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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	202		105621	
3	Abhilash; Swetha, V; Meshram, P	An overview on chemical processes for synthesis of graphene from waste carbon resources	CARBON LETTERS	DEC	2021			00313-7	
4	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	FEB	2021	11	2	317	
5	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	AUG	2021			1959329	
6	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	547	
7	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
8	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	
9	Alex, TC; Mucsi, G; Venugopalan, T; Kumar, S	BOF Steel Slag: Critical Assessment and Integrated Approach for Utilization	JOURNAL OF SUSTAINABLE METALLURGY	SEP	2021				
10	Alex, TC; Mucsi, G; Venugopalan, T; Kumar, S	BOF Steel Slag: Critical Assessment and Integrated Approach for Utilization	JOURNAL OF SUSTAINABLE METALLURGY	DEC	2021	7	4	1407	1424
11	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	
12	Ammasi, A	Development of synthetic slag for desulphurisation of the steel during steelmaking in induction furnace	ADVANCES IN MATERIALS AND PROCESSING TECHNOLOGIES	FEB	2021				

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13	Ammasi, A; Pal, J	Blast Furnace Flue Dust as a Potential Carbon Additive in Hematite Ore Pellet	MINERAL PROCESSING AND EXTRACTIVE METALLURGY REVIEW	JUL	2021				
14	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	SEP	2021				
15	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		106245	
16	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	JAN	2021	52	1	94	107
17	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		105575	
18	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
19	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	OCT 5	2021	826		141937	
20	Bhattamishra, AK; Lal, Kishori	Influence of Ageing on Corrosion Behaviour of Al-Mg-Si Alloys in Chloride and Acid Media	INTERNATIONAL JOURNAL OF MATERIALS RESEARCH	DEC	2021	89	11	793	796
21	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		111272	
22	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
23	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	JUL	2021			1946800	

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24	Chakladar, S; Patar, Prasanjeet Kumar; Vishwakarma, Dhiraj; Mohanty, Ashok; Mallick, Subhajit; Chakravarty, Sanchita	Demineralization of high ash coal fines of Indian origin using Mahua oil	CLEANER ENGINEERING AND TECHNOLOGY		2021	4		100222	
25	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	OCT	2021				
26	Chakraborty, J	Lattice expansion and phase stability in nanocrystalline titanium thin films	PHILOSOPHICAL MAGAZINE LETTERS	AUG 3	2021	101	8	330	340
27	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		161391	
28	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
29	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		111284	
30	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		113891	
31	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
32	Choubey, PK; Singh, Nityanand; Panda, Rekha; Jyothi, RK; Yoo, K; Park, Ilhwan; Jha, MK	Development of Hydrometallurgical Process for Recovery of Rare Earth Metals (Nd, Pr, and Dy) from Nd-Fe-B Magnets	METALS	DEC	2021	11	12	1987	
33	Choudhary, C; Sahoo, KL; Roy, H; Mandal, D	Effect of Grain Refiner on Microstructural Feature Influence Hardness and Tensile Properties of Al-7Si Alloy	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	NOV	2021				
34	Das, Atanu; Kumar, Basant; Ahmed, SN; Paul, Surajit Kumar; Mandal, GK	Formability study of bake hardening steel and its correlation with microstructure	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE	OCT	2021			52116	
35	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	30		1612	1618

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36	Dilip M., Rajendra K.R.	Modification of microstructure of LD slag for recovery of hybrid flux material.		DEC	2021					
37	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	
38	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	
39	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		
40	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		
41	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	JUN	2021	52	6	2642	2656	
42	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	MAR 11	2021	807		140855		
43	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	SEP	2021	52	9	3978	3995	
44	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	JUL	2021			2100121		
45	Kar, J; Guguloth, K	Effect of Beam Oscillation on Creep Properties of Electron Beam Welded AISI 316L Stainless Steel	METALS AND MATERIALS INTERNATIONAL	NOV	2021					
46	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		

