Kuldeep K Saxena

List of Publications by Year
in descending order

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144	2,116	279487	395343
papers	citations	23 h-index	33 g-index

146	146	146	747
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Powder bed fusion process in additive manufacturing: An overview. Materials Today: Proceedings, 2020, 26, 3058-3070.	0.9	112
2	Sustainable and smart metal forming manufacturing process. Materials Today: Proceedings, 2021, 44, 2069-2079.	0.9	71
3	Comparative Molecular Dynamics Simulation Study of Mechanical Properties of Carbon Nanotubes with Number of Stone-Wales and Vacancy Defects. Procedia Engineering, 2012, 38, 2347-2355.	1.2	63
4	Mechanical and durability properties of geopolymer concrete composite at varying superplasticizer dosage. Materials Today: Proceedings, 2021, 44, 12-16.	0.9	56
5	Manufacturing techniques for metal matrix composites (MMC): an overview. Advances in Materials and Processing Technologies, 2020, 6, 441-457.	0.8	50
6	Role of titanium in bio implants and additive manufacturing: An overview. Materials Today: Proceedings, 2020, 26, 3071-3080.	0.9	47
7	Influence of ultrasonic vibration assistance in manufacturing processes: A Review. Materials and Manufacturing Processes, 2021, 36, 1451-1475.	2.7	47
8	Metallic implants with properties and latest production techniques: a review. Advances in Materials and Processing Technologies, 2020, 6, 405-440.	0.8	46
9	Experimental investigation and optimization of RMD^{TM} welding parameters for ASTM A387 grade 11 steel. Materials and Manufacturing Processes, 2021, 36, 1524-1534.	2.7	45
10	A review on pore and porosity in tissue engineering. Materials Today: Proceedings, 2021, 44, 2623-2628.	0.9	43
11	A re-investigation: Effect of powder metallurgy parameters on the physical and mechanical properties of aluminium matrix composites. Materials Today: Proceedings, 2021, 44, 2188-2193.	0.9	41
12	Effect of Multiple Stone-Wales and Vacancy Defects on the Mechanical Behavior of Carbon Nanotubes Using Molecular Dynamics. Procedia Engineering, 2012, 38, 3373-3380.	1.2	40
13	Processing map-microstructure evolution correlation of hot compressed near alpha titanium alloy (TiHy 600). Journal of Alloys and Compounds, 2017, 691, 906-913.	2.8	40
14	Predicting the effect of fiber orientations and boundary conditions on the optimal placement of PZT sensor on the composite structures. Materials Research Express, 2021, 8, 075302.	0.8	39
15	Determination of Optimum Machining Parameters for Face Milling Process of Ti6A14V Metal Matrix Composite. Materials, 2022, 15, 4765.	1.3	39
16	Hot deformation behavior of Zr-2.5Nb alloy: A comparative study using different materials models. Journal of Alloys and Compounds, 2016, 662, 94-101.	2.8	38
17	Optimization of surface roughness in EDM of pure magnesium (Mg) using TLBO. Materials Today: Proceedings, 2020, 26, 2458-2461.	0.9	37
18	Effect of heat-treatment on microstructure and mechanical properties of Ti alloys: An overview. Materials Today: Proceedings, 2020, 26, 2546-2557.	0.9	37

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19	An investigation on classification and characterization of bio materials and additive manufacturing techniques for bioimplants. Materials Today: Proceedings, 2021, 44, 2061-2068.	0.9	37
20	Microwave hybrid heating based optimized joining of SS304/SS316. Materials and Manufacturing Processes, 2021, 36, 1554-1560.	2.7	36
21	Evaluation of mechanical properties of concrete manufactured with fly ash, bagasse ash and banana fibre. Materials Today: Proceedings, 2021, 44, 17-22.	0.9	36
22	A novel approach to understand the deformation behavior in two phase region using processing map. Journal of Alloys and Compounds, 2017, 706, 511-519.	2.8	35
23	Effect of Cu and Mo addition on mechanical properties and microstructure of grey cast iron: An overview. Materials Today: Proceedings, 2020, 26, 2462-2470.	0.9	35
