

Cm Lepienski

List of Publications by Year in descending order

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158
papers

2,850
citations

147801

31
h-index

265206

42
g-index

160
all docs

160
docs citations

160
times ranked

2974
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of accelerated aging on the surface mechanical properties of polyethylene. <i>Polymer Degradation and Stability</i> , 2003, 81, 367-373.	5.8	101
2	Electric field distribution and near-surface modifications in soda-lime glass submitted to a dc potential. <i>Journal of Non-Crystalline Solids</i> , 1993, 159, 204-212.	3.1	85
3	Improvement of tribological properties of Ti6Al4V by nitrogen plasma immersion ion implantation. <i>Surface and Coatings Technology</i> , 2003, 169-170, 408-410.	4.8	73
4	Mechanical and tribological properties of AISI 304 stainless steel nitrided by glow discharge compared to ion implantation and plasma immersion ion implantation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 257, 732-736.	1.4	64
5	Reinforcement and toughening mechanisms in polymer nanocomposites – Carbon nanotubes and aluminum oxide. <i>Composites Part B: Engineering</i> , 2015, 75, 119-126.	12.0	61
6	AC conduction of poly(o-methoxyaniline). <i>Synthetic Metals</i> , 1995, 69, 259-260.	3.9	59
7	Alternating electrical conductivity of polyaniline. <i>Journal of Chemical Physics</i> , 1999, 110, 4602-4607.	3.0	59
8	Hardness and elastic modulus of TiO ₂ anodic films measured by instrumented indentation. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2008, 84B, 524-530.	3.4	59
9	Hardness and elastic modulus of ion-nitrided titanium obtained by nanoindentation. <i>Surface and Coatings Technology</i> , 2005, 191, 76-82.	4.8	51
10	Mechanical properties of layered InSe and GaSe single crystals. <i>Journal of Applied Physics</i> , 2002, 91, 140.	2.5	48
11	Thermal and mechanical properties of a nanocomposite of a photocurable epoxy-acrylate resin and multiwalled carbon nanotubes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 4318-4324.	5.6	48
12	Hard graphitic-like amorphous carbon films with high stress and local microscopic density. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001, 19, 971-975.	2.1	47
13	Effect of temperature on hardness and indentation cracking of fused silica. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 3550-3555.	3.1	46
14	Factors limiting the measurement of residual stresses in thin films by nanoindentation. <i>Thin Solid Films</i> , 2004, 447-448, 251-257.	1.8	44
15	Plasma nitriding using high H ₂ content gas mixtures for a cavitation erosion resistant steel. <i>Applied Surface Science</i> , 2013, 277, 15-24.	6.1	44
16	Iron- and iron oxide-filled multi-walled carbon nanotubes: Electrical properties and memory devices. <i>Chemical Physics Letters</i> , 2007, 444, 304-308.	2.6	41
17	Nanosized precipitates in H13 tool steel low temperature plasma nitriding. <i>Surface and Coatings Technology</i> , 2012, 207, 72-78.	4.8	40
18	Nanostructured coating based on epoxy/metal oxides: Kinetic curing and mechanical properties. <i>Thermochimica Acta</i> , 2013, 569, 167-176.	2.7	40

