Senthil Kumaran S

List of Publications by Year
in descending order

165	2,469	186265	330143
papers	citations	28 h-index	37 g-index

169	169	169	933
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent progress and growth in biosensors technology: A critical review. Journal of Industrial and Engineering Chemistry, 2022, 109, 21-51.	5.8	94
2	An investigation of mechanical properties and material removal rate, tool wear rate in EDM machining process of AL2618 alloy reinforced with Si3N4, AlN and ZrB2 composites. Journal of Alloys and Compounds, 2015, 650, 318-327.	5.5	61
3	An analysis of mechanical properties and optimization of EDM process parameters of Al 4032 alloy reinforced with Zrb2 and Tib2 in-situ composites. Journal of Alloys and Compounds, 2016, 662, 325-338.	5.5	59
4	An investigation of tool wear using acoustic emission and genetic algorithm. JVC/Journal of Vibration and Control, 2015, 21, 3061-3066.	2.6	55
5	Wear behaviour of Al 2618 alloy reinforced with Si 3 N 4 , AlN and ZrB 2 in situ composites at elevated temperatures. AEJ - Alexandria Engineering Journal, 2016, 55, 19-36.	6.4	50
6	Performance evaluation of 3D printing technologies: a review, recent advances, current challenges, and future directions. Progress in Additive Manufacturing, 2022, 7, 853-886.	4.8	49
7	Characterization and analysis of compression load behaviour of aluminium alloy foam under the diverse strain rate. Journal of Alloys and Compounds, 2016, 656, 218-225.	5.5	47
8	High temperature investigation on EDM process of Al 2618 alloy reinforced with Si3N4, ALN and ZrB2 in-situ composites. Journal of Alloys and Compounds, 2016, 663, 755-768.	5.5	46
9	Aerospace application on Al 2618 with reinforced â€“ Si3N4, AlN and ZrB2 in-situ composites. Journal of Alloys and Compounds, 2016, 672, 238-250.	5.5	45
10	Optimization of friction welding of tube to tube plate using an external tool. Structural and Multidisciplinary Optimization, 2010, 42, 449-457.	3.5	44
11	Friction material composite: types of brake friction material formulations and effects of various ingredients on brake performanceâ€“a review. Materials Research Express, 2019, 6, 082005.	1.6	44
12	An investigation of abrasive and erosion behaviour of AA 2618 reinforced with Si3N4, AlN and ZrB2 in situ composites by using optimization techniques. Archives of Civil and Mechanical Engineering, 2017, 17, 43-54.	3.8	43
13	Optimization of friction welding of tube-to-tube plate using an external tool by Taguchi method and genetic algorithm. International Journal of Advanced Manufacturing Technology, 2011, 57, 167-182.	3.0	42
14	Interfacial microstructure and optimization of friction welding by Taguchi and ANOVA method on SA 213 tube to SA 387 tube plate without backing block using an external tool. Journal of Alloys and Compounds, 2016, 654, 534-545.	5.5	41
15	Eco-friendly aspects associated with friction welding of tube-to-tube plate using an external tool process. International Journal of Sustainable Engineering, 2012, 5, 120-127.	3.5	39
16	An investigation of mechanical properties and corrosion resistance of Al2618 alloy reinforced with Si3N4, AlN and ZrB2 composites. Journal of Alloys and Compounds, 2015, 652, 244-249.	5.5	38
17	An investigation of mechanical properties of madar fiber reinforced polyester composites for various fiber length and fiber content. Materials Research Express, 2019, 6, 015303.	1.6	38
18	Mining environment applications on Al 4032 â€“ Zrb 2 and Tib 2 in-situ composites. Journal of Alloys and Compounds, 2016, 658, 757-773.	5.5	36

#	Article	IF	Citations
19	Friction Welding Joints of SA 213 Tube to SA 387 Tube Plate Boiler Grade Materials by using Clearance and Interference Fit Method. Materials Today: Proceedings, 2018, 5, 8557-8566.	1.8	36
20	Optimization of friction welding of tube to tube plate using an external tool by hybrid approach. Journal of Alloys and Compounds, 2011, 509, 2758-2769.	5.5	35
