

# Ram Tyagi

## List of Publications by Year in descending order

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33  
papers

248  
citations

1040056

9  
h-index

1125743

13  
g-index

36  
all docs

36  
docs citations

36  
times ranked

115  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deformation analysis of Al Alloy AA2024 through equal channel angular pressing for aircraft structures. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 828-842.	1.4	25
2	Mechanical behaviour of Aluminium Alloy AA6063 processed through ECAP with optimum die design parameters. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 1901-1915.	1.4	33
3	Exploratory analysis of vehicular light weighting with the application of carpooling system vs. synthesis and utilisation of E-glass-based composites and its effects over emissions and energy saving in the city of Delhi. <i>International Journal of Ambient Energy</i> , 2021, 42, 973-980.	2.5	0
4	Advancement in Different Materials Used for Aircraft Structure Processed Through Equal Channel Angular Pressing. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 407-417.	0.4	0
5	Review on Thermal Spray Coating Methods and Property of Different Types of Metal-Based Coatings. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 427-439.	0.4	5
6	Technological Resources for Fighting COVID-19 Pandemic Health Issues. <i>Journal of Industrial Integration and Management</i> , 2021, 06, 271-285.	4.8	7
7	A Newer Universal Model for Attaining Thin Film of Varied Composition During Sputtering. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 629-638.	0.4	5
8	Theoretical analysis of equal channel angular pressing method for grain refinement of metals and alloys. <i>Materials Today: Proceedings</i> , 2020, 25, 668-673.	1.8	12
9	Deformation and strain analysis for grain refinement of materials processed through equal channel angular pressing. <i>Materials Today: Proceedings</i> , 2020, 21, 1513-1519.	1.8	11
10	Increasing the Comfort of the Harianavi Bullocks by Reduction of Contact Pressure on Neck by Designing a Body Contoured Yoke. <i>Journal of Applied Animal Welfare Science</i> , 2020, 23, 424-432.	1.0	0
11	Strength and corrosion analysis in alloy steel and E-glass composite wear ring in automotive engine cooling water pump. <i>Materials Today: Proceedings</i> , 2020, 21, 1474-1478.	1.8	2
12	Experimental investigation and effects of process parameters on EDM of Al7075/SiC composite reinforced with magnesium particles. <i>Materials Today: Proceedings</i> , 2020, 21, 1496-1501.	1.8	13
13	Comparative Micro Structural Investigation of Al-SiC-Mg and Al-B4C-Mg Particulate Metal Matrix Composite. <i>Annales De Chimie: Science Des Materiaux</i> , 2020, 44, 103-108.	0.4	0
14	Investigation of Titanium as Thin Film Deposited Material Thereon Effect on Mechanical Properties. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 315-323.	0.4	9
15	Design of EGR Cooler for Improving the Effectiveness to Constraint NOx Emission. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 459-468.	0.4	1
16	To Reduce Pollution Due to Burning of Coal in Thermal Power Plant. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 563-570.	0.4	0
17	Comparison of different methods of Severe Plastic Deformation for grain refinement. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 691, 012074.	0.6	27
18	Vehicular Light Weighting by Finite Element Simulation of E Glass-Based Composite Automotive Seat. <i>Materials Performance and Characterization</i> , 2019, 8, 20180136.	0.3	2

#	ARTICLE	IF	CITATIONS
19	An Experimental Evaluation of Mechanical Properties and Microstructure Change on Thin-Film Coated AISI-1020 Steel. <i>Materials Performance and Characterization</i> , 2019, 8, 20180143.	0.3	7
20	Weight Reduction of Structural Members for Ground Vehicles by the Introduction of FRP Composite and Its Implications. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 277-290.	0.4	4
21	The effect of using the turbulence enhancement unit before the catalytic converter in diesel engine emissions. <i>International Journal of Ambient Energy</i> , 2018, 39, 73-77.	2.5	5
22	Case Study: Composite Material Yoke Versus Wooden Yoke for Bullocks™ Comfort. <i>Journal of Applied Animal Welfare Science</i> , 2018, 21, 103-107.	1.0	1
23	Emission characteristic of hydrogen and gasoline blend in spark-ignited engine. <i>International Journal of Ambient Energy</i> , 2017, 38, 14-18.	2.5	6
24	A new technique for enviromental management by the introduction of an innovative device in the field of automotive industry. , 2017, , .		0
25	Conversion efficiency of catalytic converter. <i>International Journal of Ambient Energy</i> , 2016, 37, 507-512.	2.5	16
26	TURBULENT SINK FLOW BETWEEN TWO DISKS. <i>Advances and Applications in Fluid Mechanics</i> , 2016, 19, 367-377.	0.1	0
27	Effect of heating the catalytic converter on emission characteristic of gasoline automotive vehicles. <i>International Journal of Ambient Energy</i> , 2015, 36, 235-241.	2.5	16
28	A review of few unconventional machining processes based on the concept of velocity shear instability in plasma. <i>Production and Manufacturing Research</i> , 2014, 2, 216-227.	1.5	3
29	Performance studies on flat plate solar air heater subjected to various flow patterns. <i>Applied Solar Energy (English Translation of Geliotekhnika)</i> , 2014, 50, 98-102.	1.6	13
30	Theoretical analysis of silicon surface roughness induced by plasma etching. <i>Surface Engineering and Applied Electrochemistry</i> , 2013, 49, 78-82.	0.8	3
31	Non-traditional machining processes by means of velocity shear instability in plasma. <i>Surface Engineering and Applied Electrochemistry</i> , 2012, 48, 64-68.	0.8	5
32	Surface coating by means of velocity shear instability in plasma. <i>Theoretical Foundations of Chemical Engineering</i> , 2012, 46, 508-514.	0.7	1
33	Analysis of electrostatic ion-cyclotron instability driven by parallel flow velocity shear. <i>Surface Engineering and Applied Electrochemistry</i> , 2011, 47, 370-377.	0.8	12