Dante Ferreira Franceschini

List of Publications by Year
in descending order

49 papers	1,556 citations	331259 21 h-index	301761 39 g-index
49 all docs	49 docs citations	49 times ranked	1003 citing authors

#	Article	IF	Citations
1	Nitrogen modification of hydrogenated amorphous carbon films. Journal of Applied Physics, 1997, 81, 2626-2634.	1.1	333
2	Internal stress reduction by nitrogen incorporation in hard amorphous carbon thin films. Applied Physics Letters, 1992, 60, 3229-3231.	1.5	218
3	Structural and mechanical characterization of fluorinated amorphous-carbon films deposited by plasma decomposition of CF[sub 4]â€“CH[sub 4] gas mixtures. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 2230.	0.9	77
4	Structure and mechanical properties of hard amorphous carbon-nitrogen films obtained by plasma decomposition of methane-ammonia mixtures. Thin Solid Films, 1997, 293, 236-243.	0.8	75
5	Magnetic properties of Ce(Fe1-xAlx)2 for xâ©½0.20. Journal of Magnetism and Magnetic Materials, 1985, 51, 280-290.	1.0	67
6	Atomic force microscopy of amorphous hydrogenated carbonâ€“nitrogen films deposited by radioâ€frequencyâ€plasma decomposition of methaneâ€“ammonia gas mixtures. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1996, 14, 2351-2355.	0.9	56
7	Nitrogenated amorphous carbon as a semiconductor. Diamond and Related Materials, 1996, 5, 401-404.	1.8	50
8	Film growth and relationship between microstructure and mechanical properties of a-C:H:F films deposited by PECVD. Diamond and Related Materials, 2001, 10, 125-131.	1.8	49
9	Influence of precursor gases on the structure of plasma deposited amorphous hydrogenated carbonâ€“nitrogen films. Applied Physics Letters, 1996, 68, 2645-2647.	1.5	45
10	Hard amorphous hydrogenated carbon-nitrogen films obtained by PECVD in methane-ammonia atmospheres. Diamond and Related Materials, 1996, 5, 471-474.	1.8	39
11	Structural modifications in a-C:H films doped and implanted with nitrogen. Diamond and Related Materials, 1994, 3, 88-93.	1.8	36
12	Carbon nitride thin films prepared by reactive sputtering: Elemental composition and structural characterization. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1997, 15, 1970-1975.	0.9	35
13	Polyaniline nanofibersâ€“graphene oxide nanoplatelets composite thin film electrodes for electrochemical capacitors. RSC Advances, 2014, 4, 34168-34178.	1.7	33
14	Growth kinetics and relationship between structure and mechanical properties of a-C(N):H films deposited in acetyleneâ€“nitrogen atmospheres. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1999, 17, 545-551.	0.9	32
15	RBS, ERDA and NR analyses of hard amorphous nitrogen-incorporated carbon films. Nuclear Instruments & Methods in Physics Research B, 1994, 85, 268-271.	0.6	27
16	Tuning the morphology of manganese oxide nanostructures for obtaining both high gravimetric and volumetric capacitance. Materials Advances, 2020, 1, 2433-2442.	2.6	27
17	Amorphous hydrogenated carbon nitride films obtained by plasma-enhanced chemical vapour deposition. Surface and Coatings Technology, 1995, 74-75, 382-386.	2.2	24
18	Biogenic approaches using citrus extracts for the synthesis of metal nanoparticles: the role of flavonoids in gold reduction and stabilization. New Journal of Chemistry, 2016, 40, 1420-1429.	1.4	24