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19	Surface improvements of industrial components treated by plasma immersion ion implantation (PIII): results and prospects. <i>Surface and Coatings Technology</i> , 2002, 156, 71-76.	4.8	39
20	Tribo-mechanical characterization of rough, porous and bioactive Ti anodic layers. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011, 4, 796-806.	3.1	39
21	Improvement of the cavitation erosion resistance for low-temperature plasma nitrided Ca-6NM martensitic stainless steel. <i>Wear</i> , 2014, 309, 159-165.	3.1	39
22	Fracture toughness, hardness and elastic modulus of hydrogenated amorphous carbon films deposited by chemical vapor deposition. <i>Thin Solid Films</i> , 2006, 496, 481-488.	1.8	38
23	Improvements of ultra-high molecular weight polyethylene mechanical properties by nitrogen plasma immersion ion implantation. <i>Brazilian Journal of Physics</i> , 2004, 34, 1667-1672.	1.4	37
24	Characterization of the morphology, structure and wettability of phase dependent lamellar and nanotube oxides on anodized Ti-10Nb alloy. <i>Applied Surface Science</i> , 2018, 448, 30-40.	6.1	36
25	Tribological effects of plasma immersion ion implantation heating treatments on Ti-6Al-4V alloy. <i>Wear</i> , 2009, 267, 867-873.	3.1	35
26	Microstructural and tribological characterization of DLC coatings deposited by plasma enhanced techniques on steel substrates. <i>Surface and Coatings Technology</i> , 2020, 389, 125615.	4.8	35
27	On the hardness of a-C:H films prepared by methane plasma decomposition. <i>Thin Solid Films</i> , 1998, 332, 113-117.	1.8	34
28	Niobium treated by Plasma Electrolytic Oxidation with calcium and phosphorus electrolytes. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 77, 347-352.	3.1	34
29	Nanomechanical properties of rough surfaces. <i>Materials Research</i> , 2006, 9, 159-163.	1.3	33
30	A comparative study of mechanical and tribological properties of AISI-304 and AISI-316 submitted to glow discharge nitriding. <i>Materials Research</i> , 2009, 12, 173-180.	1.3	31
31	Apatite grown in niobium by two-step plasma electrolytic oxidation. <i>Materials Science and Engineering C</i> , 2017, 77, 1235-1241.	7.3	31
32	High temperature microhardness of soda-lime glass. <i>Journal of Non-Crystalline Solids</i> , 2004, 348, 131-138.	3.1	30
33	Structural, mechanical, and tribological properties of AISI 304 and AISI 316L steels submitted to nitrogen-carbon glow discharge. <i>Journal of Materials Science</i> , 2009, 44, 1045-1053.	3.7	30
34	Residual stress determination on lithium disilicate glass-ceramic by nanoindentation. <i>Journal of Non-Crystalline Solids</i> , 2004, 348, 139-143.	3.1	29
35	Effect of the hydrogen outgassing time on the hardness of austenitic stainless steels welds. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003, 354, 251-256.	5.6	27
36	AISI 304 nitrocarburized at low temperature: Mechanical and tribological properties. <i>Surface and Coatings Technology</i> , 2010, 204, 3004-3008.	4.8	27

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37	Surface modification of pure niobium by plasma nitriding. <i>Surface and Coatings Technology</i> , 2013, 224, 114-119.	4.8	27
38	Improved tribo-mechanical behavior of CaP-containing TiO ₂ layers produced on titanium by shot blasting and micro-arc oxidation. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 2265-2275.	3.6	26
39	Preparation of Nd ₂ O ₃ -doped calcium aluminosilicate glasses and thermo-optical and mechanical characterization. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 4749-4754.	3.1	25
40	Mechanical properties of anodic titanium films containing ions of Ca and P submitted to heat and hydrothermal treatment. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 64, 18-30.	3.1	25
41	Nanoindentation study of Ti6Al4V alloy nitrided by low intensity plasma jet process. <i>Vacuum</i> , 2002, 67, 457-461.	3.5	24
42	Mechanical properties of kaolinite "macro-crystals"™. <i>Philosophical Magazine</i> , 2007, 87, 4445-4459.	1.6	24
43	Glow discharge nitriding in AISI 304 at different nitrogen-hydrogen atmospheres: Structural, mechanical and tribological properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 489, 201-206.	5.6	24
44	High temperature plasma immersion ion implantation of Ti6Al4V. <i>Surface and Coatings Technology</i> , 2007, 201, 4953-4956.	4.8	23
45	Surface modification of Ti6Al4V alloy by PIII at high temperatures: Effects of plasma potential. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 257, 722-726.	1.4	23
46	Effect of thermal aging conditions on the corrosion properties and hardness of a duplex stainless steel. <i>Materials Research</i> , 2010, 13, 431-436.	1.3	23
47	Nanomechanical and nanotribological properties of bioactive titanium surfaces prepared by alkali treatment. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011, 4, 756-765.	3.1	23
48	Mechanical properties of optical glass fibers damaged by nanoindentation and water ageing. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 3556-3560.	3.1	21
49	Effect of anodizing time on the mechanical properties of porous titania coatings formed by micro-arc oxidation. <i>Surface and Coatings Technology</i> , 2017, 309, 203-211.	4.8	21
50	Tribological properties of nanotubes grown on Ti-35Nb alloy by anodization. <i>Thin Solid Films</i> , 2018, 660, 529-537.	1.8	21
51	Effect of cathodic hydrogenation on the mechanical properties of AISI 304 stainless steel nitrided by ion implantation, glow discharge and plasma immersion ion implantation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 257, 727-731.	1.4	20
52	Fracture toughness, hardness, and elastic modulus of kyanite investigated by a depth-sensing indentation technique. <i>American Mineralogist</i> , 2008, 93, 844-852.	1.9	20
53	Crevice and pitting corrosion of low temperature plasma nitrided UNS S32750 super duplex stainless steel. <i>Surface and Coatings Technology</i> , 2021, 413, 127095.	4.8	20
54	UV and Gamma Irradiation Effects on Surface Properties of Polyurethane Derivate from Castor Oil. <i>Polimeros</i> , 2013, 23, 305-311.	0.7	20