21	Suitability of Friction Welding of Tube to Tube Plate Using an External Tool Process for Different Tube Diameters-A Study. Experimental Techniques, 2013, 37, 8-14.	1.5	35
22	An Examination of Seamless Ferritic tube and Austenitic alloy tube plate joining by Friction Welding process. Materials Today: Proceedings, 2018, 5, 8539-8546.	1.8	34
23	Nanomaterials for automotive outer panel components: a review. European Physical Journal Plus, 2021, 136, 1.	2.6	34
24	Friction welding of Cu-tube to Al-tube plate using an external tool. Transactions of the Indian Institute of Metals, 2011, 64, 255-260.	1.5	33
25	Optimization of friction welding by taguchi and ANOVA method on commercial aluminium tube to Al 2025 tube plate with backing block using an external tool. Journal of Mechanical Science and Technology, 2016, 30, 2225-2235.	1.5	33
26	An investigation of Boiler Grade Tube and Tube Plate without block by using friction welding process. Materials Today: Proceedings, 2018, 5, 8567-8576.	1.8	33
27	Garnet and Al-flyash composite under dry sliding conditions. Journal of Composite Materials, 2018, 52, 2281-2288.	2.4	33
28	Blockchain in additive manufacturing processes: Recent trends & its future possibilities. Materials Today: Proceedings, 2022, 50, 2170-2180.	1.8	32
29	Current Trends and Future Perspectives of Nanomaterials in Food Packaging Application. Journal of Nanomaterials, 2022, 2022, 1-32.	2.7	31
30	FWTPET Investigation on SA213 Tube to SA387 Tube Plate. Applied Mechanics and Materials, 0, 852, 355-361.	0.2	28
31	Recent advances in the study of toxicity of polymer-based nanomaterials. , 2020, , 143-165.		28
32	Reviewâ€"Contemporary Progresses in Carbon-Based Electrode Material in Li-S Batteries. Journal of the Electrochemical Society, 2022, 169, 020530.	2.9	28
33	A Review on Machine Learning Models in Injection Molding Machines. Advances in Materials Science and Engineering, 2022, 2022, 1-28.	1.8	27
34	A review of the function of using carbon nanomaterials in membrane filtration for contaminant removal from wastewater. Materials Research Express, 0, , .	1.6	26
35	Investigation of the inhibitive effect of Tween 20 self assembling nanofilms on corrosion of carbon steel. Journal of Alloys and Compounds, 2016, 675, 139-148.	5.5	25
36	Characterization and tribological analysis on AA 6061 reinforced with AlN and ZrB2 in situ composites. Journal of Materials Research and Technology, 2019, 8, 969-980.	5.8	25

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37	Complex Nanomaterials in Catalysis for Chemically Significant Applications: From Synthesis and Hydrocarbon Processing to Renewable Energy Applications. Advances in Materials Science and Engineering, 2022, 2022, 1-72.	1.8	25
38	An investigation on mechanical property of commercial copper tube to aluminium 2025 tube plate by FWTPET process. Journal of Alloys and Compounds, 2016, 672, 674-688.	5.5	24
39	Contemporary Progresses in Ultrasonic Welding of Aluminum Metal Matrix Composites. Frontiers in Materials, 2021, 8, .	2.4	24
40	Optimization of Friction Welding of Tube-to-Tube Plate Using an External Tool with Filler Plate. Journal of Materials Engineering and Performance, 2012, 21, 1199-1204.	2.5	23
41	Effect of Tube Preparations on Joint Strength in Friction Welding of Tube-to-Tube Plate Using an External Tool Process. Experimental Techniques, 2013, 37, 24-32.	1.5	23
42	Effect of projection on joint properties of friction welding of tube-to-tube plate using an external tool. International Journal of Advanced Manufacturing Technology, 2014, 75, 1723-1733.	3.0	23
43	An investigation on compression strength analysis of commercial aluminium tube to aluminium 2025 tube plate by using TIG welding process. Journal of Alloys and Compounds, 2016, 666, 131-143.	5.5	23
44	A Contemporary Review on Drought Modeling Using Machine Learning Approaches. CMES - Computer Modeling in Engineering and Sciences, 2021, 128, 447-487.	1.1	21
45	Optical tomography in additive manufacturing: a review, processes, open problems, and new opportunities. European Physical Journal Plus, 2021, 136, 1.	2.6	21