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47	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	
48	Khajuria, Akhil; Akhtar, M; Bedi, Raman	A novel approach to envisage effects of boron in P91 steels through Gleeble weld-HAZ simulation and impression-creep	JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN	NOV	2021			61943	
49	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	JAN 28	2021	803		140675	
50	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	SEP 8	2021	824		141844	
51	Kumar, C., Jena, P.S.M., Singh, R.K., Harmain, G.A., Sahu, J.K.	Strain ratio effect on microstructural evolution during low cycle fatigue exploitation of nickel base superalloy IN 740H	INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING	DEC	2021	194		104551	
52	Kumar, G; Kumar, A; Bar, HN	Effect of dynamic strain aging on cyclic deformation in piping material SA333 Gr-6 steel	INTERNATIONAL JOURNAL OF PRESSURE VESSELS AND PIPING	DEC	2021	194	A	104529	
53	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
54	Kumari, A and Tripathy, A and Rayasam, V	Performance characterization and misplacement studies of liquid-solid fluidized bed density separator for coal beneficiation using Taguchi-ANOVA method	PARTICULATE SCIENCE AND TECHNOLOGY		2021	39	4	436	448
55	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	JUN	2021			1947846	
56	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

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57	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	AUG	2021	309		127393	
58	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	
59	Kundu, Rajen; De, S	Characterization and analysis of the triglyceride transesterification process	BIOMASS CONVERSION AND BIOREFINERY	JUL	2021				
60	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
61	Meshram, RB; Kumar, S	Comparative life cycle assessment (LCA) of geopolymers cement manufacturing with Portland cement in Indian context	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	APR	2021				
62	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	
63	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	
64	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
65	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	
66	Mohanty, Sunati; Das, Suchandan K; Majumder, AK	Artificial neural network modeling and experimental investigation to characterize the dewatering performance of a hydrocyclone	MINERAL PROCESSING AND EXTRACTIVE METALLURGY		2021	130	4	396	408
67	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	
68	Nair, AS; Nallusamy, V; Jayasankar, K; Sreejakumari, SS	Scalable preparation of graphene from graphite ore via mechano-chemical ball milling	MATERIALS AND MANUFACTURING PROCESSES	JUN	2021			1945094	

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69	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	
70	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	JAN	2021	57	1	73	82
71	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
72	Park, I; Kanazawa, Y; Sato, N; Galtchandmani, P; Jha, MK; Tabelin, CB; Jeon, S; Ito, M; Hiroyoshi, N	Beneficiation of Low-Grade Rare Earth Ore from Khalzan Buregtei Deposit (Mongolia) by Magnetic Separation	MINERALS	DEC	2021	11	12	1432	
73	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	SEP	2021	11	9	1369	
74	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	NOV	2021	56	17	2978	2988
75	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	
76	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	
77	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
78	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	MAR 11	2021	807		140905	

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79	Rajak, PK; Singh, VK; Kumar, A; Singh, V; Rai, A; Rai, S; Singh, KN; Sharma, Mamta; Naik, AS; Mathur, N; Singh, PK	Study of Hydrocarbon Source Potential of Kapurdi Lignites of Barmer Basin, Rajasthan, Western India	JOURNAL OF THE GEOLOGICAL SOCIETY OF INDIA	AUG	2021	97	8	836	842
80	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	
81	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	
82	Rao, Gorja Sudhakar; Yagodzinsky, Y; Que, Z; Spatig, P; Seifert, HP	Study on hydrogen embrittlement and dynamic strain ageing on low-alloy reactor pressure vessel steels	JOURNAL OF NUCLEAR MATERIALS	DEC	2021	556		153161	
83	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
84	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	OCT	2021	41	10	728	738
85	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	AUG	2021				
86	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	SEP	2021	52	9	965	981
87	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	SEP 8	2021	824		141852	
88	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	JAN 2	2021	799		140100	