#	Article	IF	Citations
19	Hard a-C(N):H films obtained from plasma decomposition of methylamine-containing mixtures. Diamond and Related Materials, 1997, 6, 631-634.	1.8	22
20	Fluorine incorporation into amorphous hydrogenated carbon films deposited by plasma-enhanced chemical vapor deposition: structural modifications investigated by X-ray photoelectron spectrometry and Raman spectroscopy. Diamond and Related Materials, 2001, 10, 910-914.	1.8	22
21	Er:SrF2 luminescent powders prepared by combustion synthesis. Materials Chemistry and Physics, 2012, 135, 317-321.	2.0	21
22	Structure and properties of a-C:H films deposited onto polymeric substrates. Diamond and Related Materials, 1997, 6, 551-554.	1.8	18
23	Support effect on carbon nanotube growth by methane chemical vapor deposition on cobalt catalysts. Journal of the Brazilian Chemical Society, 2012, 23, 868-879.	0.6	18
24	Two species model for deposition and erosion of carbon-nitrogen films. Applied Physics Letters, 1999, 74, 209-211.	1.5	17
25	Effects of postdeposition heat treatment on the structural and magnetic properties of CoFe2O4 nanoparticles produced by pulsed laser deposition. Journal of Applied Physics, 2017, 122, .	1.1	17
26	Manganese oxide nanofoam prepared by pulsed laser deposition for high performance supercapacitor electrodes. Materials Chemistry and Physics, 2020, 242, 122459.	2.0	17
27	Characterization of hard amorphous carbon films implanted with nitrogen ions. Nuclear Instruments & Methods in Physics Research B, 1993, 80-81, 1464-1467.	0.6	14
28	Superconductivity in Bi/Ni bilayer system: Clear role of superconducting phases found at Bi/Ni interface. Physical Review Materials, 2018, 2, .	0.9	14
29	Nitrogen Incorporation into Hard Amorphous Carbon Films Obtained by RF Plasma Decomposition of CH₄â€N₂ Gas Mixtures. Physica Status Solidi (B): Basic Research, 1995, 192, 493-502.	0.7	13
30	Statistical models for carbon-nitrogen film growth. Physical Review E, 2000, 61, 3417-3425.	0.8	12
31	Deposition of hard amorphous hydrogenated carbon films by radiofrequency parallel-plate hollow-cathode plasmas. Diamond and Related Materials, 2007, 16, 616-622.	1.8	12
32	Plasma-deposited a-C(N): H films. Brazilian Journal of Physics, 2000, 30, 517-526.	0.7	11
33	Nanoporosity in plasma deposited amorphous carbon films investigated by small-angle X-ray scattering. Diamond and Related Materials, 2002, 11, 1946-1951.	1.8	11
34	Magnetic behaviour of the intermetallic compound Ce(Fe0.8Al0.2)2. Journal of Physics F: Metal Physics, 1982, 12, 3083-3088.	1.6	10
35	Magnetic and electrical properties of iron-rich Ce(Fe1-xAlx)2 intermetallics: some remarks. Journal of Magnetism and Magnetic Materials, 1986, 62, 47-52.	1.0	8
36	In-depth modifications of implanted amorphous carbon films. Applied Physics A: Solids and Surfaces, 1994, 59, 667-672.	1.4	8

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37	Study of nitrogen implanted amorphous hydrogenated carbon thin films by variable-energy positron annihilation spectroscopy. Journal of Applied Physics, 1997, 81, 2451-2453.	1.1	7
38	Nickel nanoparticles supported by commercial carbon paper as a catalyst for urea electro-oxidation. Materials for Renewable and Sustainable Energy, 2020, 9, 1.	1.5	7
39	Amorphous carbon films deposited by direct current-magnetron sputtering: Void distribution investigated by gas effusion and small angle x-ray scattering experiments. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 2344.	0.9	6
40	Nanostructured europium oxide thin films deposited by pulsed laser ablation of a metallic target in a He buffer atmosphere. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2010, 28, 1092-1098.	0.9	5
41	Surface modifications in diamond-like carbon films submitted to low-energy nitrogen ion bombardment. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 699-704.	0.6	4
42	Comparison of the properties of a-C:H films deposited from methane and heptane precursors: study of the mechanical, chemical and structural properties. Thin Solid Films, 2020, 695, 137733.	0.8	4
43	Cobalt Catalyst Characterization for Methane Decomposition and Carbon Nanotube Growth. Journal of the Brazilian Chemical Society, 2014, , .	0.6	3
44	Structural Disorder in Hard Amorphous Carbon Films Implanted with Nitrogen Ions. Materials Research Society Symposia Proceedings, 1995, 396, 227.	0.1	2
45	Growth, Structure, and Properties of Plasma-Deposited Amorphous Hydrogenated Carbonâ€“Nitrogen Films. Thin Films and Nanostructures, 2002, , 217-276.	0.1	2
46	Structural and optical characterization of fluorinated hydrogenated silicon carbide films deposited by pulsed glow discharge. Surface and Coatings Technology, 2006, 200, 6079-6082.	2.2	2
47	Growth, structure, and properties of plasma-deposited amorphous hydrogenated Carbon-Nitrogen films. , 2002, , 649-676.		1
48	sp-hybridized carbon atoms formed by low-energy collisions in carbon nanofoams produced by pulsed laser deposition. Materials Letters, 2022, 314, 131886.	1.3	1
49	Voids Investigation of Amorphous Carbon Films Deposited by DC-Magnetron Sputtering: A Small Angle x-ray Scattering and Gas Thermal Effusion Study. Materials Research Society Symposia Proceedings, 1999, 593, 383.	0.1	0