Joan Cifre Bauza

List of Publications by Year
in descending order

41 papers	797 citations	516710 16 h-index	526287 27 g-index
41 all docs	41 docs citations	41 times ranked	511 citing authors

#	Article	IF	Citations
1	Polycrystalline silicon films obtained by hot-wire chemical vapour deposition. Applied Physics A: Solids and Surfaces, 1994, 59, 645-651.	1.4	85
2	Internal stress and strain in heavily boronâ€doped diamond films grown by microwave plasma and hot filament chemical vapor deposition. Journal of Applied Physics, 1996, 80, 1846-1850.	2.5	66
3	Pulsed laser deposition of diamond from graphite targets. Applied Physics Letters, 1995, 67, 485-487.	3.3	52
4	Influence of composition and heat treatment on damping and magnetostrictive properties of Feâ€“18%(Ga + Al) alloys. Acta Materialia, 2014, 78, 93-102.	7.9	45
5	Trimethylboron doping of CVD diamond thin films. Diamond and Related Materials, 1994, 3, 628-631.	3.9	44
6	Structural mechanisms of anelasticity in Feâ€“Ga-based alloys. Journal of Alloys and Compounds, 2014, 584, 322-326.	5.5	33
7	Diffusionless nature of D0 3 Ââ†'ÂL1 2 transition in Fe 3 Ga alloys. Journal of Alloys and Compounds, 2016, 656, 897-902.	5.5	31
8	Structure and anelasticity of Fe3Ga and Fe3(Ga,Al) type alloys. Journal of Alloys and Compounds, 2015, 644, 959-967.	5.5	27
9	Phase transition induced anelasticity in Feâ€“Ga alloys with 25 and 27%Ga. Journal of Alloys and Compounds, 2016, 675, 393-398.	5.5	27
10	Preparation and characterization of conducting thin films of molecular organic conductors (TTF-TCNQ). Journal of Crystal Growth, 1996, 166, 798-803.	1.5	25
11	Tb-dependent phase transitions in Fe-Ga functional alloys. Intermetallics, 2018, 93, 55-62.	3.9	25
12	Structure induced anelasticity in Fe3Me (MeÂ=ÂAl, Ga, Ge) alloys. Journal of Alloys and Compounds, 2016, 688, 310-319.	5.5	24
13	In situ studies of atomic ordering in Fe-19Ga type alloys. Intermetallics, 2019, 105, 6-12.	3.9	19
14	Analysis of contamination in diamond films by secondary ion mass spectroscopy. Diamond and Related Materials, 1992, 1, 500-503.	3.9	17
15	Growth of diamond by laser ablation of graphite. Diamond and Related Materials, 1995, 4, 780-783.	3.9	17
16	Study of Ordering and Properties in Fe-Ga Alloys With 18Âand 21Âat. pct Ga. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 1131-1139.	2.2	17
17	Anelasticity of iron-aluminide Fe3Al type single and polycrystals. Journal of Alloys and Compounds, 2018, 746, 660-669.	5.5	17
18	Internal friction in Fe-Ga alloys at elevated temperatures. Journal of Alloys and Compounds, 2019, 785, 1257-1263.	5.5	17

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19	Interfacial layer effects in the growth of CVD diamond. Diamond and Related Materials, 1994, 3, 492-494.	3.9	16
20	Effect of Mn and Cr additions on kinetics of recrystallization and parameters of grain-boundary relaxation of Al-4.9Mg alloy. Physics of Metals and Metallography, 2013, 114, 246-255.	1.0	16
21	Anelasticity of the Fe-Ga alloys in the range of Zener relaxation. Journal of Alloys and Compounds, 2018, 730, 424-433.	5.5	16
22	P-doped polycrystalline silicon films obtained at low temperature by hot-wire chemical vapor deposition. Applied Surface Science, 1995, 86, 600-603.	6.1	15
23	Mechanical spectroscopy as an in situ tool to study first and second order transitions in metastable Fe-Ga alloys. Journal of Alloys and Compounds, 2019, 790, 1149-1156.	5.5	15
24	Mechanical spectroscopy of atomic ordering in Fe-(16â^'21)Ga-RE alloys. Journal of Alloys and Compounds, 2021, 864, 158819.	5.5	14
25	Boron incorporation effects in CVD diamond film growth. Vacuum, 1994, 45, 1013-1014.	3.5	12
26	Structure of the Fe-Mn-Si alloys submitted to Î³â€¯â†”â€Îµ thermocycling. Materials Characterization, 2018, 141, 223-228.	4.4	11
27	Mechanical spectroscopy of phase transitions in Feâ€“(23â€“38)Ga-RE alloys. Journal of Alloys and Compounds, 2021, 874, 159882.	5.5	11
28	Plasma-deposited silicon nitride films with low hydrogen content for amorphous silicon thin-film transistors application. Sensors and Actuators A: Physical, 1993, 37-38, 333-336.	4.1	10
29	Effect of thermal cycling on microstructure and damping capacity of Feâ€“26Mnâ€“4Si alloy. Materials Characterization, 2020, 159, 110001.	4.4	10
30	Comparative study of trimethylboron doping of hot filament chemically vapour deposited and microwave plasma chemically vapour deposited diamond films. Thin Solid Films, 1994, 253, 136-140.	1.8	8
31	Deposition of Polysilicon Films by Hot-Wire CVD at Low Temperatures for Photovoltaic Applications. Materials Research Society Symposia Proceedings, 1995, 377, 63.	0.1	8
32	Evolution of the plumes produced by laser ablation of a carbon target. Diamond and Related Materials, 1995, 4, 337-341.	3.9	8
33	Spectroscopic ellipsometry measurements of the diamond-crystalline Si interface in chemically vapour-deposited polycrystalline diamond films. Diamond and Related Materials, 1993, 2, 728-731.	3.9	7
34	Influence of spinodal decomposition on structure and thermoelastic martensitic transition in MnCuAlNi alloy. Materials Letters, 2020, 275, 128069.	2.6	7
35	CVD diamond films on bio-medical ceramics. Diamond and Related Materials, 1995, 4, 798-801.	3.9	6
36	Structure and properties of high damping Fe-Ga based alloy. Metallic Materials, 2016, 53, 267-274.	0.3	5

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37	Influence of mechanical and heat treatment on structure evolution and functional properties of Fe-Al-Tb alloys. Materials Letters, 2022, 310, 131521.	2.6	5
38	Enhancement of the magneto-mechanical properties in directional solidified Fe80Al20 alloys by doping Tb. Journal of Alloys and Compounds, 2022, 893, 162262.	5.5	4
39	Study of post-deposition contamination in low-temperature deposited polysilicon films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1996, 36, 96-99.	3.5	3
40	Hypogene Speleogenetic Evidences in the Development of Cova des Pas de Vallgornera (Mallorca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.2	2
41	Study of post-deposition contamination in low-temperature deposited polysilicon films. , 1996, , 96-99.		0