fines of Indian origin using Castor oil: Implications of wet milling	INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION		2021				
21	Chakrabarty, A; Sahu, VK; Das, A; Mukherjee, S; Gurao, NP; Chakraborty, P; Bar, HN; Khutia, N	Study of the Effect of Two Separate Tilt Angles of Laser Scanning Lines on the Microstructure and Mechanical Properties in Direct Metal Laser Sintered AlSi10Mg Alloy	METALS AND MATERIALS INTERNATIONAL		2021				
22	Chakraborty, J	Lattice expansion and phase stability in nanocrystalline titanium thin films	PHILOSOPHICAL MAGAZINE LETTERS	AUG 3	2021	101	8	330	340

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23	Chakraborty, J; Harzer, TP; Duarte, MJ; Dehm, G	Phase decomposition in nanocrystalline Cr _{0.8} Cu _{0.2} thin films	JOURNAL OF ALLOYS AND COMPOUNDS	DEC 25	2021	888				
24	Chalavadi, G; Singh, RK; Singh, R; Sharma, M; Rath, RK; Mukherjee, AK	Development of Dry Beneficiation Flow Sheet for Fine Coking Coal	INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION	JAN 2	2021	41	1	67	80	
25	Chandan, AK; Hung, PT; Kishore, K; Kawasaki, M; Chakraborty, J; Gubicza, J	On prominent TRIP effect and non-basal slip in a TWIP high entropy alloy during high-pressure torsion processing	MATERIALS CHARACTERIZATION	AUG	2021	178				
26	Chandan, AK; Tripathy, S; Sen, B; Ghosh, M; Chowdhury, SG	Temperature dependent deformation behavior and stacking fault energy of Fe ₄₀ Mn ₄₀ Co ₁₀ Cr ₁₀ alloy	SCRIPTA MATERIALIA	JUL 1	2021	199				
27	Choubey, PK; Dinkar, OS; Panda, R; Kumari, A; Jha, MK; Pathak, DD	Selective extraction and separation of Li, Co and Mn from leach liquor of discarded lithium ion batteries (LIBs)	WASTE MANAGEMENT	FEB 15	2021	121		452	457	
28	Deva, A; Pandey, P; Alam, M S; Sahoo, Biraj K; Kumar, B Ravi; Choudhary, S G; Jha, B K	Processing of Low-Carbon Deep-Drawing Steel with High Plastic Anisotropy Using Two-Stage Batch Annealing Cycle	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE		2021					
29	Dutta, C; Kumar, J; Das, TK; Sagar, SP	Recent Advancements in the Development of Sensors for the Structural Health Monitoring (SHM) at High-Temperature Environment: A Review	IEEE SENSORS JOURNAL	JUL 15	2021	21	14	15904	15916	
30	Dwivedi, A; Kumari, A; Aarthy, M; Singh, SK; Ojha, M; Jha, S; Jha, SK; Jha, NS	Spectroscopic and molecular docking studies for the binding and interaction aspects of curcumin-cysteine conjugate and rosmarinic acid with human telomeric G-quadruplex DNA	INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	JUL 1	2021	182		1463	1472	
31	Ghosh, A; Das, TK; Sharma, AK; Mukherjee, R; Bhushan, A; Sagar, SP	Microwave-assisted infrared thermography: A tool for quality assessment of blast furnace feeds	INFRARED PHYSICS & TECHNOLOGY	MAY	2021	114		103640		
32	Gorja, S Rao and Yagodzinskyy, Y and Que, Z and Spatig, P and Seifert, H-P	Study on hydrogen embrittlement and dynamic strain ageing on low-alloy reactor pressure vessel steels.	JOURNAL OF NUCLEAR MATERIALS	DEC	2021	556		153161		
33	Guguloth, K; Fernando, DC; Paulose, N; Sahu, JK	Evolution of microstructure during tensile creep deformation of nickel-based disk superalloy	INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING		2021	194		104539		
34	Husain, M; Meena, L; Ghosh, M; Prabhu, N	Corrosion at the Weld Nugget of the Friction-Stir-Welded Medium Strength Steel: Effect of Microstructure	METALLURGICAL AND MATERIALS TRANSACTIONS A-PHYSICAL METALLURGY AND MATERIALS SCIENCE	JUN	2021	52	6	2642	2656	