24	Peak stress studies of hot compressed TiHy 600 alloy. Materials Today: Proceedings, 2017, 4, 7365-7374.	0.9	34
25	Mechanical behaviour of Aluminium Alloy AA6063 processed through ECAP with optimum die design parameters. Advances in Materials and Processing Technologies, 2022, 8, 1901-1915.	0.8	33
26	Hot deformation behavior of Zr-1Nb alloy in two-phase region â€“microstructure and mechanical properties. Journal of Alloys and Compounds, 2018, 741, 281-292.	2.8	30
27	Welding Behaviour of Duplex Stainless Steel AISI 2205: AReview. Materials Today: Proceedings, 2019, 18, 2731-2737.	0.9	28
28	Effect of Al2O3 Nanoparticles on Performance and Emission Characteristics of Diesel Engine Fuelled with Dieselâ€“Neem Biodiesel Blends. Sustainability, 2022, 14, 7913.	1.6	27
29	Effect of Temperature and Strain Rate on Deformation Behavior of Zirconium Alloy: Zr-2.5Nb. , 2014, 6, 278-283.		26
30	Deformation analysis of Al Alloy AA2024 through equal channel angular pressing for aircraft structures. Advances in Materials and Processing Technologies, 2022, 8, 828-842.	0.8	25
31	Role of activation energies of individual phases in two-phase range on constitutive equation of Zrâ€“2.5Nbâ€“0.5Cu alloy. Transactions of Nonferrous Metals Society of China, 2017, 27, 172-183.	1.7	24
32	Mechanical and Durability Characteristics Assessment of Geopolymer Composite (GPC) at Varying Silica Fume Content. Journal of Composites Science, 2021, 5, 237.	1.4	24
33	A re-analysis of effect of various process parameters on the mechanical properties of Mg based MMCs fabricated by powder metallurgy technique. Materials Today: Proceedings, 2020, 26, 1953-1959.	0.9	23
34	An outlook on the influence on mechanical properties of AZ31 reinforced with graphene nanoparticles using powder metallurgy technique for biomedical application. Materials Today: Proceedings, 2022, 56, 2278-2287.	0.9	23
35	Manufacturing Techniques for Mg-Based Metal Matrix Composite with Different Reinforcements. Crystals, 2022, 12, 945.	1.0	23
36	Evaluation of Mechanical Properties of Orange Peel Reinforced Epoxy Composite. Materials Today: Proceedings, 2019, 18, 3821-3826.	0.9	22

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37	Microstructural evolution and mechanical properties of 316L stainless steel using multiaxial forging. Advances in Materials and Processing Technologies, 2020, 6, 509-518.	0.8	22
38	Comparative study on the effect of industrial by-products as a replacement of cement in concrete. Materials Today: Proceedings, 2021, 44, 45-51.	0.9	22
39	Hot Deformation Behaviour and Microstructural Evaluation of Zr-1Nb Alloy. Materials Science Forum, 0, 890, 319-322.	0.3	20
40	Equal channel angular processing on aluminium and its alloys â€“ A review. Materials Today: Proceedings, 2022, 56, 2388-2391.	0.9	20
41	Modelling and simulation for fabrication of 3D printed polymeric porous tissue scaffolds. Advances in Materials and Processing Technologies, 2020, 6, 530-539.	0.8	18
42	Effect of microstructure, mechanical and wear on Al-CNTs/graphene hybrid MMCâ€™S. Advances in Materials and Processing Technologies, 2022, 8, 366-379.	0.8	18
43	Micro Forming and its Applications: An Overview. Key Engineering Materials, 0, 924, 73-91.	0.4	18
44	Effect of transverse speed on mechanical and microstructural properties of friction stir welded aluminium AA2024-T351. Advances in Materials and Processing Technologies, 2020, 6, 519-529.	0.8	17
45	Effects on microstructure and mechanical properties of AZ31 reinforced with CNT by powder metallurgy: An overview. Materials Today: Proceedings, 2021, , .	0.9	17
46	Effect of cryogenic treatment on mechanical properties and microstructure of aluminium 6082 alloy. Materials Today: Proceedings, 2020, 26, 2248-2253.	0.9	15
47	Effect of niobium addition in grey cast iron: A short review. Materials Today: Proceedings, 2020, 26, 2337-2343.	0.9	15
48	Influences of Latent Heat on Temperature Field, Weld Bead Dimensions and Melting Efficiency During Welding Simulation. Metals and Materials International, 2021, 27, 2848-2866.	1.8	15
