

Raul Gago

List of Publications by Year in descending order

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144
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109137

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g-index

144
all docs

144
docs citations

144
times ranked

3704
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of ordered silicon nanocrystals by low-energy ion sputtering. Applied Physics Letters, 2001, 78, 3316-3318.	1.5	226
2	Self-Organized Ordering of Nanostructures Produced by Ion-Beam Sputtering. Physical Review Letters, 2005, 94, 016102.	2.9	212
3	Self-organized nanopatterning of silicon surfaces by ion beam sputtering. Materials Science and Engineering Reports, 2014, 86, 1-44.	14.8	142
4	Stress-induced solid flow drives surface nanopatterning of silicon by ion-beam irradiation. Physical Review B, 2012, 86, .	1.1	92
5	Structure and properties of silver-containing a-C(H) films deposited by plasma immersion ion implantation. Surface and Coatings Technology, 2008, 202, 3675-3682.	2.2	87
6	Towards nanometric resolution in multilayer depth profiling: a comparative study of RBS, SIMS, XPS and GDOES. Analytical and Bioanalytical Chemistry, 2010, 396, 2725-2740.	1.9	79
7	Electrochemical behavior of nanocrystalline Ta/TaN multilayer on 316L stainless steel: Novel bipolar plates for proton exchange membrane fuel-cells. Journal of Power Sources, 2016, 322, 1-9.	4.0	74
8	Hydrogen quantification in hydrogenated amorphous carbon films by infrared, Raman, and x-ray absorption near edge spectroscopies. Journal of Applied Physics, 2009, 105, .	1.1	73
9	Sixfold ring clustering insp ² -dominated carbon and carbon nitride thin films: A Raman spectroscopy study. Physical Review B, 2006, 73, .	1.1	70
10	Spectroscopy of I€ bonding in hard graphitic carbon nitride films: Superstructure of basal planes and hardening mechanisms. Physical Review B, 2000, 62, 4261-4264.	1.1	68
11	Structural properties and corrosion resistance of tantalum nitride coatings produced by reactive DC magnetron sputtering. RSC Advances, 2016, 6, 89061-89072.	1.7	65
12	Temperature influence on the production of nanodot patterns by ion beam sputtering of Si(001). Physical Review B, 2006, 73, .	1.1	64
13	Tuning the surface morphology in self-organized ion beam nanopatterning of Si(001) via metal incorporation: from holes to dots. Nanotechnology, 2008, 19, 355306.	1.3	63
14	Nanopatterning of silicon surfaces by low-energy ion-beam sputtering: dependence on the angle of ion incidence. Nanotechnology, 2002, 13, 304-308.	1.3	61
15	Evolution of sp ² networks with substrate temperature in amorphous carbon films: Experiment and theory. Physical Review B, 2005, 72, .	1.1	61
16	Bonding and hardness in nonhydrogenated carbon films with moderate sp ³ content. Journal of Applied Physics, 2000, 87, 8174-8180.	1.1	57
17	Characterization of the unoccupied and partially occupied states of TTF-TCNQ by XANES and first-principles calculations. Physical Review B, 2003, 68, .	1.1	54
18	Observation and Modeling of Interrupted Pattern Coarsening: Surface Nanostructuring by Ion Erosion. Physical Review Letters, 2010, 104, 026101.	2.9	54

