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List of Publications by Year
in descending order

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158	2,850	147801	265206
papers	citations	31 h-index	42 g-index

160	160	160	2974
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improved saline corrosion and hydrogen embrittlement resistances of superaustenitic stainless steel by PIII nitriding. Journal of Materials Research and Technology, 2022, 18, 1717-1731.	5.8	8
2	Plasma electrolytic oxidation up to four-steps performed on niobium and Nb-Ti alloys. Surface and Coatings Technology, 2022, 438, 128369.	4.8	6
3	Scratch-resistant and well-adhered nanotube arrays produced via anodizing process on Î²-titanium alloy. Materials Today Communications, 2021, 26, 101947.	1.9	4
4	Ti-25Nb-25Ta alloy treated by plasma electrolytic oxidation in phosphoric acid for implant applications. Revista Materia, 2021, 26, .	0.2	4
5	Mechanical Characterization and Micro-Wear of FeB-Fe₂B Layers on Boriding AISI D2 and AISI 4340 Steels. Materials Sciences and Applications, 2021, 12, 330-344.	0.4	1
6	Crevice and pitting corrosion of low temperature plasma nitrided UNS S32750 super duplex stainless steel. Surface and Coatings Technology, 2021, 413, 127095.	4.8	20
7	TiO2NTs bio-inspired coatings: Revisiting electrochemical, morphological, structural, and mechanical properties. Nanotechnology, 2021, 33, .	2.6	2
8	Oxide coating containing apatite formed on Ti-25Nb-25Ta alloy treated by Two-Step Plasma Electrolytic Oxidation. Surface and Coatings Technology, 2020, 382, 125224.	4.8	15
9	Mechanical properties and corrosion resistance of Î±N-rich layers produced by PIII on a super ferritic stainless steel. Surface and Coatings Technology, 2020, 403, 126388.	4.8	12
10	Microstructural and tribological characterization of DLC coatings deposited by plasma enhanced techniques on steel substrates. Surface and Coatings Technology, 2020, 389, 125615.	4.8	35
11	Titanium-Niobium (Ti-xNb) Alloys with High Nb Amounts for Applications in Biomaterials. Materials Research, 2020, 23, .	1.3	10
12	PIII Treatment of SS Samples Using a Current-Controlled High-Voltage Pulser. IEEE Transactions on Plasma Science, 2020, 48, 3800-3806.	1.3	0
13	Enhancement of Mechanical Properties and Wettability of TiO₂NT Arrays Formed in Simulated Body Fluidâ€Based Electrolyte. Advanced Engineering Materials, 2019, 21, 1900813.	3.5	7
14	Tribo-mechanical properties and cellular viability of electrochemically treated Ti-10Nb and Ti-20Nb alloys. Journal of Alloys and Compounds, 2019, 779, 129-139.	5.5	16
15	Tailoring surface properties from nanotubes and anodic layers of titanium for biomedical applications. , 2019, , 179-199.		3
16	Characterization of the morphology, structure and wettability of phase dependent lamellar and nanotube oxides on anodized Ti-10Nb alloy. Applied Surface Science, 2018, 448, 30-40.	6.1	36
17	Niobium treated by Plasma Electrolytic Oxidation with calcium and phosphorus electrolytes. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 77, 347-352.	3.1	34
18	Tribological properties of nanotubes grown on Ti-35Nb alloy by anodization. Thin Solid Films, 2018, 660, 529-537.	1.8	21

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19	Anodic bonding of titanium alloy with bioactive glass. Journal of Non-Crystalline Solids, 2017, 471, 19-27.	3.1	17
20	Effect of microstructure on the nanotube growth by anodic oxidation on Ti-10Nb alloy. Materials Research Express, 2017, 4, 076408.	1.6	10
21	Effect of anodizing time on the mechanical properties of porous titania coatings formed by micro-arc oxidation. Surface and Coatings Technology, 2017, 309, 203-211.	4.8	21
22	Apatite grown in niobium by two-step plasma electrolytic oxidation. Materials Science and Engineering C, 2017, 77, 1235-1241.	7.3	31
23	Role of Cured Epoxy and Block Copolymer Addition in Mechanical and Thermal Properties of Polyethylene. Materials Research, 2017, 20, 1221-1229.	1.3	5