46	Implementation of LSS framework in automotive component manufacturing: A review, current scenario and future directions. Materials Today: Proceedings, 2021, 46, 7815-7824.	1.8	20
47	A survey of electromagnetic metal casting computation designs, present approaches, future possibilities, and practical issues. European Physical Journal Plus, 2021, 136, 1.	2.6	20
48	Study of raw and chemically treated Sansevieria ehrenbergii fibers for brake pad application. Materials Research Express, 2020, 7, 055102.	1.6	19
49	A Cutting-Edge Survey of Tribological Behavior Evaluation Using Artificial and Computational Intelligence Models. Advances in Materials Science and Engineering, 2021, 2021, 1-17.	1.8	19
50	An investigation on Piston structural analysis related with experimental cylinder pressures using different biodiesel blend ratios. Materials Today: Proceedings, 2020, 22, 2255-2265.	1.8	18
51	Effect of Process Parameters and Heat Input on Weld Bead Geometry of Laser Welded Titanium Ti-6Al-4V Alloy. Materials Science Forum, 0, 969, 613-618.	0.3	17
52	A Survey of Machine Learning in Friction Stir Welding, including Unresolved Issues and Future Research Directions. Material Design and Processing Communications, 2022, 2022, 1-28.	0.9	17
53	Characterization of Microstructure and Mechanical Properties of AA2219-O and T6 Friction Stir Welds. Materials Science Forum, 0, 969, 205-210.	0.3	16
54	Optimization of Process Parameters Using Surface Response Methodology for Laser Welding of Titanium Alloy. Materials Science Forum, 0, 969, 539-545.	0.3	16

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55	Influence on nonhomogeneous microstructure formation and its role on tensile and fatigue performance of duplex stainless steel by a solid-state welding process. Materials Today: Proceedings, 2021, 46, 7284-7296.	1.8	16
56	New Developments in Carbon-Based Nanomaterials for Automotive Brake Pad Applications and Future Challenges. Journal of Nanomaterials, 2021, 2021, 1-24.	2.7	16
57	Nanomaterials for Electromagnetic Interference Shielding Applications: A Review. Nano, 2022, 17, .	1.0	16
58	Tribological performance evaluation of fused mullite-reinforced hybrid composite brake pad for defence application. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	15
59	A case study focusing on investigating the tribological performance of Cu-Sn sintered brake pad of off-high road vehicles. Journal of Composite Materials, 2020, 54, 4299-4310.	2.4	15
60	Effect of dumped iron ore tailing waste as fine aggregate with steel and basalt fibre in improving the performance of concrete. Materials Today: Proceedings, 2021, 46, 7624-7632.	1.8	15
61	Intelligent welding by using machine learning techniques. Materials Today: Proceedings, 2021, 46, 7402-7410.	1.8	15
62	Development and influence of tribomechanical properties on magnesium based hybrid metal matrix composites-a review. Materials Research Express, 2020, 7, 036520.	1.6	14
63	NOx, CO & HC control by adopting activated charcoal enriched filter in catalytic converter of diesel engine. Materials Today: Proceedings, 2020, 22, 2283-2290.	1.8	14
64	An investigation on SA 213-Tube to SA 387-Tube plate using friction welding process. Journal of Mechanical Science and Technology, 2016, 30, 337-344.	1.5	13
65	Characterization of Various Properties of Chemically Treated Allium sativum Fiber for Brake Pad Application. Journal of Natural Fibers, 2020, , 1-13.	3.1	13
66	Quality Assessment of Friction Welding using Image Super-resolution via Deep Convolutional Neural Networks. Materials Today: Proceedings, 2020, 22, 2266-2273.	1.8	13
67	A study on backing block arrangement of dissimilar metal joining process of seamless ferritic and austenitic alloy by using an external tool. Journal of Alloys and Compounds, 2016, 687, 773-785.	5.5	12
68	Numerical analysis of reinforced carbon fiber composite material for lightweight automotive wheel application. Materials Today: Proceedings, 2021, 46, 7369-7374.	1.8	12