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19	Order enhancement and coarsening of self-organized silicon nanodot patterns induced by ion-beam sputtering. Applied Physics Letters, 2006, 89, 233101.	1.5	53
20	Comparative depth-profiling analysis of nanometer-metal multilayers by ion-probing techniques. TrAC - Trends in Analytical Chemistry, 2009, 28, 494-505.	5.8	51
21	Identification of ternary boron-carbon-nitrogen hexagonal phases by x-ray absorption spectroscopy. Applied Physics Letters, 2001, 78, 3430-3432.	1.5	50
22	Diagnostics of a N ₂ /Ar direct current magnetron discharge for reactive sputter deposition of fullerene-like carbon nitride thin films. Journal of Applied Physics, 2003, 94, 7059-7066.	1.1	49
23	Nanoscale pattern formation at surfaces under ion-beam sputtering: A perspective from continuum models. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 894-900.	0.6	49
24	Self-Organized Surface Nanopatterning by Ion Beam Sputtering. , 2009, , 323-398.		46
25	Nonuniversality due to inhomogeneous stress in semiconductor surface nanopatterning by low-energy ion-beam irradiation. Physical Review B, 2015, 91, .	1.1	44
26	Transition from amorphous boron carbide to hexagonal boron carbon nitride thin films induced by nitrogen ion assistance. Journal of Applied Physics, 2002, 92, 5177-5182.	1.1	43
27	Detecting with X-ray absorption spectroscopy the modifications of the bonding structure of graphitic carbon by amorphisation, hydrogenation and nitrogenation. Surface Science, 2001, 482-485, 530-536.	0.8	42
28	Direct Nanopatterning of Metal Surfaces Using Self-Assembled Molecular Films. Advanced Materials, 2004, 16, 405-409.	11.1	42
29	Boron carbides formed by coevaporation of B and C atoms: Vapor reactivity, and bonding structure. Physical Review B, 2008, 77, .	1.1	42
30	X-Ray absorption studies of cubic boron-carbon-nitrogen films grown by ion beam assisted evaporation. Diamond and Related Materials, 2001, 10, 1165-1169.	1.8	40
31	Correlation between bonding structure and microstructure in fullerene-like carbon nitride thin films. Physical Review B, 2005, 71, .	1.1	40
32	Tribological properties of ternary BCN films with controlled composition and bonding structure. Diamond and Related Materials, 2004, 13, 1532-1537.	1.8	39
33	Spectroscopic ellipsometry investigation of amorphous carbon films with different sp ³ content: relation with protein adsorption. Thin Solid Films, 2004, 455-456, 530-534.	0.8	37
34	Nanopatterning dynamics on Si(100) during oblique 40-keV Ar erosion with metal codeposition: Morphological and compositional correlation. Physical Review B, 2012, 86, .	1.1	37
35	Growth and characterisation of boron-carbon-nitrogen coatings obtained by ion beam assisted evaporation. Vacuum, 2002, 64, 199-204.	1.6	36
36	Tribological study of hydrogenated amorphous carbon films with tailored microstructure and composition produced by bias-enhanced plasma chemical vapour deposition. Diamond and Related Materials, 2010, 19, 1093-1102.	1.8	36

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37	Hardening Mechanisms in Graphitic Carbon Nitride Films Grown with N ₂ /Ar Ion Assistance. <i>Chemistry of Materials</i> , 2001, 13, 129-135.	3.2	35
38	Early stage of ripple formation on Ge(001) surfaces under near-normal ion beam sputtering. <i>Nanotechnology</i> , 2008, 19, 035304.	1.3	35
39	Spectral evidence of spinodal decomposition, phase transformation and molecular nitrogen formation in supersaturated TiAlN films upon annealing. <i>Acta Materialia</i> , 2011, 59, 6287-6296.	3.8	35
40	Direct spectroscopic evidence of self-formed C ₆₀ inclusions in fullerene-like hydrogenated carbon films. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	34
41	Production of nanohole/nanodot patterns on Si(001) by ion beam sputtering with simultaneous metal incorporation. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 224009.	0.7	34
42	Thin Films of Molecular Metals TTF-TCNQ. <i>Journal of Solid State Chemistry</i> , 2002, 168, 384-389.	1.4	33
43	Depth-resolved analysis of spontaneous phase separation in the growth of lattice-matched AlInN. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 055406.	1.3	33
44	Effect of the substrate temperature on the deposition of hydrogenated amorphous carbon by PACVD at 35 kHz. <i>Thin Solid Films</i> , 1999, 338, 88-92.	0.8	32
45	Deposition of TiN/AlN bilayers on a rotating substrate by reactive sputtering. <i>Surface and Coatings Technology</i> , 2002, 157, 26-33.	2.2	32
46	Electronic structure and conductivity of nanocomposite metal (Au, Ag, Cu, Mo)-containing amorphous carbon films. <i>Solid State Sciences</i> , 2009, 11, 1742-1746.	1.5	32
47	Establishing the mechanism of thermally induced degradation of ZnO:Al electrical properties using synchrotron radiation. <i>Applied Physics Letters</i> , 2010, 96, 141907.	1.5	32
48	X-Ray absorption studies of bonding environments in graphitic carbon nitride. <i>Diamond and Related Materials</i> , 2001, 10, 1170-1174.	1.8	30
49	In-depth optical and structural study of silver-based low-emissivity multilayer coatings for energy-saving applications. <i>Journal Physics D: Applied Physics</i> , 2004, 37, 1554-1557.	1.3	29
50	<i>In situ</i> x-ray scattering study of self-organized nanodot pattern formation on GaSb(001) by ion beam sputtering. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	29
51	Boron-carbon-nitrogen compounds grown by ion beam assisted evaporation. <i>Thin Solid Films</i> , 2000, 373, 277-281.	0.8	28
52	Universal non-equilibrium phenomena at submicrometric surfaces and interfaces. <i>European Physical Journal: Special Topics</i> , 2007, 146, 427-441.	1.2	28
53	Surface nanopatterns induced by ion-beam sputtering. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 220301.	0.7	28
54	Fine structure at the X-ray absorption $\tilde{\epsilon}^*$ and \tilde{f}^* bands of amorphous carbon. <i>Diamond and Related Materials</i> , 2003, 12, 110-115.	1.8	27