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35	Jena, PSM; Pradhan, SK; Tripathy, S; Mahato, B; Fernando, C; Paulose, N; Sahu, JK	Evolution of geometrically necessary dislocation at the gamma-gamma ' interface and its effect on tensile deformation behaviour of disk super alloy	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	MAR 11	2021	807		140855	
36	Kadgaye, Chetan; Hasan, Sk Md; Patra, Sudipta; Ghosh, M; Nath, S K; Karmakar, Anish	Role of Cerium on Transformation Kinetics and Mechanical Properties of Low Carbon Steels	METALLURGICAL AND MATERIALS TRANSACTIONS A		2021	52	9	3978	3995
37	Kamaraj, A; Tripathy, S; Chalavadi, G; Sahoo, PP; Misra, S	Characterization and Assessment of Mold Flux for Continuous Casting of Liquid Steel Using an Inverse Mold Simulator	STEEL RESEARCH INTERNATIONAL		2021			2100121	
38	Karar, D; Chatterjee, S; Pramanick, AK; Bandyopadhyay, NR; Ray, M	Electrical transport through pelletized tablet of silicene-like quasi 2D crystalline silicon	MATERIALS LETTERS	NOV 15	2021	303		130473	
39	Kaushik, V; Bar, HN; Ghosh, A	Influence of extremely cold environmental conditions on interfacial fracture phenomenon of aerospace grade unidirectional composites	THIN-WALLED STRUCTURES	APR	2021	161		107431	
40	Kishore, K; Kumar, RG; Chandan, AK	Critical assessment of the strain-rate dependent work hardening behaviour of AISI 304 stainless steel	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	JAN 28	2021	803		140675	
41	Kumar, AS; Khadeer, SA; Rajinikanth, V; Pahari, S; Kumar, BR	Evaluation of bond interface characteristics of rotary friction welded carbon steel to low alloy steel pipe joints	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	SEP 8	2021	824		141844	
42	Kumar, S; Kale, RP; Singh, PK; Ghosh, M; Chattopadhyay, J	Fracture toughness behavior of dissimilar metal (SA508 Gr.3 Class 1 and SA312 Type 304LN) weld joint: With and without stress relieving treatment	FATIGUE & FRACTURE OF ENGINEERING MATERIALS & STRUCTURES	SEP	2021	44	9	2462	2474
43	Kumari, A; Tripathy, A; Mandre, NR	Artificial neural network-based sensitivity analysis and experimental investigation of liquid-solid fluidization technique for low-grade coal upgradation	JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY		2021				

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44	Kumari, A; Tripathy, A; Mandre, NR	Multi-response and Misplacement Optimization of Upgrading BMQ Ore in Liquid-Solid Fluidized Bed Separator Using Taguchi-based Grey Relational Analysis	JOURNAL OF SUSTAINABLE METALLURGY	SEP	2021	7	3	1200	1223
45	Kumari, Aarti and Dipali, Jha and Randhawa, N S and Sahu, S K	Electrochemical treatment of spent NdFeB magnet in organic acid for recovery of rare earths and other metal values.	JOURNAL OF CLEANER PRODUCTION		2021	309		127393	
46	Kumari, Aarti; Raj, R; Randhawa, NS; Sahu, SK	Energy efficient process for recovery of rare earths from spent NdFeB magnet by chlorination roasting and water leaching	HYDROMETALLURGY	MAY	2021	201		105581	
47	Kundu, Rajen; De, S	Characterization and analysis of the triglyceride transesterification process	BIOMASS CONVERSION AND BIOREFINERY		2021				
48	Mahato, P; Banerjee, P; Murmu, M; Hirani, H; Murmu, NC; Mishra, SK	Investigation on Multifunctional Properties of Sputtered Ti-Si-B-C Coating with Varied Thickness over Targeted Surface	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	JUN	2021	30	6	4432	4444
