Roosevelt Droppa Jr

List of Publications by Year
in descending order

28	614	840776 11	580821 25
papers	citations	h-index	g-index

28	28	28	922
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of ion peening and pulsed plasma nitriding on the structural properties of TiN coatings sputtered onto 100Cr6 steel. Materials Chemistry and Physics, 2019, 235, 121723.	4.0	3
2	Water vapor diffusive transport in a smectite clay: Cationic control of normal versus anomalous diffusion. Physical Review E, 2019, 99, 013102.	2.1	10
3	Self-organized nickel nanoparticles on nanostructured silicon substrate intermediated by a titanium oxynitride (TiNxOy) interface. AIP Advances, 2018, 8, 015025.	1.3	8
4	Residual stress in nano-structured stainless steel (AISI 316L) prompted by Xe+ ion bombardment at different impinging angles. Journal of Applied Physics, 2016, 120, 145306.	2.5	3
5	Influence of substrate pre-treatments by Xe + ion bombardment and plasma nitriding on the behavior of TiN coatings deposited by plasma reactive sputtering on 100Cr6 steel. Materials Chemistry and Physics, 2016, 177, 156-163.	4.0	8
6	Continuous water adsorption states promoted by Ni 2+ confined in a synthetic smectite. Applied Clay Science, 2016, 123, 83-91.	5.2	19
7	Effect of Low Temperature Nitriding of 100Cr6 Substrates on TiN Coatings Deposited by IBAD. Materials Research, 2015, 18, 54-58.	1.3	4
8	Properties of aluminum oxide thin film obtained by metal plasma immersion ion implantation and deposition after zirconium-based pretreatment. Vacuum, 2015, 121, 32-41.	3.5	7
9	Effect of bombarding steel with Xe+ ions on the surface nanostructure and on pulsed plasma nitriding process. Materials Chemistry and Physics, 2015, 149-150, 261-269.	4.0	11
10	Evaluation of different methods of cooling-lubrication in cylindrical grinding of advanced ceramic dip. Materials Research, 2014, 17, 1201-1212.	1.3	12
11	Self-organized 2D Ni particles deposited on titanium oxynitride-coated Si sculpted by a low energy ion beam. Journal Physics D: Applied Physics, 2014, 47, 195303.	2.8	4
12	Cation exchange dynamics confined in a synthetic clay mineral. European Physical Journal: Special Topics, 2014, 223, 1883-1893.	2.6	6
13	Influence of ion-beam bombardment on the physical properties ofÂ100Cr6 steel. Materials Chemistry and Physics, 2014, 147, 105-112.	4.0	8
14	EXAFS and XRD studies in synthetic Ni-fluorohectorite. Applied Clay Science, 2014, 96, 60-66.	5.2	14
15	The effect of noble gas bombarding on nitrogen diffusion in steel. Materials Chemistry and Physics, 2013, 143, 116-123.	4.0	6
16	Synchrotron X-ray diffraction characterization of healthy and fluorotic human dental enamel. Radiation Physics and Chemistry, 2012, 81, 1578-1585.	2.8	2
17	Quantitative evaluation of bone-mineral density loss using X-ray coherent scattering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 318-321.	1.6	4
18	Evaluation of bone mineral density loss using an X-ray powder diffractometer and synchrotron radiation at LNLSâ€"Brazil. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 469-472.	1.6	2

#	Article	IF	Citations
19	X-ray powder diffraction beamline at D10B of LNLS: application to the Ba2FeReO6double perovskite. Journal of Synchrotron Radiation, 2006, 13, 46-53.	2.4	115
20	Influence of the process temperature on the steel microstructure and hardening in pulsed plasma nitriding. Surface and Coatings Technology, 2006, 201, 452-457.	4.8	63
21	Dynamics of water intercalation fronts in a nano-layered synthetic silicate: A synchrotron X-ray scattering study. Physica B: Condensed Matter, 2005, 370, 90-98.	2.7	21
22	Comprehensive spectroscopic study of nitrogenated carbon nanotubes. Physical Review B, 2004, 69, .	3.2	65
23	Stability of Small Carbon-Nitride Heterofullerenes. Physical Review Letters, 2003, 90, 015501.	7.8	38
24	Incorporation of nitrogen in carbon nanotubes. Journal of Non-Crystalline Solids, 2002, 299-302, 874-879.	3.1	92
25	Structural properties of hydrogenated carbon-nitride films produced by ion-beam-assisted evaporation of the molecular precursor C4N6H4. Journal of Applied Physics, 2001, 89, 7852-7859.	2.5	2
26	A comprehensive nitriding study by low energy ion beam implantation on stainless steel. Surface and Coatings Technology, 2001, 146-147, 405-409.	4.8	17
27	Comparative study on the bonding structure of hydrogenated and hydrogen free carbon nitride films with high N content. Diamond and Related Materials, 2000, 9, 577-581.	3.9	68
28	Influence of Xe Ion-Bombardment on the Substrate Microstructure and the Residual Stresses of Tin Coatings Deposited by Plasma Reactive Sputtering onto AISI 4140 Steel. Advanced Materials Research, 0, 996, 841-847.	0.3	2