49	Machining and optimization of Zircaloy-2 using different tool electrodes. Materials and Manufacturing Processes, 2021, 36, 1513-1523.	2.7	15
50	Finite element simulation for predicting temperature and residual stresses distribution developed in dissimilar welds of Monel 400 and AISI 309L. Advances in Materials and Processing Technologies, 2022, 8, 1206-1216.	0.8	15
51	Design and Analysis of Biomedical Scaffolds Using TPMS-Based Porous Structures Inspired from Additive Manufacturing. Coatings, 2022, 12, 839.	1.2	15
52	Design, modeling and parametric optimization of WEDM of Inconel 690 using RSM-GRA approach. International Journal on Interactive Design and Manufacturing, 0, , .	1.3	14
53	Flow behaviour of TiHy 600 alloy under hot deformation using gleeble 3800. Advances in Materials and Processing Technologies, 2017, 3, 490-510.	0.8	13
54	Investigation of Thermal Efficiency and Depth of Penetration during GTAW Process. Materials Today: Proceedings, 2019, 18, 2962-2969.	0.9	13

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55	Multi-response Taguchi grey relational analysis of mechanical properties and weld bead dimensions of dissimilar joint of AA6082 and AA7075. Advances in Materials and Processing Technologies, 2022, 8, 1474-1484.	0.8	13
56	Influence of Severe Metal Forming Processes on Microstructure and Mechanical Properties of Mg alloys. Advances in Materials and Processing Technologies, 2022, 8, 2405-2428.	0.8	12
57	Influence of S and Mn on mechanical properties and microstructure of grey cast iron: An overview. Materials Today: Proceedings, 2020, 26, 2770-2775.	0.9	12
58	Effect of silicon addition on microstructure and mechanical properties of grey cast Iron: An overview. Materials Today: Proceedings, 2020, 26, 1393-1401.	0.9	11
59	Insight to the evolution of nano precipitates by cryo rolling plus warm rolling and their effect on mechanical properties in Al 6061 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 811, 141072.	2.6	11
60	Experimental study of the mechanical and durability properties of Slag and Calcined Clay based geopolymer composite. Advances in Materials and Processing Technologies, 2022, 8, 655-669.	0.8	11
61	Role of Various Tool Pin Profiles in Friction Stir Welding of AA2024 Alloys. Journal of Materials Engineering and Performance, 2021, 30, 8606-8615.	1.2	11
62	Constitutive Analysis of Zr-1Nb Alloy for Different Phase Regions. Materials Performance and Characterization, 2019, 8, 821-832.	0.2	11
63	Surface modification of aluminum alloy 6061 by embedding B₄C particles via friction stir processing. Materials Research Express, 2022, 9, 056511.	0.8	11
64	Optimization of dry sliding wear behavior of Si3N4 and Gr reinforced Alâ€“Znâ€“Mgâ€“Cu composites using taguchi method. Journal of Materials Research and Technology, 2022, 19, 4793-4803.	2.6	11
65	Investigation of the mechanical strength of stone dust and ceramic waste based composite. Materials Today: Proceedings, 2021, 44, 29-33.	0.9	10
66	Random Forest Modeling for Fly Ash-Calcined Clay Geopolymer Composite Strength Detection. Journal of Composites Science, 2021, 5, 271.	1.4	10
67	Effects of Various Pseudomonas Bacteria Concentrations on the Strength and Durability Characteristics of Concrete. Buildings, 2022, 12, 993.	1.4	10
68	Role of Stir Casting in development of Aluminium Metal Matrix Composite (AMC): An Overview. IOP Conference Series: Materials Science and Engineering, 2021, 1116, 012022.	0.3	9
69	Experimental investigation on temperature profiles and residual stresses in GTAW dissimilar weldments of AA5052 and AA7075. Advances in Materials and Processing Technologies, 0, , 1-14.	0.8	9
70	Influence of ECAP processing temperature and number of passes on hardness and microstructure of Al-6063. Advances in Materials and Processing Technologies, 0, , 1-12.	0.8	9
71	Novel Additive Manufacturing Processes and Techniques in Industry 4.0. Advances in Business Information Systems and Analytics Book Series, 2020, , 439-455.	0.3	9
