

Arkadeb Mukhopadhyay

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Tribological behavior of sodium borohydride reduced electroless nickel alloy coatings at room and elevated temperatures. <i>Surface and Coatings Technology</i> , 2017, 321, 464-476.	2.2	47
2	Tribological Performance Optimization of Electroless Ni-B Coating under Lubricated Condition using Hybrid Grey Fuzzy Logic. <i>Journal of the Institution of Engineers (India): Series D</i> , 2016, 97, 215-231.	0.6	31
3	Effect of Operating Temperature on Tribological Behavior of As-Plated Ni-B Coating Deposited by Electroless Method. <i>Tribology Transactions</i> , 2018, 61, 41-52.	1.1	26
4	Study of wear and friction of chemically deposited Ni-P-W coating under dry and lubricated condition. <i>Surfaces and Interfaces</i> , 2017, 6, 177-189.	1.5	23
5	Modeling and Optimization of Fractal Dimension in Wire Electrical Discharge Machining of EN 31 Steel Using the ANN-GA Approach. <i>Materials</i> , 2019, 12, 454.	1.3	23
6	EFFECTS OF HEAT TREATMENT ON TRIBOLOGICAL BEHAVIOR OF ELECTROLESS Ni-B COATING AT ELEVATED TEMPERATURES. <i>Surface Review and Letters</i> , 2017, 24, 1850014.	0.5	20
7	Effect of Heat Treatment on the Characteristics of Electroless Ni-B, Ni-B-W and Ni-B-Mo Coatings. <i>Materials Today: Proceedings</i> , 2018, 5, 3306-3315.	0.9	20
8	Comparative Study of Tribological Behavior of Electroless Ni-B, Ni-B-Mo, and Ni-B-W Coatings at Room and High Temperatures. <i>Lubricants</i> , 2018, 6, 67.	1.2	20
9	Wear and friction characteristics of electroless Ni-B-W coatings at different operating temperatures. <i>Materials Research Express</i> , 2018, 5, 026526.	0.8	19
10	Tribological behavior of electroless Ni-B-W coating at room and elevated temperatures. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2018, 232, 1450-1466.	1.0	18
11	Corrosion protection of reinforcement steel rebars by the application of electroless nickel coatings. <i>Engineering Research Express</i> , 2019, 1, 015021.	0.8	17
12	Friction and Wear Performance of Electroless Ni-B Coatings at Different Operating Temperatures. <i>Silicon</i> , 2019, 11, 721-731.	1.8	16
13	Optimization of Friction and Wear Properties of Electroless Ni-P Coatings Under Lubrication Using Grey Fuzzy Logic. <i>Journal of the Institution of Engineers (India): Series D</i> , 2017, 98, 255-268.	0.6	13
14	Tribological Behavior and Corrosion Resistance of Electroless Ni-B-W Coatings. <i>Journal of Molecular and Engineering Materials</i> , 2017, 05, 1750010.	0.9	13
15	EFFECT OF HEAT TREATMENT ON MICROSTRUCTURE AND CORROSION RESISTANCE OF Ni-B-W-Mo COATING DEPOSITED BY ELECTROLESS METHOD. <i>Surface Review and Letters</i> , 2018, 25, 1950023.	0.5	12
16	TRIBOLOGICAL CHARACTERISTICS OF ELECTROLESS Ni-B-Mo COATINGS AT DIFFERENT OPERATING TEMPERATURES. <i>Surface Review and Letters</i> , 2019, 26, 1850175.	0.5	12
17	Wear Analysis of Electroless Ni-P Coating Under Lubricated Condition Using Fuzzy Logic. <i>Portugaliae Electrochimica Acta</i> , 2016, 34, 63-82.	0.4	11
18	Investigation of Wear Behavior of Electroless Ni-P-W Coating under Dry and Lubricated Conditions Using RSM and Fuzzy Logic. <i>Portugaliae Electrochimica Acta</i> , 2016, 34, 231-255.	0.4	11

