

Khaled Elleuch

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

1,273
citations

361296

20
h-index

414303

32
g-index

70
all docs

70
docs citations

70
times ranked

1244
citing authors

#	ARTICLE	IF	CITATIONS
1	Innovative biocomposite development based on the incorporation of <i>Salvadora persica</i> in acrylic resin for dental material. <i>Journal of Thermoplastic Composite Materials</i> , 2022, 35, 1815-1831.	2.6	4
2	Investigation on the Wear Resistance of Ni-B-TiO ₂ Composite Coatings for Dry Crushing Application. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2022, , 218-244.	0.2	1
3	On the failure of punching process. <i>Engineering Failure Analysis</i> , 2021, 120, 105035.	1.8	3
4	Tribological behavior of virgin and aged polymeric pipes under dry sliding conditions against steel. <i>Tribology International</i> , 2021, 154, 106727.	3.0	4
5	Comparative investigation of scratch resistance and tribological performance of Ni-B-TiO ₂ composite coatings prepared by conventional and novel processing methods. <i>Ceramics International</i> , 2021, 47, 14438-14454.	2.3	8
6	Tribological properties of Ni-B-TiO ₂ sol composite coating elaborated by sol-enhanced process: abrasive wear and impact wear. <i>Journal of Materials Research and Technology</i> , 2021, 13, 857-871.	2.6	9
7	AISI D2 punch head damage: Fatigue and wear mechanism. <i>Engineering Failure Analysis</i> , 2021, 129, 105676.	1.8	5
8	Magnetic Carbon Nanofiber Mats for Prospective Single Photon Avalanche Diode (SPAD) Sensing Applications. <i>Sensors</i> , 2021, 21, 7873.	2.1	5
9	The effects of TiO ₂ sol concentration on single- and multiple-scratch damage in electroplated Ni-B-TiO ₂ sol composite coating. <i>Ceramics International</i> , 2020, 46, 3767-3776.	2.3	13
10	Tribological properties of deflected NiTi superelastic archwire using a new experimental set-up: Stress-induced martensitic transformation effect. <i>Tribology International</i> , 2020, 146, 106033.	3.0	6
11	Ductile fracture of AISI 304L stainless steel sheet in stretching. <i>International Journal of Mechanical Sciences</i> , 2020, 172, 105404.	3.6	18
12	Wear behavior of new biomaterial composite for dental application. <i>Polymers and Polymer Composites</i> , 2020, 28, 654-662.	1.0	0
13	On the mechanical behaviour of industrial PVC pipes under pressure loading: experimental and numerical studies. <i>Journal of Polymer Research</i> , 2020, 27, 1.	1.2	13
14	Effects of saliva addition on the wear resistance of deflected NiTi archwire for biomedical application. <i>Materials Letters</i> , 2020, 268, 127550.	1.3	1
15	Effect of Changing Temperature and Wire Cross Section on the Tribological Behavior of the NiTi Alloy. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 221-230.	0.3	0
16	Adaptive neural control of a greenhouse. , 2019, , .		3
17	Brinell indentation behavior of the stainless steel X2CrNi18-9: Modeling and experiments. <i>International Journal of Mechanical Sciences</i> , 2019, 163, 105142.	3.6	8
18	Failure mode analysis of SMAW welded UNS N08028 (Alloy28) superaustenitic stainless steel under crack growth tests. <i>Engineering Failure Analysis</i> , 2019, 97, 804-819.	1.8	4