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55	Physical and tribological properties of hard amorphous DLC films deposited on different substrates. <i>Diamond and Related Materials</i> , 2004, 13, 1511-1515.	3.9	19
56	Indentation hardness of rough surfaces produced by plasma-based ion implantation processes. <i>Surface and Coatings Technology</i> , 2010, 204, 3013-3017.	4.8	19
57	Hybrid urethanesil coatings for inorganic surfaces produced by isocyanate-free and sol-gel routes: synthesis and characterization. <i>RSC Advances</i> , 2016, 6, 19160-19172.	3.6	19
58	Influence of Ar ⁺ ion irradiation on the properties of plasma polymerized acetylene films. <i>Surface and Coatings Technology</i> , 2000, 127, 93-98.	4.8	18
59	Nanomechanical properties of lead iodide (PbI ₂) layered crystals. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2002, 335, 6-13.	5.6	18
60	Superficial and internal hydrogenation effects on the fatigue life of austenitic steels. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 381, 216-222.	5.6	18
61	Mechanical and tribological properties of carbon and nitrogen consecutive ion implantation into aluminium. <i>Surface and Coatings Technology</i> , 2006, 201, 1488-1494.	4.8	18
62	Effect of high pressure on the mechanical properties of lithium disilicate glass ceramic. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 3921-3924.	5.6	18
63	Carbon ion implantation into aluminium: Mechanical and tribological properties. <i>Surface and Coatings Technology</i> , 2006, 200, 5210-5219.	4.8	17
64	Influence of intercalation methods in properties of Clay and carbon nanotube and high density polyethylene nanocomposites. <i>Materials Research</i> , 2014, 17, 1628-1636.	1.3	17
65	Anodic bonding of titanium alloy with bioactive glass. <i>Journal of Non-Crystalline Solids</i> , 2017, 471, 19-27.	3.1	17
66	Nanohardness and contact angle of Si wafers implanted with N and C and Al alloy with N by plasma ion implantation. <i>Surface and Coatings Technology</i> , 2002, 156, 190-194.	4.8	16
67	Effects of Ag addition on some physical properties of granular YBa ₂ Cu ₃ O _{7-δ} superconductor. <i>Brazilian Journal of Physics</i> , 2009, 39, .	1.4	16
68	Tribo-mechanical properties and cellular viability of electrochemically treated Ti-10Nb and Ti-20Nb alloys. <i>Journal of Alloys and Compounds</i> , 2019, 779, 129-139.	5.5	16
69	Tribological changes on SS304 stainless steel induced by nitrogen plasma immersion ion implantation with and without auxiliary heating. <i>Applied Surface Science</i> , 2009, 256, 1461-1465.	6.1	15
70	A method to measure fracture toughness using indentation in REBa ₂ Cu ₃ O _{7-δ} superconductor single crystals. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	15
71	Performance of Cr oxide coatings on 304 steel against metal dusting. <i>Surface and Coatings Technology</i> , 2013, 237, 39-50.	4.8	15
72	Oxide coating containing apatite formed on Ti-25Nb-25Ta alloy treated by Two-Step Plasma Electrolytic Oxidation. <i>Surface and Coatings Technology</i> , 2020, 382, 125224.	4.8	15