24	Influence of mixing methods on the properties of high density polyethylene nanocomposites with different carbon nanoparticles. Revista Materia, 2017, 22, .	0.2	8
25	Improvement of CBERS-3 satellite imaging camera components by plasma immersion ion implantation on SS304. Revista Brasileira De AplicaÃ§Ãµes De VÃ¡cuo, 2017, 36, 83.	0.1	1
26	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. Review of Scientific Instruments, 2016, 87, 013902.	1.3	13
27	Influence of thermal treatment time on structural and physical properties of polyimide films at beginning of carbonization. Polymer Degradation and Stability, 2016, 129, 399-407.	5.8	10
28	Mechanical properties of anodic titanium films containing ions of Ca and P submitted to heat and hydrothermal treatment. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 64, 18-30.	3.1	25
29	Hybrid urethanesil coatings for inorganic surfaces produced by isocyanate-free and solâ€“gel routes: synthesis and characterization. RSC Advances, 2016, 6, 19160-19172.	3.6	19
30	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
31	Reinforcement and toughening mechanisms in polymer nanocomposites â€“ Carbon nanotubes and aluminum oxide. Composites Part B: Engineering, 2015, 75, 119-126.	12.0	61
32	Effect of a Self-Etching Adhesive System Containing a Novel Antimicrobial Polymer (QAMP) on Inhibiting Carious Lesions by Evaluating the Mechanical Properties of the Resinâ€“Dentin Interface. Journal of Adhesion, 2015, 91, 356-368.	3.0	1
33	Development of Al oxide PVD coatings against metal dusting. Surface Engineering, 2015, 31, 114-122.	2.2	10
34	Influence of intercalation methods in properties of Clay and carbon nanotube and high density polyethylene nanocomposites. Materials Research, 2014, 17, 1628-1636.	1.3	17
35	Elastic modulus evaluation of Titania nanotubes obtained by anodic oxidation. Revista Materia, 2014, 19, 33-39.	0.2	7
36	Improvement of the cavitation erosion resistance for low-temperature plasma nitrided Ca-6NM martensitic stainless steel. Wear, 2014, 309, 159-165.	3.1	39

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37	Improved tribo-mechanical behavior of CaP-containing TiO2 layers produced on titanium by shot blasting and micro-arc oxidation. Journal of Materials Science: Materials in Medicine, 2014, 25, 2265-2275.	3.6	26
38	Study of the effects of plasma immersion ion implantation on austenitic stainless steel using EÃ—B fields. Surface and Coatings Technology, 2014, 246, 1-5.	4.8	6
39	Structural and tribo-mechanical characterization of nitrogen plasma treated titanium for bone implants. Surface and Coatings Technology, 2014, 256, 30-36.	4.8	13
40	Influence of mixing in mechanical properties of clay and carbon nanotube and high density polyethylene. , 2014, , .		4
41	Propriedades mecÃ¢nicas, tribolÃ³gicas e tÃ©rmicas de nanocompÃ³sitos de PLLA com nanotubos de carbono de paredes mÃºltiplas. Polimeros, 2014, 24, 514-520.	0.7	2
42	Nanostructured coating based on epoxy/metal oxides: Kinetic curing and mechanical properties. Thermochimica Acta, 2013, 569, 167-176.	2.7	40
43	Surface modification of pure niobium by plasma nitriding. Surface and Coatings Technology, 2013, 224, 114-119.	4.8	27
44	Performance of Cr oxide coatings on 304 steel against metal dusting. Surface and Coatings Technology, 2013, 237, 39-50.	4.8	15
45	Plasma nitriding using high H2 content gas mixtures for a cavitation erosion resistant steel. Applied Surface Science, 2013, 277, 15-24.	6.1	44
46	UV and Gamma Irradiation Effects on Surface Properties of Polyurethane Derivate from Castor Oil. Polimeros, 2013, 23, 305-311.	0.7	20
47	Depth-Sensing Indentation on REBa2Cu3O7âˆ'Î´ Single Crystals Obtained from Xenotime Mineral. Brazilian Journal of Physics, 2012, 42, 330-339.	1.4	1
48	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
49	Nanosized precipitates in H13 tool steel low temperature plasma nitriding. Surface and Coatings Technology, 2012, 207, 72-78.	4.8	40
50	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