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89	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	
90	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
91	Sahoo, Tapan; Thakur, D; Panda, Asit Baran; Ghosh, SC	Copper/manganese oxide catalyzed regioselective amination of quinoline N-oxides: An example of synergistic cooperative catalysis	TETRAHEDRON LETTERS	OCT	2021	83		153415	
92	Sahu, L; Bhattacharya, S; Dey, S	Effect of reagents on flotation kinetics of differently sized feeds	INTERNATIONAL JOURNAL OF COAL PREPARATION AND UTILIZATION	JAN	2021			1865325	
93	Sahu, MK; Sagar, SP	A Non-invasive Technique to Estimate the Onset of Creep Strength Deterioration	JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE	OCT	2021				
94	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	1	2251	2256
95	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
96	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	
97	Sau DC; Banerjee, Amit; Chakravarty, Sanchita; Senapati, Pragyan; Murmu, Rabiranjana; Sutar, Harekrushna	Thermal Decomposition Behavior and Kinetic Study of Jamadoba Coal and Its Density Separated Macerals: A Non-Isothermal Approach	ADVANCES IN CHEMICAL ENGINEERING AND SCIENCE	JUN	2021	11	3	203	227
98	Sau, DC, Murmu, R, Senapati, P; Sutar, H	Optimization of Raceway Parameters in Iron Making Blast Furnace for Maximizing the Pulverized Coal Injection (PCI) Rate	ADVANCES IN CHEMICAL ENGINEERING AND SCIENCE		2021	11	2	141	153
99	Selvi, G. Thamarai, Jha, Shailendra K.	Discharge Profile and Its Correlation with Estimated Parametric Sensitivity and Electrical Contact Resistance Losses in Li-Ion Battery	JOURNAL OF THE ELECTROCHEMICAL SOCIETY	NOV	2021	168	11	110511	

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100	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	
101	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	FEB	2021	27	2	169	185
102	Shekhar, Saurabh; Sinha, S; Mishra, D; Agrawal, A; Sahu, KK	Extraction of manganese through baking-leaching technique from high iron containing manganese sludge	MATERIALS TODAY: PROCEEDINGS		2021	46	3	1449	1504
103	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	
104	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
105	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
106	Singh, C; Tiwari, SK; Singh, R	Development of corrosion-resistant electroplating on AZ91 Mg alloy by employing air and water-stable eutectic based ionic liquid bath	SURFACE & COATINGS TECHNOLOGY	DEC	2021	428		127881	
107	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	AUG	2021				
108	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
109	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	
110	Singh, RK; Chalavadi, G; Gupta, A; Das, AK	A novel dry gravity separation method for cleaner production of fine sized iron ore concentrate	CANADIAN METALLURGICAL QUARTERLY	NOV	2021			1996900	

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111	Sinha, Shivendra; Choudhari, R; Shekhar, S; Mishra, D; Sahu, KK	Recovery of zinc as zinc phosphate and by-products from hydrometallurgical treatment of hot-dip galvanizing (Zn-Al) dross	MATERIALS TODAY: PROCEEDINGS		2021	46	3	1532	1536
112	Sinha, Shivendra; De, S; Mishra, D; Shekhar, S; Agarwal, A; Sahu, KK	Phosphonomethyl iminodiacetic acid functionalized metal organic framework supported PAN composite beads for selective removal of La(III) from wastewater: Adsorptive performance and column separation studies	JOURNAL OF HAZARDOUS MATERIALS	NOV	2021			127802	
113	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	AUG	2021				
114	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
115	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	MAY	2021				
116	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	MAR	2021				
117	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	2021	11	1	4912	
118	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	
119	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	OCT	2021	9	5	105904	

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120	Yadav, Anshul, Khushboo Singh, Asit Baran Panda, Pawan Kumar Labhasetwar, Vinod Kumar Shahi	Membrane distillation crystallization for simultaneous recovery of water and salt from tannery industry wastewater using TiO ₂ modified poly (vinylidene fluoride-co-hexafluoropropylene) nanocomposite membranes	JOURNAL OF WATER PROCESS ENGINEERING	DEC	2021	11		102393	
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