

# Ajay D Pingale

## List of Publications by Year in descending order

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27  
papers

289  
citations

840776

11  
h-index

940533

16  
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28  
docs citations

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times ranked

93  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of Cu-Ni/Gr nanocomposite coatings by electro-co-deposition method: effect of current density. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	30
2	Effect of Graphene Nanoplatelets Addition on the Mechanical, Tribological and Corrosion Properties of Cu-Ni/Gr Nanocomposite Coatings by Electro-co-deposition Method. <i>Transactions of the Indian Institute of Metals</i> , 2020, 73, 99-107.	1.5	28
3	Facile synthesis of graphene by ultrasonic-assisted electrochemical exfoliation of graphite. <i>Materials Today: Proceedings</i> , 2021, 44, 467-472.	1.8	28
4	A novel approach for facile synthesis of Cu-Ni/GNPs composites with excellent mechanical and tribological properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 260, 114643.	3.5	27
5	Recent researches on Cu-Ni alloy matrix composites through electrodeposition and powder metallurgy methods: A review. <i>Materials Today: Proceedings</i> , 2021, 47, 3301-3308.	1.8	18
6	Investigation on electrical properties of Cu matrix composite reinforced by multi-walled carbon nanotubes. <i>Materials Today: Proceedings</i> , 2019, 18, 3201-3208.	1.8	15
7	Development and characterization of Cu-Gr composite coatings by electro-co-deposition technique. <i>Materials Today: Proceedings</i> , 2020, 28, 2090-2095.	1.8	15
8	Experimental Study of Pool Boiling Enhancement Using a Two-Step Electrodeposited Cu-GNPs Nanocomposite Porous Surface With R-134a. <i>Journal of Heat Transfer</i> , 2021, 143, .	2.1	15
9	The influence of graphene nanoplatelets (GNPs) addition on the microstructure and mechanical properties of Cu-GNPs composites fabricated by electro-co-deposition and powder metallurgy. <i>Materials Today: Proceedings</i> , 2020, 28, 2062-2067.	1.8	14
10	A review on the effects of porous coating surfaces on boiling heat transfer. <i>Materials Today: Proceedings</i> , 2021, 44, 362-367.	1.8	13
11	Effect of GNPs Concentration on the Pool Boiling Performance of R-134a on Cu-GNPs Nanocomposite Coatings Prepared by a Two-Step Electrodeposition Method. <i>International Journal of Thermophysics</i> , 2021, 42, 1.	2.1	13
12	Electro-codeposition and properties of Cu-Ni-MWCNTs composite coatings. <i>Transactions of the Institute of Metal Finishing</i> , 2021, 99, 126-132.	1.3	12
13	Experimental Investigation of Thermosyphon for Different Parameters. <i>IOSR Journal of Mechanical and Civil Engineering</i> , 2017, 14, 76-85.	0.1	9
14	Preparation of novel Zn/Gr MMC using a modified electro-co-deposition method: Microstructural and tribo-mechanical properties. <i>Materials Today: Proceedings</i> , 2021, 44, 222-228.	1.8	8
15	Enhancement of Pool Boiling Heat Transfer Performance of R-134a on Microporous Al@GNPs Composite Coatings. <i>International Journal of Thermophysics</i> , 2022, 43, 1.	2.1	8
16	Measurement of Gear Stiffness of Healthy and Cracked Spur Gear by Strain Gauge Technique. <i>International Journal of Mechanical Engineering</i> , 2018, 5, 9-15.	0.2	6
17	Facile and Scalable Co-deposition of Anti-bacterial Zn-GNS Nanocomposite Coatings for Hospital Facilities: Tribo-Mechanical and Anti-corrosion Properties. <i>Jom</i> , 2021, 73, 4270.	1.9	6
18	Electro-codeposited Zn-Ni/Gr composite coatings: Effect of graphene concentrations in the electrolyte bath on tribo-mechanical, anti-corrosion and anti-bacterial properties. <i>Transactions of the Institute of Metal Finishing</i> , 2021, 99, 324-331.	1.3	5

#	ARTICLE	IF	CITATIONS
19	A brief manifestation of anti-bacterial nanofiller reinforced coatings against the microbial growth based novel engineering problems. <i>Materials Today: Proceedings</i> , 2021, 47, 3320-3320.	1.8	4
20	Experimental investigation of pool boiling heat transfer performance of refrigerant R-134a on differently roughened copper surfaces. <i>Materials Today: Proceedings</i> , 2021, 47, 3269-3275.	1.8	4
21	Effect of Current on the Characteristics of CuNi-G Nanocomposite Coatings Developed by DC, PC and PRC Electrodeposition. <i>Jom</i> , 2021, 73, 4299-4308.	1.9	4
22	Fabrication and tribo-mechanical performance of Cu@Al <sub>2</sub> O <sub>3</sub> composite. <i>Materials Today: Proceedings</i> , 2022, 64, 1175-1181.	1.8	3
23	Structure Design and Development of Engine Crankshaft Damper. <i>International Journal of Mechanical Engineering</i> , 2018, 5, 1-8.	0.2	2
24	Fabrication of Cu@G composite coatings and their pool boiling performance with R-134a and R-1234yf. <i>Advances in Materials and Processing Technologies</i> , 0, , 1-13.	1.4	1
25	Developing Al@GNPs composite coating for pool boiling applications by combining mechanical milling, screen printing and sintering methods. <i>Advances in Materials and Processing Technologies</i> , 2022, 8, 2110-2121.	1.4	1
26	Developing sustainable Zn-MWCNTs composite coatings using electrochemical co-deposition method: Tribological and surface wetting behavior. <i>Advances in Materials and Processing Technologies</i> , 0, , 1-14.	1.4	0
27	Fabrication of aluminum coatings via thermal evaporation technique for enhancement of pool boiling performance of R-600a. <i>Materials Today: Proceedings</i> , 2022, 62, 2946-2953.	1.8	0