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73	Plasma nitriding of CA-6NM steel: effect of H ₂ + N ₂ gas mixtures in nitride layer formation for low N ₂ contents at 500 Å°C. <i>Materials Research</i> , 2010, 13, 557-562.	1.3	14
74	The effect of fluence on the hardening of C60 films irradiated with He and N ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999, 148, 634-638.	1.4	13
75	Structural and tribo-mechanical characterization of nitrogen plasma treated titanium for bone implants. <i>Surface and Coatings Technology</i> , 2014, 256, 30-36.	4.8	13
76	New method of plasma immersion ion implantation and also deposition of industrial components using tubular fixture and plasma generated inside the tube by high voltage pulses. <i>Review of Scientific Instruments</i> , 2016, 87, 013902.	1.3	13
77	Deposition of hard amorphous hydrogenated carbon films by radiofrequency parallel-plate hollow-cathode plasmas. <i>Diamond and Related Materials</i> , 2007, 16, 616-622.	3.9	12
78	Improvements of the surface properties of Ti6Al4V by plasma based ion implantation at high temperatures. <i>Surface and Coatings Technology</i> , 2010, 204, 3018-3021.	4.8	12
79	Mechanical properties and corrosion resistance of Î±N-rich layers produced by PIII on a super ferritic stainless steel. <i>Surface and Coatings Technology</i> , 2020, 403, 126388.	4.8	12
80	Ionic migration effects on the mechanical properties of glass surfaces. <i>Journal of Non-Crystalline Solids</i> , 1999, 247, 232-236.	3.1	11
81	Ion irradiation effects on hardness and elastic modulus in AZ 1350Jâ„¢ photoresist film. <i>Thin Solid Films</i> , 2002, 411, 256-261.	1.8	11
82	Mechanical properties of polyhedral oligomeric silsesquioxane (POSS) thin films submitted to Si irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004, 218, 375-380.	1.4	11
83	Plasma immersion ion implantation of nitrogen into H13 steel under moderate temperatures. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 240, 204-207.	1.4	11
84	Improving light harvesting in polymer photodetector devices through nanoindented metal mask films. <i>Journal of Applied Physics</i> , 2008, 104, 033714.	2.5	11
85	Structural, chemical and tribo-mechanical surface features of Ti and nitrided Ti submitted to hydrogen low energy implantation. <i>Materials Chemistry and Physics</i> , 2010, 124, 443-452.	4.0	11
86	Mechanical and tribological properties of a sintered glass-ceramic compared to granite and porcelainized stoneware. <i>Wear</i> , 2011, 271, 875-880.	3.1	11
87	Effects of the high temperature plasma immersion ion implantation (PIII) of nitrogen in AISI H13 steel. <i>Journal of Materials Science</i> , 2008, 43, 5989-5997.	3.7	10
88	Development of Al oxide PVD coatings against metal dusting. <i>Surface Engineering</i> , 2015, 31, 114-122.	2.2	10
89	Influence of thermal treatment time on structural and physical properties of polyimide films at beginning of carbonization. <i>Polymer Degradation and Stability</i> , 2016, 129, 399-407.	5.8	10
90	Effect of microstructure on the nanotube growth by anodic oxidation on Ti-10Nb alloy. <i>Materials Research Express</i> , 2017, 4, 076408.	1.6	10