51	Magnetic and mechanical properties of rolled-up Au/Co/Au nanomembranes with multiple windings. Journal of Applied Physics, 2011, 110, 044326.	2.5	7
52	Mechanical and Tribological Properties of LDX2101 Duplex Stainless Steel Submitted to Glow Discharge Ion Nitriding. IEEE Transactions on Plasma Science, 2011, 39, 3108-3114.	1.3	8
53	The Influence of Hydrogen Loading Temperature on the Mechanical Strength of Optical Fibers. Brazilian Journal of Physics, 2011, 41, 223-228.	1.4	0
54	Effect of high pressure on the mechanical properties of lithium disilicate glass ceramic. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 3921-3924.	5.6	18

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55	Thermal and mechanical properties of a nanocomposite of a photocurable epoxy-acrylate resin and multiwalled carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 4318-4324.	5.6	48
56	Nanomechanical and nanotribological properties of bioactive titanium surfaces prepared by alkali treatment. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 756-765.	3.1	23
57	Tribo-mechanical characterization of rough, porous and bioactive Ti anodic layers. Journal of the Mechanical Behavior of Biomedical Materials, 2011, 4, 796-806.	3.1	39
58	Mechanical and tribological properties of a sintered glass-ceramic compared to granite and porcelainized stoneware. Wear, 2011, 271, 875-880.	3.1	11
59	Gamma radiation effects on mechanical properties and morphology of a polyurethane derivate from castor oil. Radiation Effects and Defects in Solids, 2011, 166, 208-214.	1.2	8
60	A method to measure fracture toughness using indentation in REBa2Cu3O7-Î´ superconductor single crystals. Journal of Applied Physics, 2011, 110, .	2.5	15
61	AISI 304 nitrocarburized at low temperature: Mechanical and tribological properties. Surface and Coatings Technology, 2010, 204, 3004-3008.	4.8	27
62	Improvements of the surface properties of Ti6Al4V by plasma based ion implantation at high temperatures. Surface and Coatings Technology, 2010, 204, 3018-3021.	4.8	12
63	Structural, chemical and tribo-mechanical surface features of Ti and nitrided Ti submitted to hydrogen low energy implantation. Materials Chemistry and Physics, 2010, 124, 443-452.	4.0	11
64	Some comments about â€œComment on hardness definitionsâ€ by J. Malzbender [J. Eur. Ceram. Soc. 23 (2003) 1355â€“1359]. Journal of the European Ceramic Society, 2010, 30, 1967-1969.	5.7	0
65	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
66	Nanomechanical properties of bioactive films grown on low energy ion implanted Ti. Surface and Coatings Technology, 2010, 204, 2944-2949.	4.8	7
67	Indentation hardness of rough surfaces produced by plasma-based ion implantation processes. Surface and Coatings Technology, 2010, 204, 3013-3017.	4.8	19
68	Plasma nitriding of CA-6NM steel: effect of H2 + N2 gas mixtures in nitride layer formation for low N2 contents at 500 ÂºC. Materials Research, 2010, 13, 557-562.	1.3	14
69	Effect of thermal aging conditions on the corrosion properties and hardness of a duplex stainless steel. Materials Research, 2010, 13, 431-436.	1.3	23
70	DeterminaÃ§Ã£o das propriedades mecÃ¢nicas da martensita-Îµ por indentaÃ§Ã£o instrumentada em ligas inoxidÃ¡veis com memÃ³ria de forma. Revista Escola De Minas, 2010, 63, 39-44.	0.1	1
71	Nanomechanical properties of glassâ€“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
72	ModificaÃ§Ãµes estruturais induzidas por hidrogenaÃ§Ã£o catÃ³dica em aÃ§o austenÃ‡tico soldado e nitretado a plasma. Revista Escola De Minas, 2010, 63, 129-135.	0.1	2

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73	Effects of Ag addition on some physical properties of granular YBa2Cu3O7-Î´ superconductor. Brazilian Journal of Physics, 2009, 39, .	1.4	16
74	A comparative study of mechanical and tribological properties of AISI-304 and AISI-316 submitted to glow discharge nitriding. Materials Research, 2009, 12, 173-180.	1.3	31