69	Numerical investigation of thermo-mechanical properties for disc brake using light commercial vehicle. Materials Today: Proceedings, 2021, 46, 7548-7555.	1.8	12
70	Low Cycle Fatigue behavior of heat treated EN-47 Spring Steel. Materials Today: Proceedings, 2020, 22, 2191-2198.	1.8	12
71	Additive manufacturing of dental material parts via laser melting deposition: A review, technical issues, and future research directions. Journal of Manufacturing Processes, 2022, 76, 67-78.	5.9	12
72	Recent Advancements in the Field of Ni-Based Superalloys. Advances in Materials Science and Engineering, 2021, 2021, 1-60.	1.8	12

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73	Performance Comparison of Advanced Ceramic Cladding Approaches via Solid-State and Traditional Welding Processes: A Review. Materials, 2020, 13, 5805.	2.9	11
74	Thermal Performance Enhancement in a Plain Tube fitted with perforated twisted tape insert using water based Al2O3 Nanofluid. Materials Today: Proceedings, 2020, 22, 2274-2282.	1.8	11
75	Multi-objective evolutionary optimization with genetic algorithm for the design of off-grid PV-wind-battery-diesel system. Soft Computing, 2021, 25, 3175-3194.	3.6	11
76	Experimental investigation of compressive strength for fly ash on high strength concrete C-55 grade. Materials Today: Proceedings, 2021, 46, 7507-7517.	1.8	11
77	An Investigation of Wear Behavior on AA7075 MMC reinforced with CNT and Fly ash Composites. Materials Today: Proceedings, 2020, 22, 2460-2468.	1.8	11
78	Reviewâ€"Chemical Structures and Stability of Carbon-doped Graphene Nanomaterials and the Growth Temperature of Carbon Nanomaterials Grown by Chemical Vapor Deposition for Electrochemical Catalysis Reactions. ECS Journal of Solid State Science and Technology, 2022, 11, 041003.	1.8	11
79	An investigation on thermal and friction effect produced by friction welding of SA 213 tube to SA 387 tube plate. AEJ - Alexandria Engineering Journal, 2016, 55, 101-112.	6.4	10
80	Crystal growth behavior and phase stability of rare earth oxides (4 mol.% GdO1.5-4 mol.% SmO1.5) doped zirconia nanopowders. Journal of Materials Research and Technology, 2019, 8, 5867-5873.	5.8	10
81	Present knowledge and perspective on the role of natural fibers in the brake pad material. Materials Today: Proceedings, 2021, 46, 7329-7337.	1.8	10
82	Corrosion behavior of orthodontic wires in artificial saliva with presence of beverage. , 2020, , 471-504.		9
83	An investigation on friction welding of tube to tube plate by using friction stir processing with CNT and Si3N4 composites. Materials Today: Proceedings, 2020, 22, 2452-2459.	1.8	9
84	Review on latest trends in friction-based additive manufacturing techniques. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 10090-10121.	2.1	9
85	An investigation on SA 213 tube to SA 387 tube plate with backing block arrangement in friction welding process. AEJ - Alexandria Engineering Journal, 2016, 55, 1255-1269.	6.4	8
86	An investigation of metal flow during friction welding of SA 213 tube to SA 387 tube plate with backing block. AEJ - Alexandria Engineering Journal, 2016, 55, 1187-1199.	6.4	8
87	Stress Corrosion Cracking of AZ91â€‰+â€‰xCe Alloy Using Proof Ring Test in ASTM D1384 and NaCl-K2CrO4 Solutions. Journal of Materials Engineering and Performance, 2019, 28, 2552-2561.	2.5	8
88	The Influence of Gas Tungsten Arc Welding Parameters on Mechanical and Microstructure Properties of the TC4 Titanium Alloy. Materials Science Forum, 0, 969, 895-900.	0.3	8
89	Fabrication and Experimental Investigation on Deformation Behaviour of AlSi10Mg Foam-Filled Mild Steel Tubes. Transactions of the Indian Institute of Metals, 2020, 73, 587-594.	1.5	8
90	Bioinspired Techniques in Freeze Casting: A Survey of Processes, Current Advances, and Future Directions. International Journal of Polymer Science, 2022, 2022, 1-22.	2.7	8

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91	A Survey of Applications of MFC and Recent Progress of Artificial Intelligence and Machine Learning Techniques and Applications, with competing fuel cells. Engineering Research Express, 2022, 4, 022001.	1.6	8