#	ARTICLE	IF	CITATIONS
19	Investigation of Friction and Wear Properties of Electroless Ni-Cu Coating Under Dry Condition. Journal of Molecular and Engineering Materials, 2016, 04, 1640013.	0.9	10
20	Effect of Heat Treatment on Tribological Behavior of Electroless Ni-B-Mo Coatings at Different Operating Temperatures. Silicon, 2018, 10, 1203-1215.	1.8	10
21	Improving corrosion resistance of reinforcement steel rebars exposed to sulphate attack by the use of electroless nickel coatings. European Journal of Environmental and Civil Engineering, 2022, 26, 5180-5195.	1.0	8
22	Optimization of Wear Performance of Electroless Ni-B Coating under Lubrication. International Journal of Engineering and Technologies, 0, 7, 94-103.	0.0	8
23	Wear behavior of electroless Ni-P-W coating under lubricated condition - a Taguchi based approach. IOP Conference Series: Materials Science and Engineering, 2016, 149, 012004.	0.3	7
24	Co-deposition of W and Mo in electroless Ni-B coating and its effect on the surface morphology, structure, and tribological behavior. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2021, 235, 149-161.	0.7	7
25	The use of machine learning and metaheuristic algorithm for wear performance optimization of AISI 1040 steel and investigation of corrosion resistance. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2023, 237, 701-717.	1.0	7
26	Tribology of Electroless Ni-P Coating Under Lubricated Condition. International Journal of Surface Engineering and Interdisciplinary Materials Science, 2017, 5, 37-57.	0.2	5
27	Corrosion performance of steel rebars by application of electroless Ni-P-W coating: An optimization approach using grey relational analysis. FME Transactions, 2021, 49, 445-455.	0.7	5
28	Corrosion Resistance of Electroless Ni-B-W-Mo Coatings Using Electrochemical Impedance Spectroscopy. Portugaliae Electrochimica Acta, 2019, 37, 193-203.	0.4	5
29	Optimization of Multiple Roughness Characteristics for Turning of AISI 1040 Steel under Different Cutting Conditions. International Journal of Engineering and Technologies, 0, 10, 1-10.	0.0	4
30	Tribological Performance Optimization of Electroless Nickel Coatings Under Lubricated Condition. Advances in Mechatronics and Mechanical Engineering, 2018, , 250-280.	1.0	4
31	Optimization of Fractal Dimension of Turned AISI 1040 Steel Surface Considering Different Cutting Conditions. International Journal of Surface Engineering and Interdisciplinary Materials Science, 2019, 7, 19-33.	0.2	3
32	Evaluation of Tribological Properties and Optimization of Electroless Ni-P-W Coating Under Dry Condition Using Grey Fuzzy Analysis. Tribology in Industry, 2017, 39, 50-62.	0.5	3
33	Parametric investigation of vibration of stiffened structural steel plates using finite element analysis and grey relational analysis. Reports in Mechanical Engineering, 2022, 3, 108-115.	4.9	2
34	Evaluation of Friction Behavior of Electroless Ni-B Coating and its Optimization under Engine Oil Lubricated Condition. Materials Today: Proceedings, 2017, 4, 9997-10001.	0.9	1
35	Behaviour Analysis and Comparison of Tribological Characteristics of Electroless Ni-B Coating under Dry and Lubricated Condition. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 35-58.	0.4	1
36	High Temperature Tribology of Surface Coatings. Materials Horizons, 2021, , 25-48.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Measurement, modelling and optimization of the average temperature at the tool work interface for turning of AISI 1040 steel using ANN-GA methodology. Engineering Research Express, 2021, 3, 035020.	0.8	1
38	Electroless Nickel Coatings for High Temperature Applications. Advances in Chemical and Materials Engineering Book Series, 2018, , 297-331.	0.2	1
39	Corrosion Protection of Construction Steel. Advances in Chemical and Materials Engineering Book Series, 2020, , 327-347.	0.2	1
40	Investigation of Tribological Properties under Dry Condition of Chemically Deposited Ni-P-W Coating. Materials Today: Proceedings, 2017, 4, 10010-10014.	0.9	0
41	Investigation and Optimization of Tribological Behavior of Electroless Ni-B Coating at Elevated Temperatures. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 1-18.	0.4	0
42	Tribological Measurement of Electroless Nickel Coatings. Materials Forming, Machining and Tribology, 2019, , 125-151.	0.7	0