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55	Molding and Replication of Ceramic Surfaces with Nanoscale Resolution. <i>Small</i> , 2005, 1, 300-309.	5.2	27
56	Bonding structure of BCN nanopowders prepared by ball milling. <i>Diamond and Related Materials</i> , 2007, 16, 1450-1454.	1.8	27
57	X-ray absorption near-edge structure of hexagonal ternary phases in sputter-deposited TiAlN films. <i>Journal of Alloys and Compounds</i> , 2013, 561, 87-94.	2.8	26
58	Surface nanopatterning of metal thin films by physical vapour deposition onto surface-modified silicon nanodots. <i>Nanotechnology</i> , 2004, 15, S197-S200.	1.3	24
59	Hemocompatibility of low-friction boron-carbon-nitrogen containing coatings. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 77B, 179-187.	1.6	24
60	Hydrogen stability in hydrogenated amorphous carbon films with polymer-like and diamond-like structure. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	24
61	Fullerenelike arrangements in carbon nitride thin films grown by direct ion beam sputtering. <i>Applied Physics Letters</i> , 2005, 87, 071901.	1.5	23
62	Optical and compositional analysis of functional SiO _x C _y :H coatings on polymers. <i>Thin Solid Films</i> , 2006, 515, 2493-2496.	0.8	23
63	X-ray Spectroscopic and Magnetic Investigation of C:Ni Nanocomposite Films Grown by Ion Beam Cosputtering. <i>Journal of Physical Chemistry C</i> , 2008, 112, 12628-12637.	1.5	23
64	Aluminum incorporation in Ti _{1-x} Al _x N films studied by x-ray absorption near-edge structure. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	22
65	Independence of interrupted coarsening on initial system order: ion-beam nanopatterning of amorphous versus crystalline silicon targets. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 375302.	0.7	22
66	Effect of Carbon Incorporation on the Microstructure of BC _x N (<i>x</i> = 0.25, 1). <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i> 2010, 22, 1949-1951.	3.2	21
67	Phase composition and tribomechanical properties of Ti-C nanocomposite coatings prepared by magnetron sputtering. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 375401.	1.3	21
68	The effect of nitrogen incorporation on the bonding structure of hydrogenated carbon nitride films. <i>Journal of Applied Physics</i> , 2007, 101, 063515.	1.1	19
69	Surface Morphology of Heterogeneous Nanocrystalline Rutile/Amorphous Anatase TiO ₂ Films Grown by Reactive Pulsed Magnetron Sputtering. <i>Plasma Processes and Polymers</i> , 2010, 7, 813-823.	1.6	19
70	Development of interference filters based on multilayer porous silicon structures. <i>Materials Science and Engineering C</i> , 2003, 23, 1043-1046.	3.8	17
71	Spectroscopic evidence of NO _x formation and band-gap narrowing in N-doped TiO ₂ films grown by pulsed magnetron sputtering. <i>Materials Chemistry and Physics</i> , 2012, 136, 729-736.	2.0	17
72	Bonding structure and morphology of chromium oxide films grown by pulsed-DC reactive magnetron sputter deposition. <i>Journal of Alloys and Compounds</i> , 2016, 672, 529-535.	2.8	17