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19	Reverse deep drawing process: Material anisotropy and work-hardening effects. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 699-713.	0.7	2
20	Effects of 316SS addition on the properties of the coatings based on Al ₂ O ₃ applied by plasma spraying. Journal of Composite Materials, 2018, 52, 2597-2608.	1.2	0
21	Mechanical and tribological properties of tricalcium phosphate reinforced with fluorapatite as coating for orthopedic implant. Materials Letters, 2018, 215, 53-57.	1.3	10
22	On the Tribocorrosion Responses of Two Stainless Steels. Tribology Transactions, 2018, 61, 53-60.	1.1	7
23	Sheet metal forming in the case of hinge manufacturing process. Part 2: Numerical study. International Journal of Advanced Manufacturing Technology, 2018, 95, 367-374.	1.5	4
24	The effect of nanocrystallized surface on the tribocorrosion behavior of 304L stainless steel. Wear, 2018, 394-395, 71-79.	1.5	26
25	Sheet metal forming in the case of hinge manufacturing process. Part 1: Experimental study. International Journal of Advanced Manufacturing Technology, 2018, 94, 2635-2643.	1.5	5
26	On the Wind Energy Conversion Systems. , 2018, , .		3
27	Thermal Wear Sensing System: Proof of the Concept. Journal of Materials Engineering and Performance, 2018, 27, 4635-4644.	1.2	2
28	Failure analysis of a cold work tool material slides against carbon steel in sheet metal forming process "A case study of hinges production. International Journal of Advanced Manufacturing Technology, 2017, 88, 3151-3161.	1.5	13
29	Tribological response of an epoxy matrix filled with graphite and/or carbon nanotubes. Friction, 2017, 5, 171-182.	3.4	57
30	Hammer premature wear in mineral crushing process. Tribology International, 2017, 115, 493-505.	3.0	24
31	Optimization of mechanical and tribological properties of anodized 5754 aluminium alloy. Surface Engineering and Applied Electrochemistry, 2017, 53, 371-382.	0.3	9
32	Electrophoretic impregnation of porous anodizing layer by synthesized TiO ₂ nanoparticles. Surface Engineering and Applied Electrochemistry, 2017, 53, 467-474.	0.3	10
33	Tribological behavior of 304 L stainless steel used for olive oil extraction. Mechanics and Industry, 2017, 18, 207.	0.5	2
34	Effect of surface topography with different groove angles on tribological behavior of the wheel/rail contact using alternative machine. Friction, 2016, 4, 238-248.	3.4	6
35	Wear protection potential of TiN coatings for 304 stainless steels used in rotating parts during olive oil extraction. Surface and Coatings Technology, 2016, 304, 560-566.	2.2	27
36	Estimation of the elastic modulus of the alumina coated AA1050 aluminum: Modeling and experiments. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 670, 188-195.	2.6	6

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37	On the erosive wear of 304 L stainless steel caused by olive seed particles impact: Modeling and experiments. <i>Tribology International</i> , 2016, 102, 608-619.	3.0	20
38	Damage of Stainless Steel Components by Olive Paste. <i>Tribology Transactions</i> , 2016, 59, 856-864.	1.1	8
39	Low Cycle Fatigue behavior of SMAW welded Alloy28 superaustenitic stainless steel at room temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 651, 556-566.	2.6	10
40	Effect of filler addition and weathering conditions on the performance of PVC/CaCO ₃ composites. <i>Polymer Composites</i> , 2016, 37, 2171-2183.	2.3	31
41	Friction coefficient and microhardness of anodized aluminum alloys under different elaboration conditions. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 1950-1960.	1.7	30
42	On the tribocorrosion behavior of 304L stainless steel in olive pomace/tap water filtrate. <i>Wear</i> , 2015, 328-329, 509-517.	1.5	16
43	Tribological performance of TiN coatings deposited on 304L stainless steel used for olive-oil extraction. <i>Wear</i> , 2015, 342-343, 77-84.	1.5	34
44	Finite element modeling of superelastic nickel-titanium orthodontic wires. <i>Journal of Biomechanics</i> , 2014, 47, 3630-3638.	0.9	22
45	Optimization of tartaric/sulphuric acid anodizing process using Doehlert design. <i>Surface and Coatings Technology</i> , 2012, 207, 123-129.	2.2	10
46	Thermoelectric behaviour of melt processed carbon nanotube/graphite/poly(lactic acid) conductive biopolymer nanocomposites (CPC). <i>Materials Letters</i> , 2012, 67, 210-214.	1.3	88
47	Modeling and computation of the three-roller bending process of steel sheets. <i>Journal of Mechanical Science and Technology</i> , 2012, 26, 123-128.	0.7	35
48	Conductive eco-polymer composites: wear behaviour of recycled polycarbonate/crushed rubber microparticles. <i>Plastics, Rubber and Composites</i> , 2011, 40, 139-145.	0.9	0
49	On the peel behavior of polymer coating-steel system: Effect of hygrothermal aging. <i>Advances in Polymer Technology</i> , 2010, 29, 185-196.	0.8	5
50	Susceptibility to corrosion damage of pipeline steels under coating disbondments. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2010, 61, 43-50.	0.8	1
51	Study of UV-aging of thermoplastic polyurethane material. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 1649-1654.	2.6	119
52	On the behaviour of obsidian under scratch test. <i>Wear</i> , 2009, 266, 621-626.	1.5	13
53	Susceptibility to scratch damage of high density polyethylene coating. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 492, 400-406.	2.6	11
54	Aging effect on thermal, mechanical and tribological behaviour of polymeric coatings used for pipeline application. <i>Journal of Materials Processing Technology</i> , 2008, 203, 404-410.	3.1	39