49	Meshram, RB; Kumar, S	Comparative life cycle assessment (LCA) of geopolymer cement manufacturing with Portland cement in Indian context	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY		2021				
50	Mishra, A; Dubey, P; Chandra, R; Srivastava, SK	Observation of large exchange bias field in Mn rich NiMnAl Heusler alloy thin film	JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS	AUG 15	2021	532		167964	
51	Mishra, G; Chandan, AK	Effect of cold deformation extent and ART annealing duration on the microstructure and mechanical properties of a medium manganese steel	MATERIALS CHEMISTRY AND PHYSICS	OCT 1	2021	271		124940	
52	Mishra, PR; Sahu, R; Chakravarty, S	Effect of Ash Content on the Pyrolysis of Indian Origin Coal	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	SEP	2021	74	9	2357	2366
53	Mohanty, A; Kumar, S; Tiwari, SK	Assessment of N-(4H-1,2,4-triazol-4-yl)octanamide as hydrochloric acid corrosion inhibitor for mild steel	MATERIALS TODAY COMMUNICATIONS	JUN	2021	27		102439	
54	Murugaiyan, P; Mitra, A; Jena, PSM; Mahato, B; Ghosh, M; Roy, RK; Panda, AK	Grain refinement in Fe-rich FeSiB(P)NbCu nanocomposite alloys through P compositional modulation	MATERIALS LETTERS	JUL 15	2021	295		129852	

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55	Nanda, T; Singh, V; Singh, G; Singh, M; Kumar, BR	Processing routes, resulting microstructures, and strain rate dependent deformation behaviour of advanced high strength steels for automotive applications	ARCHIVES OF CIVIL AND MECHANICAL ENGINEERING	JAN 3	2021	21	1	7	
56	Pal, J; Prasad, D; Venugopalan, T	Modified coke breeze distribution in Iron ore sintering - A novel technique of reducing energy consumption and improving quality	JOURNAL OF MINING AND METALLURGY SECTION B-METALLURGY		2021	57	1	73	82
57	Panda, R; Dinkar, OS; Kumari, A; Gupta, R; Jha, MK; Pathak, DD	Hydrometallurgical processing of waste integrated circuits (ICs) to recover Ag and generate mix concentrate of Au, Pd and Pt	JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY	JAN 25	2021	93		315	321
58	Park, Yujin and Eom, Yuik and Yoo, Kyoungkeun and Jha, Manis K	Leaching of Copper from Waste-Printed Circuit Boards (PCBs) in Sulfate Medium Using Cupric Ion and Oxygen.	METALS		2021	11	9	1369	
59	Pereira, ARM; Hacha, RR; Torem, ML; Merma, AG; Silvas, FPC; Abhilash, A	Direct hematite flotation from an iron ore tailing using an innovative biosurfactant	SEPARATION SCIENCE AND TECHNOLOGY		2021	56	17	2978	2988
60	Poddar, D; Kumar, B Ravi	Effect of thermo-elasto-plastic strain on the mechanism of twin-free microstructure formation in the stainless steel	MATERIALS CHARACTERIZATION	JAN	2021	171		110742	
61	Pradhan, SK; Bhuyan, P; Bairi, LR; Mandal, S	Comprehending the role of individual microstructural features on electrochemical response and passive film behaviour in type 304 austenitic stainless steel	CORROSION SCIENCE	MAR	2021	180		109187	
62	Prasad, S; Kumar, M; Randhawa, NS	Processing of Chromite Overburden by Soda Roasting to Recover Chromium as Sodium Chromate	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	SEP	2021	74	9	2221	2230
63	Rai, RK; Sahu, JK; Paulose, N; Fernando, DC	Tensile deformation micro-mechanisms of a polycrystalline nickel base superalloy: From jerky flow to softening	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	MAR 11	2021	807		140905	
64	Rajinikanth, V; Soni, MK; Mahato, B; Rao, MA	Microstructural investigation of rolling contact fatigue (RCF) on a failed planetary gear of a windmill gearbox	ENGINEERING FAILURE ANALYSIS	MAR	2021	121		105167	