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73	Stress measurement and stress relaxation during magnetron sputter deposition of cubic boron nitride thin films. <i>Thin Solid Films</i> , 2004, 447-448, 131-135.	0.8	16
74	Effect of the growth temperature and the AlN mole fraction on In incorporation and properties of quaternary III-nitride layers grown by molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2008, 104, 083510.	1.1	16
75	A review of monolithic and multilayer coatings within the boron-carbon-nitrogen system by ion-beam-assisted deposition. <i>Journal of Materials Research</i> , 2012, 27, 743-764.	1.2	16
76	Synthesis of carbon nitride thin films by low-energy ion beam assisted evaporation: on the mechanisms for fullerene-like microstructure formation. <i>Thin Solid Films</i> , 2005, 483, 89-94.	0.8	15
77	Nanometric resolution in glow discharge optical emission spectroscopy and Rutherford backscattering spectrometry depth profiling of metal (Cr, Al) nitride multilayers. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2006, 61, 545-553.	1.5	15
78	Calibration of nitrogen content for GDOES depth profiling of complex nitride coatings. <i>Journal of Analytical Atomic Spectrometry</i> , 2007, 22, 1512.	1.6	15
79	Transition from smoothing to roughening of ion-eroded GaSb surfaces. <i>Applied Physics Letters</i> , 2009, 94, 193103.	1.5	15
80	On the bonding structure of hydrogenated carbon nitrides grown by electron cyclotron resonance chemical vapour deposition: towards the synthesis of non-graphitic carbon nitrides. <i>Diamond and Related Materials</i> , 2002, 11, 1161-1165.	1.8	14
81	Direct molding of nanopatterned polymeric films: Resolution and errors. <i>Applied Physics Letters</i> , 2003, 82, 457-459.	1.5	13
82	X-ray diffraction study of stress relaxation in cubic boron nitride films grown with simultaneous medium-energy ion bombardment. <i>Applied Physics Letters</i> , 2004, 85, 5905-5907.	1.5	13
83	Characterization of biofunctional thin films deposited by activated vapor silanization. <i>Journal of Materials Research</i> , 2008, 23, 1931-1939.	1.2	13
84	Photoluminescence enhancement in quaternary III-nitrides alloys grown by molecular beam epitaxy with increasing Al content. <i>Journal of Applied Physics</i> , 2008, 103, 046104.	1.1	13
85	Ion damage overrides structural disorder in silicon surface nanopatterning by low-energy ion beam sputtering. <i>Europhysics Letters</i> , 2015, 109, 48003.	0.7	13
86	Aluminium incorporation in $\text{Al}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ heterostructures: A comparative study by ion beam analysis and X-ray diffraction. <i>Thin Solid Films</i> , 2008, 516, 8447-8452.	0.8	12
87	Thermal Stability and Oxidation Resistance of Nanocomposite $\text{TiC}/\text{a-C}$ Protective Coatings. <i>Plasma Processes and Polymers</i> , 2009, 6, S462.	1.6	12
88	Ultrasoother growth of amorphous silicon films through ion-induced long-range surface correlations. <i>Applied Physics Letters</i> , 2011, 98, 011904.	1.5	12
89	Influence of metal co-deposition on silicon nanodot patterning dynamics during ion-beam sputtering. <i>Nanotechnology</i> , 2014, 25, 415301.	1.3	12
90	Strong Room Temperature Blue Emission from Rapid Thermal Annealed Cerium-Doped Aluminum (Oxy)Nitride Thin Films. <i>ACS Photonics</i> , 2017, 4, 1945-1953.	3.2	12