72	Zrâ€“Nb Alloys and Its Hot Deformation Analysis Approaches. Metals and Materials International, 2021, 27, 2106-2133.	1.8	8

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73	Effect of Equal-channel angular pressing on mechanical Properties: An overview. Materials Today: Proceedings, 2021, 45, 5602-5607.	0.9	8
74	A Re-investigation: Effect of various parameter on mechanical properties of copper matrix composite fabricated by powder metallurgy. Materials Today: Proceedings, 2021, 45, 4595-4600.	0.9	8
75	Designing & simulation of a lightweight hip implant stem: an FEM based approach. Advances in Materials and Processing Technologies, 2022, 8, 1126-1134.	0.8	8
76	A review on enhancement of mechanical properties of fiber reinforcement polymer composite under different loading rates. Materials Today: Proceedings, 2022, 56, 2316-2322.	0.9	8
77	A re-investigation: Effect of TIG welding parameters on microstructure, mechanical, corrosion properties of welded joints. Materials Today: Proceedings, 2021, 45, 4575-4580.	0.9	7
78	Multilayer perceptron modelling of geopolymer composite incorporating fly ash and GGBS for prediction of compressive strength. Advances in Materials and Processing Technologies, 2022, 8, 1441-1455.	0.8	7
79	A novel ultrahigh conductive Al-Cu composite produced via microwave sintering and post-treated by friction stir process. Advances in Materials and Processing Technologies, 2022, 8, 575-584.	0.8	7
80	Energy-efficient method for developing in-situ Al-Cu metal matrix composites using microwave sintering and friction stir processing. Materials Research Express, 2022, 9, 066507.	0.8	7
81	Effect of Temperature and Strain Rate on Deformation Behavior of Zirconium Alloy: Zr-2.5Nb-0.5Cu. , 2014, 6, 188-193.		6
82	Determination of Instability in Zr-2.5Nb-0.5Cu Using Lyapunov Function. Materials Science Forum, 0, 830-831, 329-332.	0.3	6
83	Texture studies of hot compressed near alpha titanium alloy (IMI 834) at 1000Â°C with different strain rates. IOP Conference Series: Materials Science and Engineering, 2015, 82, 012032.	0.3	6
84	Precipitation Behaviour of Microalloyed Steel During Hot Deformation. Materials Today: Proceedings, 2019, 18, 4821-4825.	0.9	6
85	Application of Hydride Process in Achieving Equimolar TiNbZrHfTa BCC Refractory High Entropy Alloy. Crystals, 2020, 10, 1020.	1.0	6
86	Flow behaviour kinetics of Inconel 600 superalloy under hot deformation using gleeble 3800. Materials Today: Proceedings, 2021, 45, 5320-5322.	0.9	6
87	Effect of processing parameters on equal-channel angular pressing of aluminum alloys: An overview. Materials Today: Proceedings, 2021, 45, 5551-5559.	0.9	6
88	A re-investigation of mechanical properties of aluminium-based surface composites prepared by friction stir processing. Materials Today: Proceedings, 2021, 45, 4550-4557.	0.9	5
89	Investigation on deformation of Inconel alloy 751. Materials Today: Proceedings, 2021, 45, 5377-5380.	0.9	5
90	Performance evaluation of hybrid polymer nanocomposite. Materials Today: Proceedings, 2021, 44, 1659-1663.	0.9	5

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91	Effect of filler wire preheating and nozzle cooling with advanced submerged arc welding process on bead geometry and microstructure. Advances in Materials and Processing Technologies, 2022, 8, 504-518.	0.8	5
92	Design and Comprehensive Study of Biodegradable Zincâ€"based Implants for Bioâ€"medical Applications. Advances in Materials and Processing Technologies, 0, , 1-18.	0.8	5
93	Role of additive manufacturing in dental applications using ceramics: A review. Materials Today: Proceedings, 2022, 56, 2359-2364.	0.9	5
94	Low elastic modulus and highly porous triply periodic minimal surfaces architectured implant for orthopedic applications. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892211112.	1.4	5
95	Quantification of the accuracy of additive manufactured (3D printed) medical models. International Journal on Interactive Design and Manufacturing, 0, , .	1.3	5