92	Performance of Polyvinyl Alcohol and Polypropylene Fibers under Simulated Cementitious Composites Pore Solution. Advances in Materials Science and Engineering, 2022, 2022, 1-7.	1.8	8
93	Effects of in-grain misorientation developments in sensitization of 304 L austenitic stainless steels. Materials Research Express, 2019, 6, 016551.	1.6	7
94	Effect of volumetric fraction index on temperature distribution in thick-walled functionally graded material made cylinder. Materials Today: Proceedings, 2021, 46, 7442-7447.	1.8	7
95	Phase Change Materials in Metal Casting Processes: A Critical Review and Future Possibilities. Advances in Materials Science and Engineering, 2022, 2022, 1-14.	1.8	7
96	Interfacial Microstructure and Strength of Friction Welding of Steel Tube to Aluminium Tube Plate Using an External Tool. Advanced Materials Research, 0, 383-390, 877-881.	0.3	6
97	Dissimilar metal study on C44300 tube to AA7075 -T651 tube plate with and without thread by FWTPET process. Journal of Mechanical Science and Technology, 2017, 31, 2523-2533.	1.5	6
98	Role of Alloy Chemistry on Stability of Passive Films in Austenitic Stainless Steel. Journal of Materials Engineering and Performance, 2019, 28, 3695-3703.	2.5	6
99	Formability Analyses on Single Point Incremental Sheet Forming Process on Aluminum 1050. Materials Science Forum, 0, 969, 703-708.	0.3	6
100	Prediction of Tensile Strength in Friction Welding Joins Made of SA213 Tube to SA387 Tube Plate through Optimization Techniques. Materials, 2019, 12, 4079.	2.9	6
101	Sensor-Assisted Assessment of the Tribological Behavior Patterns of AA7075 Hybrid MMC Reinforced with Multi-Wall Carbon Nanotubes and Pulverized Fuel Ash. Materials, 2020, 13, 2583.	2.9	6
102	Experimental Investigation of Sorghum Stalk and Sugarcane Bagasse Hybrid Composite for Particleboard. Advances in Materials Science and Engineering, 2022, 2022, 1-17.	1.8	6
103	Metal Joining Technique of SA 213 Tube and SA 387 Tube Plate Grade Materials Using Backing Block by Clearance Fit Condition. Materials Science Forum, 0, 969, 709-714.	0.3	5
104	Analytical investigation of Pelton turbine for mini hydro power: For the case of selected site in Ethiopia. Materials Today: Proceedings, 2021, 46, 7364-7368.	1.8	5
105	Development and characterization of bamboo - sesame stalk hybrid urea-formaldehyde matrix composite for particleboard application. Materials Today: Proceedings, 2021, 46, 7351-7358.	1.8	5
106	Fabricated and analyzed the mechanical properties of textile waste/glass fiber hybrid composite material. Materials Today: Proceedings, 2021, 46, 7297-7303.	1.8	5
107	A review on failure mechanisms and analysis of multidirectional laminates. Materials Today: Proceedings, 2021, 46, 7380-7388.	1.8	5
108	EFFECT ON STRESS AND THERMAL ANALYSIS OF TAPERED ROLLER BEARINGS. Journal of Critical Reviews, 2020, 7, .	0.1	5

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109	Friction welding of 304 austenitic stainless steel tube to tube plate joints using an external tool. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2015, 9, JAMDSM0045-JAMDSM0045.	0.7	4
110	An Optimization of Erosive Wear on AA 2618 Reinforced with SI₃N₄, AlN and ZrB₂ In Situ Composites. Applied Mechanics and Materials, 2016, 852, 452-458.	0.2	4
111	Experimental Analysis of SA213 Tube to SA387 Tube Plate Welding by Using Close Fit Technique in Absence of Supporting Plate. Materials Science Forum, 0, 969, 570-575.	0.3	4
112	Effect of Microstructure and Mechanical Properties of Austenitic Stainless Steel 1.6mm Butt Welded by Plasma Arc Welding. Materials Science Forum, 0, 969, 619-624.	0.3	4
113	Corrosion inhibition by self-assembling nanofilms. , 2020, , 107-125.		4
114	Analytical investigation of hydraulic scissor lift for modular industrial plants in ethiopia. Materials Today: Proceedings, 2021, 46, 7596-7601.	1.8	4