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55	Optimization of mechanical and chemical properties of sulphuric anodized aluminium using statistical experimental methods. <i>Materials Chemistry and Physics</i> , 2008, 108, 296-305.	2.0	14
56	Optimization of anodic layer properties on aluminium in mixed oxalic/sulphuric acid bath using statistical experimental methods. <i>Surface and Coatings Technology</i> , 2007, 201, 7855-7864.	2.2	44
57	Surface roughness effect on friction behaviour of elastomeric material. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007, 465, 8-12.	2.6	38
58	Tribological behavior of thermoplastic polyurethane elastomers. <i>Materials & Design</i> , 2007, 28, 824-830.	5.1	55
59	Eco-plastics: Morphological and mechanical properties of recycled poly(carbonate)-rushed rubber (rPC-rCR) blends. <i>Polymer Engineering and Science</i> , 2007, 47, 1768-1776.	1.5	11
60	Comparison of elastic and tactile behavior of human skin and elastomeric materials through tribological tests. <i>Polymer Engineering and Science</i> , 2006, 46, 1715-1720.	1.5	28
61	Abrasive wear of aluminium alloys rubbed against sand. <i>Wear</i> , 2006, 261, 1316-1321.	1.5	14
62	The effect of sulphuric anodisation of aluminium alloys on contact problems. <i>Surface and Coatings Technology</i> , 2006, 200, 2852-2856.	2.2	17
63	Sliding wear transition for the CW614 brass alloy. <i>Tribology International</i> , 2006, 39, 290-296.	3.0	39
64	Development of a contact compliance method to detect the crack propagation under fretting. <i>Tribology International</i> , 2006, 39, 1262-1270.	3.0	6
65	Experimental and modelling aspects of abrasive wear of a A357 aluminium alloy under gross slip fretting conditions. <i>Wear</i> , 2005, 258, 40-49.	1.5	41
66	Fretting maps for anodised aluminium alloys. <i>Thin Solid Films</i> , 2003, 426, 271-280.	0.8	19
67	Friction damage of aluminium alloys. <i>Industrial Lubrication and Tribology</i> , 2003, 55, 279-286.	0.6	7
68	Prediction of crack nucleation under partial slip fretting conditions. <i>Journal of Strain Analysis for Engineering Design</i> , 2002, 37, 549-564.	1.0	57
69	Wear analysis of A357 aluminium alloy under fretting. <i>Wear</i> , 2002, 253, 662-672.	1.5	56
70	Thermophysical and Radiative Properties of Conductive Biopolymer Composite. <i>Materials Science Forum</i> , 0, 714, 115-122.	0.3	17