

Naiming Lin

List of Publications by Year in descending order

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769
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#	ARTICLE	IF	CITATIONS
1	Surface Texture-Based Surface Treatments on Ti6Al4V Titanium Alloys for Tribological and Biological Applications: A Mini Review. <i>Materials</i> , 2018, 11, 487.	2.9	80
2	Application of ultrasonic nanocrystal surface modification (UNSM) technique for surface strengthening of titanium and titanium alloys: a mini review. <i>Journal of Materials Research and Technology</i> , 2021, 11, 351-377.	5.8	60
3	Effect of laser surface texturing (LST) on tribological behavior of double glow plasma surface zirconizing coating on Ti6Al4V alloy. <i>Surface and Coatings Technology</i> , 2019, 368, 97-109.	4.8	56
4	In-situ fabrication of gradient titanium oxide ceramic coating on laser surface textured Ti6Al4V alloy with improved mechanical property and wear performance. <i>Vacuum</i> , 2020, 176, 109327.	3.5	55
5	Recent developments in research of double glow plasma surface alloying technology: a brief review. <i>Journal of Materials Research and Technology</i> , 2020, 9, 6859-6882.	5.8	53
6	Assessments on friction and wear behaviors of P110 steel and chromizing coating sliding against two counterparts under dry and wet conditions. <i>Applied Surface Science</i> , 2012, 258, 4960-4970.	6.1	51
7	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. <i>RSC Advances</i> , 2017, 7, 13517-13535.	3.6	45
8	Microstructure, antibacterial properties and wear resistance of plasma Cu-Ni surface modified titanium. <i>Surface and Coatings Technology</i> , 2013, 232, 515-520.	4.8	44
9	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. <i>Applied Surface Science</i> , 2019, 493, 747-765.	6.1	41
10	Surface damage mitigation of TC4 alloy via micro arc oxidation for oil and gas exploitation application: Characterizations of microstructure and evaluations on surface performance. <i>Applied Surface Science</i> , 2018, 436, 467-476.	6.1	39
11	Highly ordered Ni-Ti-O nanotubes for non-enzymatic glucose detection. <i>Materials Science and Engineering C</i> , 2015, 51, 37-42.	7.3	31
12	Surface Texturing-Plasma Nitriding Duplex Treatment for Improving Tribological Performance of AISI 316 Stainless Steel. <i>Materials</i> , 2016, 9, 875.	2.9	30
13	Surface damage mitigation of titanium and its alloys via thermal oxidation: A brief review. <i>Reviews on Advanced Materials Science</i> , 2019, 58, 132-146.	3.3	27
14	Structure and synthesis of MAX phase materials: a brief review. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2022, 47, 736-771.	12.3	27
15	Preparation of titanizing coating on AISI 316 stainless steel by pack cementation to mitigate surface damage: Estimations of corrosion resistance and tribological behavior. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 129, 387-400.	4.0	24
16	The role of excess Sn in Cu ₄ Sn ₇ S ₁₆ for modification of the band structure and a reduction in lattice thermal conductivity. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4206-4213.	5.5	22
17	Correlation between surface textural parameter and tribological behaviour of four metal materials with laser surface texturing (LST). <i>Applied Surface Science</i> , 2022, 583, 152410.	6.1	19
18	Manipulation tribological behavior of Ti6Al4V alloy via a duplex treatment of double glow plasma surface molybdenizing-laser surface texturing (LST). <i>Journal of Materials Research and Technology</i> , 2020, 9, 6360-6375.	5.8	17