96	Investigation of annealing on CR-2 grade steel using Taguchi and Taguchi based gray relational analysis. Advances in Materials and Processing Technologies, 2022, 8, 2231-2246.	0.8	4
97	Critical review of Mg matrix composite for bio-implants through powder metallurgy. Materials Today: Proceedings, 2022, 57, 902-907.	0.9	4
98	Hydrophobic properties and chemical state analysis of wear resistant coating prepared by electrical discharge process. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892210992.	1.4	4
99	Effects of nano filler powder during microwave-based joining of SS304 butt joints. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892211079.	1.4	4
100	Calculation of Fundamental Mechanical Properties of Single Walled Carbon Nanotube Using Non-Local Elasticity. Advanced Materials Research, 0, 383-390, 3840-3844.	0.3	3
101	Development of active ankle foot orthotic device. Materials Today: Proceedings, 2020, 26, 918-921.	0.9	3
102	Numerical Simulation of Cracks in Automotive Coatings Under Mechanical and Thermal Loading Using Element Free Galerkin Method. Advances in Materials and Processing Technologies, 2022, 8, 1029-1047.	0.8	3
103	Microstructure characterisation and mechanical behaviour of AA 6063 T-6 welded joint by friction stir welding. Advances in Materials and Processing Technologies, 2022, 8, 478-488.	0.8	3
104	Effect of post weld heat treatment on mechanical properties of MIG welded mild steel. Advances in Materials and Processing Technologies, 2022, 8, 489-503.	0.8	3
105	Improvement in mechanical properties of structural AZ91 magnesium alloy processed by friction stir processing. Advances in Materials and Processing Technologies, 2022, 8, 1543-1556.	0.8	3
106	Garlic in stress induced myocardial damage. Indian Heart Journal, 1979, 31, 187-8.	0.2	3
107	Effect of chemical and heat treatment on 3D printed parts: nanoparticles embedment approach. Advances in Materials and Processing Technologies, 2022, 8, 2277-2288.	0.8	3
108	Understanding toolâ€"workpiece interfacial friction in friction stir welding/processing and its effect on weld formation. Advances in Materials and Processing Technologies, 2022, 8, 2156-2172.	0.8	3

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109	Optical, morphological, electrical properties and white light photoresponse of CdSe nanoparticles. Advances in Materials and Processing Technologies, 0, , 1-10.	0.8	3
110	Optimization of dry sliding wear behavior of epoxy nanocomposites under different conditions. Materials Research Express, 2022, 9, 065303.	0.8	3
111	Experimental Investigation of Tool Wear in Machining of SiC Based Al-MMC. Advances in Materials and Processing Technologies, 2022, 8, 635-654.	0.8	2
112	Development and characterisation of bacteria as a potential application in enduring the mechanical and durability characteristic of cement composite. Advances in Materials and Processing Technologies, 2022, 8, 1604-1621.	0.8	2
113	Physical simulation on Joining of 700 MC steel: A HAZ and CCT curve study. Materials Research Express, 2022, 9, 046522.	0.8	2
114	Critical Review on 3D Scaffolds Materials. Materials Science Forum, 0, 1065, 129-143.	0.3	2
115	Molecular dynamics evaluation of mechanical properties of carbon nanotubes with number of Stone-Wales defects. , 2011, , .		1
116	Percutaneous transhepatic cholangioplasty: An effective treatment in patients with benign biliary stricture. Current Medicine Research and Practice, 2014, 4, 7-12.	0.1	1
117	Electrochemical studies and surface examination of low carbon steel by applying the extract of Terminalia chebula. Materials Today: Proceedings, 2020, 26, 1360-1367.	0.9	1
118	Magnetic abrasive flow finishing: A review. Materials Today: Proceedings, 2020, 26, 3257-3264.	0.9	1
119	A novel hybrid soft computing model using stacking with ensemble method for estimation of compressive strength of geopolymer composite. Advances in Materials and Processing Technologies, 0, , 1-16.	0.8	1