115	Experimental investigation of suitable thin layer drying curve to solar maize dryer assisted for biomass back-up heater. Materials Today: Proceedings, 2021, 46, 7389-7395.	1.8	4
116	Effect of pond ash on properties of C-25 concrete. Materials Today: Proceedings, 2021, 46, 8296-8302.	1.8	4
117	Aerial and Under-water Dronal Communication: Potentials, Issues and Vulnerabilities. International Journal of Innovative Technology and Exploring Engineering, 2019, 9, 3874-3885.	0.3	4
118	X-Ray Diffraction and Microstructure Analysis of EN47 Spring Steel at Various Soaking Period of Time. Materials Science Forum, 0, 969, 104-109.	0.3	3
119	Anodic Polarization Behavior of Cold-Worked Austenitic Stainless Steel: A Newer Approach. Materials Science Forum, 0, 969, 16-21.	0.3	3
120	Effect of Soaking Time on Evolution of Microstructure and Hardness during Annealing of EN-47 Spring Steel. Materials Science Forum, 0, 969, 427-432.	0.3	3
121	Effects of plastic strains on passivation behavior of different austenitic stainless steel grades. Materials Research Express, 2019, 6, 026504.	1.6	3
122	Realizing a Novel Friction Stir Processing-Enabled FWTPET Process for Strength Enhancement Using Firefly and PSO Methods. Materials, 2020, 13, 728.	2.9	3
123	Ultrasonic Sensors-Assisted Corrosion Studies on Surface Coated AlSi9Cu3 Alloy Die Castings. Coatings, 2020, 10, 85.	2.6	3
124	Treatment of wastewater from coffee (coffea arebica) industries using mixed culture Pseudomonas florescence and Escherichia coli bacteria. Materials Today: Proceedings, 2021, 46, 7396-7401.	1.8	3
125	Design and Techno-economic analysis of power generating unit from waste heat (Preheater and grate) Tj ETQq1 1 0.784314 rgBT /Ov	1.8	3
126	Sig sigma implementation (DMAIC) of friction welding of tube to tube plate by external tool optimization. Materials Today: Proceedings, 2021, 46, 7344-7350.	1.8	3

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127	A Comparative Analysis by Experimental Investigations on Normal and Ground Ultrafine Mineral Admixtures in Arresting Permeation in High-Strength Concrete. Advances in Civil Engineering, 2022, 2022, 1-11.	0.7	3
128	Hot corrosion behaviour of constant and pulsed current welded Hastelloy X in Na₂SO₄, V₂O₅, and NaCl salt mixture at 900 Â°C. Materials Research Express, 2022, 9, 020008.	1.6	3
129	Dissimilar Study on Friction Welding of AA 2025 Tube Plate to Copper Tube Using an External Tool. Applied Mechanics and Materials, 2016, 852, 362-368.	0.2	2
130	Effect of Mechanical Properties and Corrosion Behaviour of Martensitic Stainless Steel 410 1.6mm Butt Welded by Plasma Arc Welding. Materials Science Forum, 0, 969, 601-606.	0.3	2
131	Nanoparticles in hair dyes. , 2020, , 227-245.		2
132	Toxicity of silver and other metallic nanoparticles. , 2020, , 125-141.		2
133	Stress analysis of different cross-section for passenger truck chassis with a material of ASTM A148 Gr 80â€“50. Materials Today: Proceedings, 2021, 46, 7304-7316.	1.8	2
134	Literature survey to the materials used in laser-assisted additive manufacturing processes for the production of nuclear materials. European Physical Journal Plus, 2021, 136, 1.	2.6	2
135	Corrosion issues in electronic equipments â€“ an overview. International Journal of Corrosion and Scale Inhibition, 2019, 8, .	0.6	2
136	Corrosion resistance of Niâ€“Cr alloy in artificial tears in the presence of excess of glucose and sodium chloride. International Journal of Corrosion and Scale Inhibition, 2019, 8, .	0.6	2
137	A brief review on the Tube-to-Tube plate welding process. Materials Today: Proceedings, 2022, , .	1.8	2
138	Study on Fresh and Mechanical Properties of Polyblend Self-Compacting Concrete with Metakaolin, Lightweight Expanded Clay Aggregate, and SAP as Alternative Resources. Advances in Civil Engineering, 2022, 2022, 1-13.	0.7	2
139	Sensor-Assisted Assessment of the Tribological Behavioral Patterns of Alâ€“SiCp Composites under Various Environmental Temperature Conditions. Materials, 2019, 12, 4004.	2.9	1