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19	Study on Fabrication and Corrosion Resistance of Ni-Based Alloy Coating on P110 Steel by Electro Spark Deposition. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 1365-1370.	2.5	15
20	Regulation of the Crystal Structure Leading to the Bandgap Widening and Phonon Scattering Increasing in Cu ₃ SnS ₄ ∞ Cu ₃ SbSe ₃ Chalcogenides. <i>Advanced Electronic Materials</i> , 2019, 5, 1900485.	5.1	12
21	Application of artificial neural network in predicting the thickness of chromizing coatings on P110 steel. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 196-201.	1.0	10
22	Slurry erosion behaviors of P110 steel and chromizing coating in liquid-solid two-phase flow. <i>Science China Technological Sciences</i> , 2013, 56, 1415-1423.	4.0	8
23	THERMAL OXIDATION OF Ti ₆ Al ₄ V ALLOY WITH ENHANCED WEAR AND CORROSION RESISTANCE FOR OIL AND GAS APPLICATION: EFFECT OF TEMPERATURE. <i>Surface Review and Letters</i> , 2015, 22, 1550033.	1.1	8
24	Wear and corrosion resistance of electroless plating Ni-P coating on P110 steel. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015, 30, 622-625.	1.0	7
25	PROTECTION OF OIL CASING TUBE STEEL VIA SURFACE TREATMENT IN CHINA: A LITERATURE REVIEW. <i>Surface Review and Letters</i> , 2013, 20, 1330002.	1.1	5
26	Tailoring Tribological Performance of Pure Titanium by a Duplex Treatment of Laser Surface Texturing-Thermal Oxidation. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 4047-4062.	2.5	5
27	HIGH-TEMPERATURE TRIBOLOGICAL BEHAVIORS OF TiNi/Ti ₂ Ni ALLOYED LAYER ON SURFACE OF Ti6Al4V ALLOY. <i>Surface Review and Letters</i> , 2017, 24, 1750028.	1.1	4
28	AN ELECTROCHEMICAL PROCESSING STRATEGY FOR IMPROVING TRIBOLOGICAL PERFORMANCE OF AISI 316 STAINLESS STEEL UNDER GREASE LUBRICATION. <i>Surface Review and Letters</i> , 2014, 21, 1450006.	1.1	3
29	Microstructure and electrochemical behavior of laser clad HA coating on pure titanium TA2. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 568-571.	1.0	2
30	Failure Behavior Characterization of Mo-Modified Ti Surface by Impact Test and Finite Element Analysis. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 2678-2687.	2.5	2
31	Tribological Behavior of Electrochemically Etched AISI 316 Stainless Steel with a Textured Surface. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 6616-6628.	2.5	2
32	Improved oxidation resistance of CoNiCrAlTaHfY/Co coating on C/C composites by vapor phase surface alloying. <i>Journal of Materials Research</i> , 2020, 35, 500-507.	2.6	2
33	RESEARCH STATUS OF DRY FRICTION BEHAVIOR OF METALLIC MATERIALS: A BRIEF REVIEW. <i>Surface Review and Letters</i> , 2020, 27, 2030003.	1.1	2
34	A microscopic spatially confined strategy to realize completely reversible self-healing lattice restoration of MoS ₂ for ultrastable reversible sodium-ion storage. <i>New Journal of Chemistry</i> , 2021, 45, 18575-18583.	2.8	2
35	Recent advances in gum metal: Synthesis, performance and application. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2023, 48, 257-288.	12.3	2
36	Bacteria adherence properties of nitrogen-doped TiO ₂ coatings by plasma surface alloying technique. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 542-546.	1.0	1

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37	RESEARCH STATUS OF SURFACE MODIFICATION OF TITANIUM-BASED ALLOYS BY PACK CEMENTATION. Surface Review and Letters, 0, , .	1.1	1
38	THERMALLY OXIDIZED C, N CO-DOPED ANATASE-TiO ₂ COATINGS ON STAINLESS STEEL FOR TRIBOLOGICAL PROPERTIES. Modern Physics Letters B, 2013, 27, 1341016.	1.9	0
39	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
40	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
41	COMBINED PLASMA NITRIDING AND SURFACE TEXTURING FOR IMPROVING TRIBOLOGICAL PERFORMANCE OF 316 STAINLESS STEEL. Surface Review and Letters, 2020, 27, 1950226.	1.1	0
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