Naiming Lin

List of Publications by Year
in descending order

42 papers	814 citations	471509 17 h-index	501196 28 g-index
42 all docs	42 docs citations	42 times ranked	769 citing authors

#	Article	IF	Citations
1	Recent advances in gum metal: Synthesis, performance and application. Critical Reviews in Solid State and Materials Sciences, 2023, 48, 257-288.	12.3	2
2	Structure and synthesis of MAX phase materials: a brief review. Critical Reviews in Solid State and Materials Sciences, 2022, 47, 736-771.	12.3	27
3	Correlation between surface textural parameter and tribological behaviour of four metal materials with laser surface texturing (LST). Applied Surface Science, 2022, 583, 152410.	6.1	19
4	Application of ultrasonic nanocrystal surface modification (UNSM) technique for surface strengthening of titanium and titanium alloys: a mini review. Journal of Materials Research and Technology, 2021, 11, 351-377.	5.8	60
5	A microscopic spatially confined strategy to realize completely reversible self-healing lattice restoration of MoS₂ for ultrastable reversible sodium-ion storage. New Journal of Chemistry, 2021, 45, 18575-18583.	2.8	2
6	Improved oxidation resistance of CoNiCrAlTaHfY/Co coating on C/C composites by vapor phase surface alloying. Journal of Materials Research, 2020, 35, 500-507.	2.6	2
7	RESEARCH STATUS OF DRY FRICTION BEHAVIOR OF METALLIC MATERIALS: A BRIEF REVIEW. Surface Review and Letters, 2020, 27, 2030003.	1.1	2
8	Recent developments in research of double glow plasma surface alloying technology: a brief review. Journal of Materials Research and Technology, 2020, 9, 6859-6882.	5.8	53
9	Manipulation tribological behavior of Ti6Al4V alloy via a duplex treatment of double glow plasma surface molybdenizing-laser surface texturing (LST). Journal of Materials Research and Technology, 2020, 9, 6360-6375.	5.8	17
10	In-situ fabrication of gradient titanium oxide ceramic coating on laser surface textured Ti6Al4V alloy with improved mechanical property and wear performance. Vacuum, 2020, 176, 109327.	3.5	55
11	DOUBLE GLOW PLASMA SURFACE TITANIZING ON AISI 316 STAINLESS STEEL WITH IMPROVED WEAR RESISTANCE: EFFECTS OF PROCESS PARAMETERS. Surface Review and Letters, 2020, 27, 1950178.	1.1	0
12	COMBINED PLASMA NITRIDING AND SURFACE TEXTURING FOR IMPROVING TRIBOLOGICAL PERFORMANCE OF 316 STAINLESS STEEL. Surface Review and Letters, 2020, 27, 1950226.	1.1	0
13	Tailoring Tribological Performance of Pure Titanium by a Duplex Treatment of Laser Surface Texturing-Thermal Oxidation. Journal of Materials Engineering and Performance, 2020, 29, 4047-4062.	2.5	5
14	Surface damage mitigation of titanium and its alloys via thermal oxidation: A brief review. Reviews on Advanced Materials Science, 2019, 58, 132-146.	3.3	27
15	Regulation of the Crystal Structure Leading to the Bandgap Widening and Phonon Scattering Increasing in Cu 3 SnS 4 â€Cu 3 SbSe 3 Chalcogenides. Advanced Electronic Materials, 2019, 5, 1900485.	5.1	12
16	A combined surface treatment of surface texturing-double glow plasma surface titanizing on AISI 316 stainless steel to combat surface damage: Comparative appraisals of corrosion resistance and wear resistance. Applied Surface Science, 2019, 493, 747-765.	6.1	41
17	Preparation of titanizing coating on AISI 316 stainless steel by pack cementation to mitigate surface damage: Estimations of corrosion resistance and tribological behavior. Journal of Physics and Chemistry of Solids, 2019, 129, 387-400.	4.0	24
18	Effect of laser surface texturing (LST) on tribological behavior of double glow plasma surface zirconizing coating on Ti6Al4V alloy. Surface and Coatings Technology, 2019, 368, 97-109.	4.8	56