140	Corrosion resistance of orthodontic wires in artificial saliva with presence of fragrant drink additives. , 2020, , 505-523.		1
141	Nanoparticleâ€“physiological media interactions. , 2020, , 3-20.		1
142	The Effects of Strain on Stability of Passivation in Austenitic Stainless Steels: Comparison with Heat Treatment. Experimental Techniques, 2021, 45, 207-216.	1.5	1
143	Micro hardness and optical microscopy analysis of textile waste/glass fiber hybrid composite material. Materials Today: Proceedings, 2021, 46, 7322-7328.	1.8	1
144	Analyzed of vapor absorption refrigeration systems powered by geothermal energy: Site in Ethiopia. Materials Today: Proceedings, 2021, 46, 7570-7580.	1.8	1

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145	Realizing a Ultra-Low Latency M-CORD Model for Real-Time Traffic Settings in Smart Cities. Advances in Computer and Electrical Engineering Book Series, 2021, , 93-105.	0.3	1
146	Reduction of hole misalignment in turbocharger center housing. International Journal of Quality and Reliability Management, 2021, ahead-of-print, .	2.0	1
147	Optimizing the welding parameters for Straight tube butt welding of dissimilar metals. Materials Today: Proceedings, 2021, 46, 7588-7595.	1.8	1
148	Some studies of nanoparticle properties for dissimilar materials on the surface features created by EBW and LBW. Materials Today: Proceedings, 2021, 46, 7271-7283.	1.8	1
149	Smart Resilient Security Framework and Solutions for Cloud-driven Digital Supply Networks. International Journal of Innovative Technology and Exploring Engineering, 2019, 9, 2492-2501.	0.3	1
150	Tool Wear Rate Prediction by using Optimization Techniques. International Journal of Innovative Technology and Exploring Engineering, 2019, 9, 1271-1277.	0.3	1
151	SOME STUDY ON FATIGUE LIFE OF OPEN COIL SUSPENSION SPRINGS. Journal of Critical Reviews, 2020, 7, .	0.1	1
152	Performance of air plasma sprayed Cr3C2â€“25NiCr and NiCrMoNb coated X8CrNiMoVNb16â€“13 alloy subjected to high temperature corrosion environment. Materials Research Express, 2022, 9, 016520.	1.6	1
153	Experimental and Mathematical Studies for Optimality of GTAW Parameters on Similar and Dissimilar Steel Substrates. Advances in Materials Science and Engineering, 2022, 2022, 1-19.	1.8	1
154	Experimental Study on Friction Welding of without Backing Block of Commercial Copper Tube without Hole (WoH) to AL 2025 Tube Plate by Using Clearance Fit Method. Applied Mechanics and Materials, 2016, 852, 337-343.	0.2	0
155	Smart assessment of environment assisted cracking of grade 92 material using different test solutions. Materials Research Express, 2019, 6, 1265h2.	1.6	0
156	An experimental analysis of AA 2025 tube plate with commercial copper tube by gas tungsten arc welding. AIP Conference Proceedings, 2020, , .	0.4	0
157	Multifunctional drinks from all natural ingredients. , 2020, , 413-431.		0
158	Powdered alcohol. , 2020, , 657-668.		0
159	Design of manually operated multiple-seed planting machine for an Ethiopian environment. Materials Today: Proceedings, 2021, 46, 7375-7379.	1.8	0
160	Some study on the potential energy extraction from solar-assisted solid waste for produce electricity in Adama city in Ethiopia. Materials Today: Proceedings, 2021, 46, 7537-7547.	1.8	0
161	Valuable Product For Real World Requirement. International Journal of Innovative Technology and Exploring Engineering, 2019, 9, 3423-3430.	0.3	0
162	Wear Resistance Enhancement of Cutting Tools in CNC Machine. International Journal of Innovative Technology and Exploring Engineering, 2019, 9, 1264-1270.	0.3	0

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163	DIFFERENT TYPES OF VEGETABLE OILS AND THEIR EFFECT ON SURFACE ROUGHNESS AND CUTTING FORCES IN MACHINING OPERATIONS. Journal of Critical Reviews, 2020, 7, .	0.1	0
164	PREDICTION OF TENSILE STRENGTH BEHAVIOR OF AA2024 REINFORCED WITH CNT IN THE COMBINATION OF FSW+FSP. Journal of Critical Reviews, 2020, 7, .	0.1	0
165	A REVIEW ON LIFE INCREMENT OF TAPERED ROLLER BEARINGS. Journal of Critical Reviews, 2020, 7, .	0.1	0