75	AplicaÃ§Ã£o de indentaÃ§Ã£o instrumentada na caracterizaÃ§Ã£o mecÃ¢nica de poliuretana derivada de Ã³leo de mamona. Polimeros, 2009, 19, 336-343.	0.7	5
76	Characteristics of austenitic stainless steel nitrided in a hybrid glow discharge plasma. Brazilian Journal of Physics, 2009, 39, 554-558.	1.4	7
77	Structural, mechanical, and tribological properties of AISI 304 and AISI 316L steels submitted to nitrogenâ€“carbon glow discharge. Journal of Materials Science, 2009, 44, 1045-1053.	3.7	30
78	Influence of the Processing Route in the Microstructure and Mechanical Properties of NiAl/TiB2 Composites Produced by Combustion Synthesis. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2009, 40, 187-195.	2.1	4
79	Tribological effects of plasma immersion ion implantation heating treatments on Tiâ€“6Alâ€“4V alloy. Wear, 2009, 267, 867-873.	3.1	35
80	Tribological changes on SS304 stainless steel induced by nitrogen plasma immersion ion implantation with and without auxiliary heating. Applied Surface Science, 2009, 256, 1461-1465.	6.1	15
81	Glow discharge nitriding in AISI 304 at different nitrogenâ€“hydrogen atmospheres: Structural, mechanical and tribological properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 489, 201-206.	5.6	24
82	Effects of the high temperature plasma immersion ion implantation (PIII) of nitrogen in AISI H13 steel. Journal of Materials Science, 2008, 43, 5989-5997.	3.7	10
83	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
84	Hardness and elastic modulus of TiO₂ anodic films measured by instrumented indentation. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2008, 84B, 524-530.	3.4	59
85	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
86	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
87	Fracture toughness, hardness, and elastic modulus of kyanite investigated by a depth-sensing indentation technique. American Mineralogist, 2008, 93, 844-852.	1.9	20
88	Preparation of Nd2O3-doped calcium aluminosilicate glasses and thermo-optical and mechanical characterization. Journal of Non-Crystalline Solids, 2008, 354, 4749-4754.	3.1	25
89	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
90	Improving light harvesting in polymer photodetector devices through nanoindented metal mask films. Journal of Applied Physics, 2008, 104, 033714.	2.5	11

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91	Mechanical properties of kaolinite â€˜macro-crystalsâ€™. Philosophical Magazine, 2007, 87, 4445-4459.	1.6	24
92	Deposition of hard amorphous hydrogenated carbon films by radiofrequency parallel-plate hollow-cathode plasmas. Diamond and Related Materials, 2007, 16, 616-622.	3.9	12
93	High temperature plasma immersion ion implantation of Ti6Al4V. Surface and Coatings Technology, 2007, 201, 4953-4956.	4.8	23
94	Iron- and iron oxide-filled multi-walled carbon nanotubes: Electrical properties and memory devices. Chemical Physics Letters, 2007, 444, 304-308.	2.6	41
95	Surface modification of Ti6Al4V alloy by PIII at high temperatures: Effects of plasma potential. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 722-726.	1.4	23
96	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
97	Mechanical and tribological properties of AISI 304 stainless steel nitrided by glow discharge compared to ion implantation and plasma immersion ion implantation. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 732-736.	1.4	64
98	Effect of cathodic hydrogenation on the mechanical properties of AISI 304 stainless steel nitrided by ion implantation, glow discharge and plasma immersion ion implantation. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 727-731.	1.4	20
99	Statistical analysis of threshold load for radial crack nucleation by Vickers indentation in commercial soda-lime silica glass. Journal of Non-Crystalline Solids, 2006, 352, 3544-3549.	3.1	8
100	Effect of temperature on hardness and indentation cracking of fused silica. Journal of Non-Crystalline Solids, 2006, 352, 3550-3555.	3.1	46
