

Apurba Kumar Roy

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

114
citations

1937685

4
h-index

1872680

6
g-index

25
all docs

25
docs citations

25
times ranked

118
citing authors

#	ARTICLE	IF	CITATIONS
1	Python assisted numerical analysis of heat conduction for an orthotropic material. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 2014-2028.	1.4	2
2	Analysis of Different Mould Section Sizes to Optimize the Submerged Entry Nozzle to Measure the Meniscus Fluctuation in a Continuous Casting Mould. <i>Crystals</i> , 2021, 11, 564.	2.2	1
3	Influence of Submerged Entry Nozzle Port Blockage on the Meniscus Fluctuation Considering Various Operational Parameters. <i>Metals</i> , 2020, 10, 269.	2.3	2
4	Forced convection heat transfer in a twin cylinder system under static condition using computational approach. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
5	Fuzzy Logic Approach for Material Selection in Mechanical Engineering Design. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2019, , 99-116.	1.0	0
6	Application of Renewable Energy System With Fuzzy Logic. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2019, , 284-309.	1.0	2
7	Fuzzy Logic for Machining Applications. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2019, , 341-361.	1.0	0
8	Design validation & stress analysis of mixed flow pump impeller blades under applied uniformly distributed and uniformly varying loads.. <i>Materials Today: Proceedings</i> , 2018, 5, 4646-4652.	1.8	2
9	Design and Optimization of Mixed Flow Pump Impeller Blades – A Review. <i>Materials Today: Proceedings</i> , 2018, 5, 4460-4466.	1.8	5
10	Design and Optimization of Mixed Flow Pump Impeller Blades with Hydrostatic Loading and Varying Semi-Cone Angle. <i>Materials Today: Proceedings</i> , 2018, 5, 11608-11615.	1.8	2
11	Design and optimization of mixed flow pump impeller blades by varying semi-cone angle. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 330, 012095.	0.6	3
12	Optimization of Process Parameters in Plasma Arc Cutting Applying Genetic Algorithm and Fuzzy Logic. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2018, , 123-139.	1.0	1
13	Design of Impeller Blade of Mixed Flow Pump. <i>Advances in Mechatronics and Mechanical Engineering</i> , 2018, , 37-66.	1.0	0
14	Design of Mixed Flow Pump Impeller Blade using Mean Stream Line Theory and its Analysis. <i>Scientia Iranica</i> , 2018, .	0.4	1
15	Material Analysis for Blade of a Mixed Flow Pump Impeller Designed Through Mean Stream Line Method. <i>Materials Today: Proceedings</i> , 2017, 4, 1580-1589.	1.8	3
16	Comparison of Stresses in Blade of a Mixed Flow Pump Impeller Designed Using Mean Stream Line Method and Free Vortex Method. <i>Materials Today: Proceedings</i> , 2017, 4, 9333-9340.	1.8	2
17	Vibration Analysis of Mixed Flow Pump Impeller Blade Designed Using Mean Stream Line Method. <i>Applied Mechanics and Materials</i> , 2016, 852, 476-482.	0.2	2
18	Design of Blade of Mixed Flow Pump Impeller Using Mean Stream Line Method. <i>Procedia Technology</i> , 2016, 23, 464-471.	1.1	1

#	ARTICLE	IF	CITATIONS
19	Strategic Designing and Optimization of Mixed Flow Impeller Blades for Maritime Applications. Advances in Logistics, Operations, and Management Science Book Series, 2016, , 470-508.	0.4	0
20	Material Selection for Blades of Mixed Flow Pump Impeller Using ANSYS. Materials Today: Proceedings, 2015, 2, 2022-2029.	1.8	6
21	Design of a Mixed Flow Pump Impeller and its Validation Using FEM Analysis. Procedia Technology, 2014, 14, 181-187.	1.1	8
22	Effect and Optimization of Various Machine Process Parameters on the Surface Roughness in EDM for an EN19 Material Using Response Surface Methodology. , 2014, 5, 1702-1709.		7
23	Design analysis of Mixed Flow Pump Impeller Blades Using ANSYS and Prediction of its Parameters using Artificial Neural Network. Procedia Engineering, 2014, 97, 2022-2031.	1.2	14
24	Design of a Mixed Flow Pump Impeller Blade and its Validation Using Stress Analysis. , 2014, 6, 417-424.		12
25	Effect and Optimization of Various Machine Process Parameters on the Surface Roughness in EDM for an EN41 Material Using Grey-Taguchi. , 2014, 6, 383-390.		37