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91	Titanium-Niobium (Ti-xNb) Alloys with High Nb Amounts for Applications in Biomaterials. <i>Materials Research</i> , 2020, 23, .	1.3	10
92	Ion irradiation hardening of C60 thin films. <i>Thin Solid Films</i> , 1999, 340, 201-204.	1.8	9
93	Results from experiments on hybrid plasma immersion ion implantation/nitriding processing of materials. <i>Brazilian Journal of Physics</i> , 2004, 34, 1632-1637.	1.4	9
94	Effect of helium implantation on the properties of plasma polymer films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 191, 704-707.	1.4	8
95	Statistical analysis of threshold load for radial crack nucleation by Vickers indentation in commercial soda-lime silica glass. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 3544-3549.	3.1	8
96	Indentation fracture of a-C:H thin films from chemical vapour deposition. <i>Philosophical Magazine</i> , 2006, 86, 5397-5406.	1.6	8
97	Mechanical and Tribological Properties of LDX2101 Duplex Stainless Steel Submitted to Glow Discharge Ion Nitriding. <i>IEEE Transactions on Plasma Science</i> , 2011, 39, 3108-3114.	1.3	8
98	Gamma radiation effects on mechanical properties and morphology of a polyurethane derivate from castor oil. <i>Radiation Effects and Defects in Solids</i> , 2011, 166, 208-214.	1.2	8
99	Influence of mixing methods on the properties of high density polyethylene nanocomposites with different carbon nanoparticles. <i>Revista Materia</i> , 2017, 22, .	0.2	8
100	Improved saline corrosion and hydrogen embrittlement resistances of superaustenitic stainless steel by PIII nitriding. <i>Journal of Materials Research and Technology</i> , 2022, 18, 1717-1731.	5.8	8
101	Characterization by Rutherford backscattering, elastic recoil and nuclear reaction analysis of near-surface modifications of glasses submitted to a DC potential. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1992, 68, 227-230.	1.4	7
102	Alternating current conductivity in doped and undoped poly(o-methoxyaniline). <i>Applied Physics Letters</i> , 1997, 70, 1906-1908.	3.3	7
103	Nanoscratching characterization of austenitic stainless steel modified by cathodic hydrogenation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1999, 269, 83-89.	5.6	7
104	Mechanical properties of niobium disulfide and its hydrated sodium cation intercalation compound. <i>Journal of Materials Research</i> , 2000, 15, 2061-2064.	2.6	7
105	Comparison of nitrogen ion beam and plasma immersion implantation in Al5052 alloy. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005, 240, 199-203.	1.4	7
106	Hybrid processing of Ti-6Al-4V using plasma immersion ion implantation combined with plasma nitriding. <i>Materials Research</i> , 2006, 9, 97-100.	1.3	7
107	Effect of hydrogen on mechanical properties of nitrided austenitic steels. <i>Philosophical Magazine</i> , 2006, 86, 5407-5418.	1.6	7
108	Characteristics of austenitic stainless steel nitrided in a hybrid glow discharge plasma. <i>Brazilian Journal of Physics</i> , 2009, 39, 554-558.	1.4	7