65	Rajpurohit, RS; Jena, PSM; Kumar, S; Sahu, JK	Asymmetric cyclic loading behavior of micro-alloyed 2.25 Cr-Mo steel at room temperature	INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING	JUN	2021	191		104369	

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66	Rao, MA; Kumar, MVP; Rao, SS; Narasaiah, N	Rheological behavior of coal-water slurry using sodium tripolyphosphate as a dispersant	INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION	JUN 3	2021	41	6	385	397
67	Rao, MA; Kumar, MVP; Rao, SS; Narasaiah, N	Rheological behavior of coal-water slurries of Indian coals using carboxymethylcellulose as dispersant- a comparative study	INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION		2021	41	10	728	738
69	Saha, S; Ghosh, M; Pramanick, AK; Mondal, C; Maity, J	Microstructure and Mechanical Properties of Al/Cu-p/SiCp/TiCp-Based Hybrid Composites Fabricated by Spark Plasma Sintering	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE		2021				
68	Saha, S; Ghosh, M; Pramanick, AK; Mondal, C; Maity, J	Attainment of high specific hardness and specific modulus in spark plasma sintered aluminium-copper-silicon carbide-titanium carbide hybrid composite Hohe spezifische Harte und spezifisches Schubmodul von einem sparkplasmagesinterten Aluminium-Kupfer-Siliziumkarbid-Titankarbid-Verbundwerkstoff	MATERIALWISSENSCHAFT UND WERKSTOFFTECHNIK		2021	52	9	965	981
70	Sahoo, BK; Srivastava, VC; Chandan, AK; Chhabra, HS; Chowdhury, SG	Evolution of microstructure and deformation behavior in Al-Ni added medium-Mn steel processed through intercritical / cold rolling and annealing	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	SEP 8	2021	824		141852	
71	Sahoo, BK; Srivastava, VC; Mahato, B; Chowdhury, SG	Microstructure-mechanical property evaluation and deformation mechanism in Al added medium Mn steel processed through intercritical rolling and annealing	MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING	JAN 2	2021	799		140100	
72	Sahoo, M; Dey, S	A comparative study on the characterisation and combustion behaviour of high ash coals from two different geographical origins	FUEL	FEB 15	2021	286		119397	
73	Sahoo, M; Kumar, A; Chalavadi, G; Gupta, A; Singh, RK	Enhancement of Dry Beneficiation of Coal by Air Distributor Design Modification in an Air-Pulsated Stratifier	NATURAL RESOURCES RESEARCH	OCT	2021	30	5	3643	3658
74	Sahu, L; Bhattacharya, S; Dey, S	Effect of reagents on flotation kinetics of differently sized feeds	INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION		2021				

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75	Sahu, MK; Sagar, SP	A Non-invasive Technique to Estimate the Onset of Creep Strength Deterioration	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE		2021					
76	Sahu, MK; Sagar, SP	Nonlinearity in the propagation of acoustic waves: Simulation and experimental validation in a creep damaged material	MATERIALS TODAY-PROCEEDINGS		2021	44		2251	2256	
77	Sahu, RK; Kumar, S; Mandal, D; Das Chakraborty, S; Bhattacharya, P; Mishra, T	Dangling Bond-Induced Surface Depletion in CdS Leaf	ACS APPLIED ELECTRONIC MATERIALS	JUL 27	2021	3	7	2977	2987	
78	Sarkar, AN; Singha, K; Panda, AB; Pal, S	In-situ deposited CdS NPs on pH induced fully exfoliated layered titanate-biopolymeric composite and its photocatalytic activity	POLYMER	MAY 26	2021	225		123791		
79	Sen, M; Suman, S; Mukherjee, S; Banerjee, T; Sivaprasad, S; Tarafder, S; Bhattacharjee, A; Kar, SK	Low cycle fatigue behavior and deformation mechanism of different microstructures in Ti-5Al-5Mo-5V-3Cr alloy	INTERNATIONAL JOURNAL OF FATIGUE	JUL	2021	148		106238		
