

Roosevelt Droppa Jr

List of Publications by Year in descending order

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28
papers

614
citations

840776

11
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

922
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray powder diffraction beamline at D10B of LNLS: application to the Ba ₂ FeReO ₆ double perovskite. Journal of Synchrotron Radiation, 2006, 13, 46-53.	2.4	115
2	Incorporation of nitrogen in carbon nanotubes. Journal of Non-Crystalline Solids, 2002, 299-302, 874-879.	3.1	92
3	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
4	Comprehensive spectroscopic study of nitrogenated carbon nanotubes. Physical Review B, 2004, 69, .	3.2	65
5	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
6	Stability of Small Carbon-Nitride Heterofullerenes. Physical Review Letters, 2003, 90, 015501.	7.8	38
7	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
8	Continuous water adsorption states promoted by Ni ²⁺ confined in a synthetic smectite. Applied Clay Science, 2016, 123, 83-91.	5.2	19
9	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
10	EXAFS and XRD studies in synthetic Ni-fluorohectorite. Applied Clay Science, 2014, 96, 60-66.	5.2	14
11	Evaluation of different methods of cooling-lubrication in cylindrical grinding of advanced ceramic dip. Materials Research, 2014, 17, 1201-1212.	1.3	12
12	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
13	Water vapor diffusive transport in a smectite clay: Cationic control of normal versus anomalous diffusion. Physical Review E, 2019, 99, 013102.	2.1	10
14	Influence of ion-beam bombardment on the physical properties of 100Cr6 steel. Materials Chemistry and Physics, 2014, 147, 105-112.	4.0	8
15	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
16	Self-organized nickel nanoparticles on nanostructured silicon substrate intermediated by a titanium oxynitride (TiN _x O _y) interface. AIP Advances, 2018, 8, 015025.	1.3	8
17	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
18	The effect of noble gas bombarding on nitrogen diffusion in steel. Materials Chemistry and Physics, 2013, 143, 116-123.	4.0	6

#	ARTICLE	IF	CITATIONS
19	Cation exchange dynamics confined in a synthetic clay mineral. <i>European Physical Journal: Special Topics</i> , 2014, 223, 1883-1893.	2.6	6
20	Quantitative evaluation of bone-mineral density loss using X-ray coherent scattering. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 579, 318-321.	1.6	4
21	Self-organized 2D Ni particles deposited on titanium oxynitride-coated Si sculpted by a low energy ion beam. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 195303.	2.8	4
22	Effect of Low Temperature Nitriding of 100Cr6 Substrates on TiN Coatings Deposited by IBAD. <i>Materials Research</i> , 2015, 18, 54-58.	1.3	4
23	Residual stress in nano-structured stainless steel (AISI 316L) prompted by Xe ⁺ ion bombardment at different impinging angles. <i>Journal of Applied Physics</i> , 2016, 120, 145306.	2.5	3
24	Effect of ion peening and pulsed plasma nitriding on the structural properties of TiN coatings sputtered onto 100Cr6 steel. <i>Materials Chemistry and Physics</i> , 2019, 235, 121723.	4.0	3
25	Structural properties of hydrogenated carbon-nitride films produced by ion-beam-assisted evaporation of the molecular precursor C ₄ N ₆ H ₄ . <i>Journal of Applied Physics</i> , 2001, 89, 7852-7859.	2.5	2
26	Evaluation of bone mineral density loss using an X-ray powder diffractometer and synchrotron radiation at LNSâ€”Brazil. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007, 580, 469-472.	1.6	2
27	Synchrotron X-ray diffraction characterization of healthy and fluorotic human dental enamel. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1578-1585.	2.8	2
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. <i>Advanced Materials Research</i> , 0, 996, 841-847.	0.3	2