120	Effect of die geometry on thermal fatigue analysis of aluminium alloy (A02240) dies of low melting point alloys casting using pressure die casting process. Advances in Materials and Processing Technologies, 0, , 1-13.	0.8	1
121	Thermal fatigue analysis of Saffil reinforced aluminium alloys using pressure die casting process. Advances in Materials and Processing Technologies, 0, , 1-13.	0.8	1
122	Topical amiloride solution accelerates healing of mechanical skin ulcers in albino rats. Methods and Findings in Experimental and Clinical Pharmacology, 2000, 22, 671.	0.8	1
123	A simple gravimetric method for estimation of plasma fibrinogen. Indian Journal of Physiology and Pharmacology, 1979, 23, 137-9.	0.4	1
124	Effect of pinealectomy on daily rhythm of blood glucose in rabbits. Indian Journal of Experimental Biology, 1991, 29, 278-9.	0.5	1
125	Prognostic value of plasma fibrinogen in myocardial infarction. Journal of Postgraduate Medicine, 1983, 29, 233-5.	0.2	1
126	Recent trends in bio-materials and advances in design of spinal fusion implants. Advances in Materials and Processing Technologies, 2022, 8, 2122-2141.	0.8	1

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127	Residual stress investigation in the metallic coating approach of micro-sized particles on the substrate: cold spray additive manufacturing. Advances in Materials and Processing Technologies, 2022, 8, 4642-4658.	0.8	1
128	Design and analysis of crack-tip fields in plastically compressible hardening solids under cyclic loading. International Journal on Interactive Design and Manufacturing, 0, , .	1.3	1
129	Ileal atresia. Current Medicine Research and Practice, 2018, 8, 197-198.	0.1	0
130	Lymphangitic carcinomatosis. Current Medicine Research and Practice, 2019, 9, 120-121.	0.1	0
131	Surface mechano-chemical case carburising treatment (SMCT) of Ni-Cr-Mo steel: a post-annealing and differential scanning calorimetric (DSC) analysis. Advances in Materials and Processing Technologies, 2020, 6, 338-349.	0.8	0
132	Mechanical Characterisation and Study of Nickel Based super alloy 718 at Subzero Temperatures. Advances in Materials and Processing Technologies, 0, , 1-15.	0.8	0
133	Synthesis and antiinflammatory activity of newer pyrazolinylbenzidines and isoxazolinylbenzidines. Indian Journal of Pharmaceutical Sciences, 2014, 76, 299-307.	1.0	0
134	Radiological manifestations of thalassaemia. Current Medicine Research and Practice, 2021, 11, 248.	0.1	0
135	An experimental investigation to correlate changes in plasma fibrinolytic activity with isoprenaline induced myocardial damage. Journal of Postgraduate Medicine, 1979, 25, 147-53.	0.2	0
136	Propranolol and experimental myocardial necrosis. Indian Journal of Physiology and Pharmacology, 1977, 21, 401-2.	0.4	0
137	The effect of piperazine adipate and parbendazole on the carbohydrate metabolism of Ascaridia galli and Heterakis gallinae. Angewandte Parasitologie, 1987, 28, 207-10.	0.2	0
138	Comparison of two prognostic indices in acute myocardial infarction. Journal of Postgraduate Medicine, 1985, 31, 196-8.	0.2	0
139	Acute intermittent porphyria. Journal of the Indian Medical Association, 1972, 58, 47-9.	0.2	0
140	Modification of glybenclamide hypoglycaemia by phenytoin in rabbits. Indian Journal of Experimental Biology, 1981, 19, 54-6.	0.5	0
141	Plasma fibrinolytic activity and fibrinogen: their relationship in cardiac injury. Journal of Postgraduate Medicine, 1982, 28, 200-5.	0.2	0
142	Prevention of chemically induced myocardial damage & concomitant changes in fibrinolytic system by acetyl salicylic acid in rats. Indian Journal of Experimental Biology, 1980, 18, 410-3.	0.5	0
143	High-Temperature Corrosion Performance of FeAl-Based Alloys Containing Carbon in Molten Salt. Metals, 2021, 11, 2040.	1.0	0
144	Influence of processing and microstructure on the corrosion behavior of ultrafine grained Al 5083 alloy. Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering, 0, , 095440892211013.	1.4	0