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91	Heavy-ion ERDA and spectroscopic ellipsometry characterization of a SiOC:H layered structure as functional coating on polymeric lenses. Nuclear Instruments & Methods in Physics Research B, 2004, 219-220, 908-913.	0.6	11
92	Detection of intrinsic stress in cubic boron nitride films by x-ray absorption near-edge structure: Stress relaxation mechanisms by simultaneous ion implantation during growth. Physical Review B, 2007, 76, .	1.1	11
93	Versatile vacuum chamber for <i>in situ</i> surface X-ray scattering studies. Journal of Synchrotron Radiation, 2008, 15, 414-419.	1.0	11
94	Annealing of heterogeneous phase TiO ₂ films: An X-ray absorption and morphological study. Chemical Physics Letters, 2011, 511, 367-371.	1.2	11
95	Growth of nanocolumnar thin films on patterned substrates at oblique angles. Plasma Processes and Polymers, 2019, 16, 1800135.	1.6	11
96	Identification of Ternary Phases in TiBC/a-C Nanocomposite Thin Films: Influence on the Electrical and Optical Properties. Plasma Processes and Polymers, 2011, 8, 579-588.	1.6	10
97	Surface morphology of molybdenum silicide films upon low-energy ion beam sputtering. Journal of Physics Condensed Matter, 2018, 30, 264003.	0.7	10
98	X-Ray absorption study of the bonding structure of BCN compounds enriched in carbon by CH ₄ ion assistance. Diamond and Related Materials, 2002, 11, 1295-1299.	1.8	9
99	Impact of Annealing on the Conductivity of Amorphous Carbon Films Incorporating Copper and Gold Nanoparticles Deposited by Pulsed Dual Cathodic Arc. Plasma Processes and Polymers, 2009, 6, S438.	1.6	9
100	Sublattice-specific ordering of ZnO layers during the heteroepitaxial growth at different temperatures. Journal of Applied Physics, 2011, 110, 113516.	1.1	9
101	Self-organized surface nanopatterns on Cd(Zn)Te crystals induced by medium-energy ion beam sputtering. Journal Physics D: Applied Physics, 2013, 46, 455302.	1.3	9
102	Influence of electronic structure, plasmon-phonon and plasmon-polariton excitations on anomalously low heat conductivity in TiAlN/Ag nanoscale multilayer coatings. Current Applied Physics, 2016, 16, 459-468.	1.1	9
103	Structure of MgO/V/MgO(001) thin films studied by the combination of X-ray photoemission and ion beam analysis techniques. Surface Science, 2006, 600, 497-506.	0.8	8
104	Interface-Induced Plasmon Nonhomogeneity in Nanostructured Metal-Dielectric Planar Metamaterial. Journal of Nanomaterials, 2015, 2015, 1-9.	1.5	8
105	Choice of boron-carbon-nitrogen coating material for electron emission based on photoelectric yield measurements during x-ray absorption studies. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2001, 19, 1358.	1.6	7
106	Hybrid titania-aminosilane platforms evaluated with human mesenchymal stem cells. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2007, 83B, 232-239.	1.6	7
107	Structural impact of chromium incorporation in as-grown and flash-lamp-annealed sputter deposited titanium oxide films. Journal of Alloys and Compounds, 2017, 729, 438-445.	2.8	7
108	Chemical Functionalization of the Zinc Selenide Surface and Its Impact on Lactobacillus rhamnosus GG Biofilms. ACS Applied Materials & Interfaces, 2020, 12, 14933-14945.	4.0	7

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109	Nitrogen incorporation in carbon nitride films produced by direct and dual ion-beam sputtering. Journal of Applied Physics, 2005, 98, 074907.	1.1	6
110	Influence of steering effects on strain detection in AlGaInN/GaN heterostructures by ion channelling. Journal Physics D: Applied Physics, 2009, 42, 065420.	1.3	6
111	Highly ordered silicide ripple patterns induced by medium-energy ion irradiation. Physical Review B, 2020, 102, .	1.1	6
112	Thin Film Growth by Ion-Beam-Assisted Deposition Techniques. , 2006, , 345-382.		6
113	Influence of ion current on the growth of carbon films by ion-beam-assisted deposition. Diamond and Related Materials, 1999, 8, 1944-1950.	1.8	5
114	Rutherford backscattering spectrometry characterization of nanoporous chalcogenide thin films grown at oblique angles. Journal of Analytical Atomic Spectrometry, 2008, 23, 981.	1.6	5
115	Breakdown of anomalous channeling with ion energy for accurate strain determination in GaN-based heterostructures. Applied Physics Letters, 2009, 95, 051921.	1.5	5
116	Mg doping of InGaN layers grown by PA-MBE for the fabrication of Schottky barrier photodiodes. Journal Physics D: Applied Physics, 2010, 43, 335101.	1.3	5
117	Atomistic model of ultra-smooth amorphous thin film growth by low-energy ion-assisted physical vapour deposition. Journal Physics D: Applied Physics, 2013, 46, 395303.	1.3	5
118	Hydrogen incorporation in CN _x films deposited by ECR chemical vapor deposition. Diamond and Related Materials, 2003, 12, 632-635.	1.8	4
119	Microanalysis of Ar and He bombarded biomedical polymer films. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 496-500.	0.6	4
120	High-resolution hydrogen profiling in AlGaIn/GaN heterostructures grown by different epitaxial methods. Journal Physics D: Applied Physics, 2009, 42, 055406.	1.3	4
121	Extended X-ray absorption fine structure (EXAFS) investigations of Ti bonding environment in sputter-deposited nanocomposite TiBC/a-C thin films. IOP Conference Series: Materials Science and Engineering, 2010, 12, 012012.	0.3	4
122	Optimized allylamine deposition for improved pluripotential cell culture. Vacuum, 2011, 85, 1071-1075.	1.6	4
123	The confinement of phonon propagation in TiAlN/Ag multilayer coatings with anomalously low heat conductivity. Applied Physics Letters, 2016, 108, .	1.5	4
124	Correlated effects of fluorine and hydrogen in fluorinated tin oxide (FTO) transparent electrodes deposited by sputtering at room temperature. Applied Surface Science, 2021, 537, 147906.	3.1	4
125	Soft X-ray absorption study of sputtered tin oxide films. Journal of Alloys and Compounds, 2022, 902, 163768.	2.8	4
126	Damage effects from medium-energy ion bombardment during the growth of cubic-boron nitride films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1739-1744.	0.9	3