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109	Nanomechanical properties of bioactive films grown on low energy ion implanted Ti. Surface and Coatings Technology, 2010, 204, 2944-2949.	4.8	7
110	Magnetic and mechanical properties of rolled-up Au/Co/Au nanomembranes with multiple windings. Journal of Applied Physics, 2011, 110, 044326.	2.5	7
111	Elastic modulus evaluation of Titania nanotubes obtained by anodic oxidation. Revista Materia, 2014, 19, 33-39.	0.2	7
112	Enhancement of Mechanical Properties and Wettability of TiO ₂ NT Arrays Formed in Simulated Body Fluid-Based Electrolyte. Advanced Engineering Materials, 2019, 21, 1900813.	3.5	7
113	Effect of the regional variability of dentinal substrate and modes of application of adhesive systems on the mechanical properties of the adhesive layer. Journal of Conservative Dentistry, 2012, 15, 132.	0.9	7
114	Lipp study of a glass sample previously submitted to a DC potential. Solid State Communications, 1991, 79, 825-828.	1.9	6
115	Nanomechanical properties of poly(methyl methacrylate-co-9-anthryl methyl methacrylate). Surface and Coatings Technology, 2006, 201, 3615-3620.	4.8	6
116	Nanomechanical properties of glass-ceramic films obtained by pressure impregnation of oxide powders on commercial float glass surfaces. Journal of Non-Crystalline Solids, 2010, 356, 215-219.	3.1	6
117	Structural and mechanical analysis for the optimization of PVD oxide coatings for protection against metal dusting. Applied Surface Science, 2012, 258, 7306-7313.	6.1	6
118	Study of the effects of plasma immersion ion implantation on austenitic stainless steel using E ⁺ -B fields. Surface and Coatings Technology, 2014, 246, 1-5.	4.8	6
119	Plasma electrolytic oxidation up to four-steps performed on niobium and Nb-Ti alloys. Surface and Coatings Technology, 2022, 438, 128369.	4.8	6
120	Random Free Energy Barrier Model applied to ac conductivity in polyaniline films. Synthetic Metals, 1999, 101, 780-781.	3.9	5
121	Structural and morphological investigation of amorphous hydrogenated silicon carbide. Journal of Applied Crystallography, 2001, 34, 465-472.	4.5	5
122	Aplicação de indentação instrumentada na caracterização mecânica de poliuretana derivada de óleo de mamona. Polimeros, 2009, 19, 336-343.	0.7	5
123	Surface modification of SAE 1070 by chromium using plasma immersion ion implantation and deposition. Surface and Coatings Technology, 2010, 204, 2971-2975.	4.8	5
124	Role of Cured Epoxy and Block Copolymer Addition in Mechanical and Thermal Properties of Polyethylene. Materials Research, 2017, 20, 1221-1229.	1.3	5
125	Nanoscratch testing of C60 thin films irradiated with N ions. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 673-677.	1.4	4
126	Mechanical properties of He irradiated and annealed AZ-1350 JTM films. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 668-672.	1.4	4

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127	Organic electronic pulse generator. Electronics Letters, 2004, 40, 566.	1.0	4
128	Hard three-dimensional sp ² carbon-bonded phase formed by ion beam irradiation of fullerene, a-C and polymeric a-C:H films. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 61-67.	1.4	4
129	Ion irradiation effects on a-C:H, a-C:N:H and a-C:F:H films. Nuclear Instruments & Methods in Physics Research B, 2006, 249, 409-413.	1.4	4
130	Influence of the Processing Route in the Microstructure and Mechanical Properties of NiAl/TiB ₂ Composites Produced by Combustion Synthesis. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2009, 40, 187-195.	2.1	4
131	Influence of mixing in mechanical properties of clay and carbon nanotube and high density polyethylene. , 2014, , .		4
132	Experiments on plasma immersion ion implantation inside conducting tubes embedded in an external magnetic field. Applied Surface Science, 2015, 357, 1438-1443.	6.1	4
133	Scratch-resistant and well-adhered nanotube arrays produced via anodizing process on $\hat{1}^2$ -titanium alloy. Materials Today Communications, 2021, 26, 101947.	1.9	4
134	Ti-25Nb-25Ta alloy treated by plasma electrolytic oxidation in phosphoric acid for implant applications. Revista Materia, 2021, 26, .	0.2	4
135	The effect of N ⁺ ion energy on the properties of ion bombarded plasma polymer films. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 594-598.	1.4	3
136	Plasma immersion ion implantation with auxiliary heating: application to SS304 stainless steel. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 977-980.	0.8	3
137	Vortex matter in the presence of an array of pinning centers of variable strength. Physica C: Superconductivity and Its Applications, 2008, 468, 820-823.	1.2	3
138	Tailoring surface properties from nanotubes and anodic layers of titanium for biomedical applications. , 2019, , 179-199.		3
139	Nanomechanic properties of epitaxial $\hat{1}^{\pm}$ -Fe films grown on CaF ₂ (111)/Si(111). Thin Solid Films, 1998, 323, 178-182.	1.8	2
140	Improvements of tribological properties of CrNiMo and CrCoMo alloys by nitrogen plasma immersion ion implantation. Surface and Coatings Technology, 2005, 200, 594-597.	4.8	2
141	Vortex matter in a thin film of YBCO with columnar indentationsâ€™very small and moderate field regimes. Physica C: Superconductivity and Its Applications, 2006, 437-438, 254-257.	1.2	2
142	Flat end and Berkovich instrumented indentation of N and Si irradiated polyethylene â€™ viscoelastic behavior, hardness and elastic modulus. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 510-514.	1.4	2
143	Vortex Matter dynamics in a thin film of Nb with columnar indentations. Journal of Magnetism and Magnetic Materials, 2008, 320, e516-e518.	2.3	2
144	TiO ₂ NTs bio-inspired coatings: Revisiting electrochemical, morphological, structural, and mechanical properties. Nanotechnology, 2021, 33, .	2.6	2