101	Mechanical properties of optical glass fibers damaged by nanoindentation and water ageing. Journal of Non-Crystalline Solids, 2006, 352, 3556-3560.	3.1	21
102	Nanomechanical properties of rough surfaces. Materials Research, 2006, 9, 159-163.	1.3	33
103	Hybrid processing of Ti-6Al-4V using plasma immersion ion implantation combined with plasma nitriding. Materials Research, 2006, 9, 97-100.	1.3	7
104	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
105	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
106	Carbon ion implantation into aluminium: Mechanical and tribological properties. Surface and Coatings Technology, 2006, 200, 5210-5219.	4.8	17
107	Mechanical and tribological properties of carbon and nitrogen consecutive ion implantation into aluminium. Surface and Coatings Technology, 2006, 201, 1488-1494.	4.8	18
108	Nanomechanical properties of poly(methyl methacrylate-co-9-anthryl methyl methacrylate). Surface and Coatings Technology, 2006, 201, 3615-3620.	4.8	6

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109	Fracture toughness, hardness and elastic modulus of hydrogenated amorphous carbon films deposited by chemical vapor deposition. Thin Solid Films, 2006, 496, 481-488.	1.8	38
110	Indentation fracture of a-C:H thin films from chemical vapour deposition. Philosophical Magazine, 2006, 86, 5397-5406.	1.6	8
111	Effect of hydrogen on mechanical properties of nitrided austenitic steels. Philosophical Magazine, 2006, 86, 5407-5418.	1.6	7
112	Comparison of nitrogen ion beam and plasma immersion implantation in Al5052 alloy. Nuclear Instruments & Methods in Physics Research B, 2005, 240, 199-203.	1.4	7
113	Plasma immersion ion implantation of nitrogen into H13 steel under moderate temperatures. Nuclear Instruments & Methods in Physics Research B, 2005, 240, 204-207.	1.4	11
114	Hardness and elastic modulus of ion-nitrided titanium obtained by nanoindentation. Surface and Coatings Technology, 2005, 191, 76-82.	4.8	51
115	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
116	Improvements of ultra-high molecular weight polyethylene mechanical properties by nitrogen plasma immersion ion implantation. Brazilian Journal of Physics, 2004, 34, 1667-1672.	1.4	37
117	Organic electronic pulse generator. Electronics Letters, 2004, 40, 566.	1.0	4
118	Hard three-dimensional sp2 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
119	Mechanical properties of polyhedral oligomeric silsesquioxane (POSS) thin films submitted to Si irradiation. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 375-380.	1.4	11
120	Factors limiting the measurement of residual stresses in thin films by nanoindentation. Thin Solid Films, 2004, 447-448, 251-257.	1.8	44
121	Superficial and internal hydrogenation effects on the fatigue life of austenitic steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 381, 216-222.	5.6	18
122	Physical and tribological properties of hard amorphous DLC films deposited on different substrates. Diamond and Related Materials, 2004, 13, 1511-1515.	3.9	19
123	High temperature microhardness of soda-lime glass. Journal of Non-Crystalline Solids, 2004, 348, 131-138.	3.1	30
124	Residual stress determination on lithium disilicate glass-ceramic by nanoindentation. Journal of Non-Crystalline Solids, 2004, 348, 139-143.	3.1	29
125	Results from experiments on hybrid plasma immersion ion implantation/nitriding processing of materials. Brazilian Journal of Physics, 2004, 34, 1632-1637.	1.4	9
126	The effect of accelerated aging on the surface mechanical properties of polyethylene. Polymer Degradation and Stability, 2003, 81, 367-373.	5.8	101

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127	Improvement of tribological properties of Ti6Al4V by nitrogen plasma immersion ion implantation. Surface and Coatings Technology, 2003, 169-170, 408-410.	4.8	73
128	Effect of the hydrogen outgassing time on the hardness of austenitic stainless steels welds. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2003, 354, 251-256.	5.6	27