80	Sharma, M; Bhowmick, T; Mishra, V	Significance of washability on heat-altered coal from Jharia and Raniganj Coalfields, India	INTERNATIONAL JOURNAL OF OIL GAS AND COAL TECHNOLOGY		2021	27	2	169	185	
81	Shikuku, VO; Mishra, T	Adsorption isotherm modeling for methylene blue removal onto magnetic kaolinite clay: a comparison of two-parameter isotherms	APPLIED WATER SCIENCE	JUN 2	2021	11	6	103		
82	Siddique, A; Hossain, SM; Pramanick, AK; Ray, M	Excitation dependence and independence of photoluminescence in carbon dots and graphene quantum dots: insights into the mechanism of emission	NANOSCALE	OCT 14	2021	13	39	16662	16671	
83	Siddique, A; Morrison, K; Venkat, G; Pramanick, AK; Banerjee, N; Ray, M	Charge Transport through Functionalized Graphene Quantum Dots Embedded in a Polyaniline Matrix	ACS APPLIED ELECTRONIC MATERIALS	MAR 23	2021	3	3	1437	1446	
84	Singh, JK; Paswan, S; Saha, D; Pandya, A; Singh, DDN	Role of air pollutant for deterioration of Taj Mahal by identifying corrosion products on surface of metals	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY		2021					
85	Singh, R; Yadav, SD; Sahoo, BK; Chowdhury, SG; Kumar, A	Phase Transformation, Mechanical Properties and Corrosion Behaviour of 304L Austenitic Stainless Steel Rolled at Room and Cryo Temperatures	DEFENCE SCIENCE JOURNAL	MAY	2021	71	3	383	389	
86	Singh, RJ; Jonnalagadda, KN; Guruprasad, PJ; Metya, AK; Kushwaha, HS	Effect of constitutive model on residual stress development in the pressure tube rolled joint	INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING	APR	2021	190		104318		

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87	Srivastava, A; Kamaraj, A; Mandal, D; Mondal, K; Mandal, GK	Role of Synthetic Slag Treatment on the Morphology of Non-Metallic Inclusions and Subsequent Cold Drawability of the High Carbon Wire Rod Steel	METALS AND MATERIALS INTERNATIONAL		2021					
88	Thakur, A K and Kumar, R R and Bansal, G K and Verma, Rahul K. and Tarafder, S and Sivaprasad, S and Mandal, G K	Processing-Microstructure-Property Correlation for Producing Stretch-Flangeable Grade Dual-Phase Steel	JOURNAL OF MATERIALS AND PERFORMANCE		2021	30		4300	4317	
89	Tome, S; Bewa, CN; Nana, A; Nemaleu, JGD; Etoh, MA; Tchakoute, HK; Kumar, S; Etame, J	Structural and Physico-mechanical Investigations of Mine Tailing-Calcined Kaolinite Based Phosphate Geopolymer Binder	SILICON		2021					
90	Tome, S; Nana, A; Kaze, CR; Djobo, JNY; Alomayri, T; Kamseu, E; Etoh, MA; Etame, J; Kumar, S	Resistance of Alkali-Activated Blended Volcanic Ash-MSWI-FA Mortar in Sulphuric Add and Artificial Seawater	SILICON		2021					
91	Tripathy, S; Chowdhury, SG	On the through-process texture evolution assessment in grain oriented Fe-3 wt% Si steel produced by a novel directional inoculation technique	SCIENTIFIC REPORTS	MAR 1	2021	11	1	4912		
92	Walunj, MG; Mandal, GK; Ranjan, RK; Pais, R; Mishra, SK; Venugopalan, T; Pathak, LC	Role of dew points and Fe pre-coats on the galvanizing and galvannealing of dual phase steel	SURFACE & COATINGS TECHNOLOGY	SEP 25	2021	422		127573		
93	Yadav, Anshul and Sharma, Prerana and Panda, Asit Baran and Shahi, Vinod K	Photocatalytic TiO ₂ incorporated PVDF-co-HFP UV-cleaning mixed matrix membranes for effective removal of dyes from synthetic wastewater system via membrane distillation.	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING		2021	9	5	105904		