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19	Surface damage mitigation of TC4 alloy via micro arc oxidation for oil and gas exploitation application: Characterizations of microstructure and evaluations on surface performance. Applied Surface Science, 2018, 436, 467-476.	6.1	39
20	Tribological Behavior of Electrochemically Etched AISI 316 Stainless Steel with a Textured Surface. Journal of Materials Engineering and Performance, 2018, 27, 6616-6628.	2.5	2
21	Surface Texture-Based Surface Treatments on Ti6Al4V Titanium Alloys for Tribological and Biological Applications: A Mini Review. Materials, 2018, 11, 487.	2.9	80
22	Surface damage mitigation of Ti6Al4V alloy via thermal oxidation for oil and gas exploitation application: characterization of the microstructure and evaluation of the surface performance. RSC Advances, 2017, 7, 13517-13535.	3.6	45
23	The role of excess Sn in Cu₄Sn₇S₁₆ for modification of the band structure and a reduction in lattice thermal conductivity. Journal of Materials Chemistry C, 2017, 5, 4206-4213.	5.5	22
24	HIGH-TEMPERATURE TRIBOLOGICAL BEHAVIORS OF TiNi/Ti₂Ni ALLOYED LAYER ON SURFACE OF Ti6Al4V ALLOY. Surface Review and Letters, 2017, 24, 1750028.	1.1	4
25	Surface Texturing-Plasma Nitriding Duplex Treatment for Improving Tribological Performance of AISI 316 Stainless Steel. Materials, 2016, 9, 875.	2.9	30
26	Wear and corrosion resistance of electroless plating Ni-P coating on P110 steel. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 622-625.	1.0	7
27	Highly ordered Niâ€“Tiâ€“O nanotubes for non-enzymatic glucose detection. Materials Science and Engineering C, 2015, 51, 37-42.	7.3	31
28	Failure Behavior Characterization of Mo-Modified Ti Surface by Impact Test and Finite Element Analysis. Journal of Materials Engineering and Performance, 2015, 24, 2678-2687.	2.5	2
29	THERMAL OXIDATION OF Ti6Al4V ALLOY WITH ENHANCED WEAR AND CORROSION RESISTANCE FOR OIL AND GAS APPLICATION: EFFECT OF TEMPERATURE. Surface Review and Letters, 2015, 22, 1550033.	1.1	8
30	AN ELECTROCHEMICAL PROCESSING STRATEGY FOR IMPROVING TRIBOLOGICAL PERFORMANCE OF AISI 316 STAINLESS STEEL UNDER GREASE LUBRICATION. Surface Review and Letters, 2014, 21, 1450006.	1.1	3
31	Application of artificial neural network in predicting the thickness of chromizing coatings on P110 steel. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 196-201.	1.0	10
32	Slurry erosion behaviors of P110 steel and chromizing coating in liquid-solid two-phase flow. Science China Technological Sciences, 2013, 56, 1415-1423.	4.0	8
33	Study on Fabrication and Corrosion Resistance of Ni-Based Alloy Coating on P110 Steel by Electro Spark Deposition. Journal of Materials Engineering and Performance, 2013, 22, 1365-1370.	2.5	15
34	Microstructure, antibacterial properties and wear resistance of plasma Cuâ€“Ni surface modified titanium. Surface and Coatings Technology, 2013, 232, 515-520.	4.8	44
35	THERMALLY OXIDIZED C, N CO-DOPED ANATASE-TiO2 COATINGS ON STAINLESS STEEL FOR TRIBOLOGICAL PROPERTIES. Modern Physics Letters B, 2013, 27, 1341016.	1.9	0
36	INVESTIGATION ON ANTIBACTERIAL PROPERTY OF Cu-COATING ON PURE TITANIUM FABRICATED VIA PLASMA SURFACE ALLOYING. Modern Physics Letters B, 2013, 27, 1341017.	1.9	0

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37	PROTECTION OF OIL CASING TUBE STEEL VIA SURFACE TREATMENT IN CHINA: A LITERATURE REVIEW. Surface Review and Letters, 2013, 20, 1330002.	1.1	5
38	Assessments on friction and wear behaviors of P110 steel and chromizing coating sliding against two counterparts under dry and wet conditions. Applied Surface Science, 2012, 258, 4960-4970.	6.1	51
39	Bacteria adherence properties of nitrogen-doped TiO2 coatings by plasma surface alloying technique. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 542-546.	1.0	1
40	Microstructure and electrochemical behavior of laser cladded HA coating on pure titanium TA2. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 568-571.	1.0	2
41	RESEARCH STATUS OF SURFACE MODIFICATION OF TITANIUM-BASED ALLOYS BY PACK CEMENTATION. Surface Review and Letters, 0, , .	1.1	1
42	Application of Taguchi Method Design to Investigate Tribological Performance of Laser-Surface-Textured 316L Austenitic Stainless Steel. Journal of Materials Engineering and Performance, 0, , .	2.5	0