129	Mechanical behavior of microfabricated Si/SiO2 mushroom structures. Sensors and Actuators A: Physical, 2003, 107, 80-84.	4.1	1
130	Effect of helium implantation on the properties of plasma polymer films. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 704-707.	1.4	8
131	Nanomechanical properties of lead iodide (PbI2) layered crystals. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2002, 335, 6-13.	5.6	18
132	Nanohardness and contact angle of Si wafers implanted with N and C and Al alloy with N by plasma ion implantation. Surface and Coatings Technology, 2002, 156, 190-194.	4.8	16
133	Surface improvements of industrial components treated by plasma immersion ion implantation (PIII): results and prospects. Surface and Coatings Technology, 2002, 156, 71-76.	4.8	39
134	Ion irradiation effects on hardness and elastic modulus in AZ 1350Jâ„¢ photoresist film. Thin Solid Films, 2002, 411, 256-261.	1.8	11
135	Nanoindentation study of Ti6Al4V alloy nitrided by low intensity plasma jet process. Vacuum, 2002, 67, 457-461.	3.5	24
136	Mechanical properties of layered InSe and GaSe single crystals. Journal of Applied Physics, 2002, 91, 140.	2.5	48
137	Structural and morphological investigation of amorphous hydrogenated silicon carbide. Journal of Applied Crystallography, 2001, 34, 465-472.	4.5	5
138	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
139	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
140	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
141	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
142	Hard graphitic-like amorphous carbon films with high stress and local microscopic density. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2001, 19, 971-975.	2.1	47
143	Influence of Ar+ ion irradiation on the properties of plasma polymerized acetylene films. Surface and Coatings Technology, 2000, 127, 93-98.	4.8	18
144	Mechanical properties of niobium disulfide and its hydrated sodium cation intercalation compound. Journal of Materials Research, 2000, 15, 2061-2064.	2.6	7

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145	Ion irradiation hardening of C60 thin films. Thin Solid Films, 1999, 340, 201-204.	1.8	9
146	Nanoscratching characterization of austenitic stainless steel modified by cathodic hydrogenation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 1999, 269, 83-89.	5.6	7
147	The effect of fluence on the hardening of C60 films irradiated with He and N ions. Nuclear Instruments & Methods in Physics Research B, 1999, 148, 634-638.	1.4	13
148	Alternating electrical conductivity of polyaniline. Journal of Chemical Physics, 1999, 110, 4602-4607.	3.0	59
149	Random Free Energy Barrier Model applied to ac conductivity in polyaniline films. Synthetic Metals, 1999, 101, 780-781.	3.9	5
150	Ionic migration effects on the mechanical properties of glass surfaces. Journal of Non-Crystalline Solids, 1999, 247, 232-236.	3.1	11
151	Nanomechanic properties of epitaxial Î±-Fe films grown on CaF2(111)/Si(111). Thin Solid Films, 1998, 323, 178-182.	1.8	2
152	On the hardness of a-C:H films prepared by methane plasma decomposition. Thin Solid Films, 1998, 332, 113-117.	1.8	34
153	Alternating current conductivity in doped and undoped poly(o-methoxyaniline). Applied Physics Letters, 1997, 70, 1906-1908.	3.3	7
154	AC conduction of poly(o-methoxyaniline). Synthetic Metals, 1995, 69, 259-260.	3.9	59
155	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
156	Electric field distribution and near-surface modifications in soda-lime glass submitted to a dc potential. Journal of Non-Crystalline Solids, 1993, 159, 204-212.	3.1	85
157	Characterization by Rutherford backscattering, elastic recoil and nuclear reaction analysis of near-surface modifications of glasses submitted to a DC potential. Nuclear Instruments & Methods in Physics Research B, 1992, 68, 227-230.	1.4	7
158	Lipp study of a glass sample previously submitted to a DC potential. Solid State Communications, 1991, 79, 825-828.	1.9	6