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127	Smart modification of magnetron sputtered TiN surfaces for stimulated differentiation. Surface and Coatings Technology, 2008, 203, 905-908.	2.2	3
128	Features of electronic and lattice mechanisms of transboundary heat transfer in multilayer nanolaminate TiAlN/Ag coatings. Scientific Reports, 2017, 7, 17078.	1.6	3
129	Phase Selectivity in Cr and N Co-Doped TiO ₂ Films by Modulated Sputter Growth and Post-Deposition Flash-Lamp-Annealing. Coatings, 2019, 9, 448.	1.2	3
130	Structural and chemical characterization of functional SiO _x C _y :H coatings for polymeric lenses. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 2402.	1.6	2
131	Interplay between Morphology and Surface Transport in Nanopatterns Produced by Ion-Beam Sputtering. Materials Research Society Symposia Proceedings, 2007, 1059, 1.	0.1	2
132	Surface morphology of amorphous SiO ₂ substrates bombarded with 1.0 MeV Si ⁺ ions. Journal of Physics Condensed Matter, 2018, 30, 274005.	0.7	2
133	Ultraviolet optical excitation of near infrared emission of Yb-doped crystalline aluminum oxynitride thin films. Journal of Applied Physics, 2018, 124, 033102.	1.1	2
134	Soft X-ray absorption study of tantalum incorporation in titanium oxide films: Impact of flash-lamp annealing. Ceramics International, 2020, 46, 15772-15778.	2.3	2
135	Study of SiN _x :H _y passivant layers for AlGaIn/GaN high electron mobility transistors. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 518-521.	0.8	1
136	Energy dependence of the ripple wavelength for ion-beam sputtering of silicon: Experiments and theory. , 2013, , .		1
137	Special issue on surfaces patterned by ion sputtering. Journal of Physics Condensed Matter, 2018, 30, 450301.	0.7	1
138	Interconnections between Electronic Structure and Optical Properties of Multilayer Nanolaminate TiAlN/Ag and Al ₂ O ₃ /Ag Coatings. Coatings, 2018, 8, 290.	1.2	1
139	In Situ Monitoring of Alkanethiol Self-Assembly onto Zinc Selenide: The Role of Substrate Pretreatment and Its Implication in Bacterial Attachment. Advanced Materials Interfaces, 2020, 7, 2000848.	1.9	1
140	Morphological impact of low-energy Xe ⁺ irradiation on polycrystalline titanium targets. Journal of Physics: Conference Series, 2020, 1593, 012041.	0.3	1
141	Plasma Process. Polym. 9(10)/2010. Plasma Processes and Polymers, 2010, 7, .	1.6	0
142	Ultraviolet to infrared downshifting in Ce and Yb co-doped aluminum oxynitride thin films. Journal Physics D: Applied Physics, 2019, 52, 285105.	1.3	0
143	Anomalous Heat Transport in Nanolaminate Metal/Oxide Multilayer Coatings: Plasmon and Phonon Excitations. Coatings, 2020, 10, 260.	1.2	0
144	Efecto del argon en películas CN _x :H _y ; depositadas mediante ECR-CVD. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2004, 43, 491-493.	0.9	0