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145	Propriedades mec�nicas, tribol�gicas e t�rmicas de nanocomp�sitos de PLLA com nanotubos de carbono de paredes m�ltiplas. Polimeros, 2014, 24, 514-520.	0.7	2
146	Modifica�es estruturais induzidas por hidrogena�o cat�dica em a�o austen�tico soldado e nitretado a plasma. Revista Escola De Minas, 2010, 63, 129-135.	0.1	2
147	The effects of Ar post-bombardment and heat treatment on hardness of N implanted iron. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 511-515.	1.4	1
148	Mechanical behavior of microfabricated Si/SiO2 mushroom structures. Sensors and Actuators A: Physical, 2003, 107, 80-84.	4.1	1
149	Frustrated magnetic response of a superconducting Nb film with a square lattice of columnar defects. Journal of Physics: Conference Series, 2008, 97, 012301.	0.4	1
150	Determina�o das propriedades mec�nicas da martensita-� por indenta�o instrumentada em ligas inoxid�veis com mem�ria de forma. Revista Escola De Minas, 2010, 63, 39-44.	0.1	1
151	Depth-Sensing Indentation on REBa2Cu3O7 Single Crystals Obtained from Xenotime Mineral. Brazilian Journal of Physics, 2012, 42, 330-339.	1.4	1
152	Effect of a Self-Etching Adhesive System Containing a Novel Antimicrobial Polymer (QAMP) on Inhibiting Carious Lesions by Evaluating the Mechanical Properties of the Resin�Dentin Interface. Journal of Adhesion, 2015, 91, 356-368.	3.0	1
153	Mechanical Characterization and Micro-Wear of FeB-Fe<sub>2</sub>B Layers on Boriding AISI D2 and AISI 4340 Steels. Materials Sciences and Applications, 2021, 12, 330-344.	0.4	1
154	Effect of Humidity on AC Conductivity of Polyaniline and Poly(O-Methoxyaniline). Journal of the Brazilian Chemical Society, 1994, 5, 209-212.	0.6	1
155	Improvement of CBERS-3 satellite imaging camera components by plasma immersion ion implantation on SS304. Revista Brasileira De Aplica�es De V�cuo, 2017, 36, 83.	0.1	1
156	Some comments about �Comment on hardness definitions�, by J. Malzbender [J. Eur. Ceram. Soc. 23 (2003) 1355�1359]. Journal of the European Ceramic Society, 2010, 30, 1967-1969.	5.7	0
157	The Influence of Hydrogen Loading Temperature on the Mechanical Strength of Optical Fibers. Brazilian Journal of Physics, 2011, 41, 223-228.	1.4	0
158	PIII Treatment of SS Samples Using a Current-Controlled High-Voltage Pulser. IEEE Transactions on Plasma Science, 2020, 48, 3800-3806.	1.3	0