

Enric Bertran

List of Publications by Year in descending order

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228
papers

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136950

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232
all docs

232
docs citations

232
times ranked

4115
citing authors

#	ARTICLE	IF	CITATIONS
1	Insights into the inherent properties of vertical graphene flakes towards hydrogen evolution reaction. <i>Applied Surface Science</i> , 2022, 592, 153327.	6.1	19
2	Boost of Charge Storage Performance of Graphene Nanowall Electrodes by Laser-Induced Crystallization of Metal Oxide Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17957-17970.	8.0	10
3	Homogeneous Fe ₂ O ₃ coatings on carbon nanotube structures for supercapacitors. <i>Dalton Transactions</i> , 2020, 49, 4136-4145.	3.3	16
4	Super-Capacitive Performance of Manganese Dioxide/Graphene Nano-Walls Electrodes Deposited on Stainless Steel Current Collectors. <i>Materials</i> , 2019, 12, 483.	2.9	21
5	Liquid switchable radial polarization converters made of sculptured thin films. <i>Applied Surface Science</i> , 2019, 475, 230-236.	6.1	3
6	Effect of temperature on graphene grown by chemical vapor deposition. <i>Journal of Materials Science</i> , 2017, 52, 8348-8356.	3.7	55
7	Laser-induced nanostructuring of vertically aligned carbon nanotubes coated with nickel oxide nanoparticles. <i>Journal of Materials Science</i> , 2017, 52, 4002-4015.	3.7	16
8	Laser-driven coating of vertically aligned carbon nanotubes with manganese oxide from metal organic precursors for energy storage. <i>Nanotechnology</i> , 2017, 28, 395405.	2.6	4
9	MAPLE synthesis of reduced graphene oxide/silver nanocomposite electrodes: Influence of target composition and gas ambience. <i>Journal of Alloys and Compounds</i> , 2017, 726, 1003-1013.	5.5	14
10	Evaluation of Graphene/WO ₃ and Graphene/CeO _x Structures as Electrodes for Supercapacitor Applications. <i>Nanoscale Research Letters</i> , 2017, 12, 635.	5.7	22
11	New Three-Dimensional Porous Electrode Concept: Vertically-Aligned Carbon Nanotubes Directly Grown on Embroidered Copper Structures. <i>Nanomaterials</i> , 2017, 7, 438.	4.1	9
12	Size Control of Carbon Encapsulated Iron Nanoparticles by Arc Discharge Plasma Method. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 26.	2.5	15
13	Effect of a Balanced Concentration of Hydrogen on Graphene CVD Growth. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-10.	2.7	24
14	Effect of pressure and hydrogen flow in nucleation density and morphology of graphene bidimensional crystals. <i>Materials Research Express</i> , 2016, 3, 075603.	1.6	18
15	Control of the Strain in Chemical Vapor Deposition-Grown Graphene over Copper via H ₂ Flow. <i>Journal of Physical Chemistry C</i> , 2016, 120, 25572-25577.	3.1	15
16	Vertically aligned carbon nanotubes as anode and air-cathode in single chamber microbial fuel cells. <i>Applied Physics Letters</i> , 2016, 109, 163904.	3.3	5
17	Synthesis of Carbon Encapsulated Mono- and Multi-Iron Nanoparticles. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-10.	2.7	7
18	Optical security verification by synthesizing thin films with unique polarimetric signatures. <i>Optics Letters</i> , 2015, 40, 5399.	3.3	14

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19	Vertically aligned carbon nanotubes coated with manganese dioxide as cathode material for microbial fuel cells. <i>Journal of Materials Science</i> , 2015, 50, 1214-1220.	3.7	25
20	Growth and Plasma Functionalization of Carbon Nanotubes. <i>Journal of Cluster Science</i> , 2015, 26, 315-336.	3.3	16
21	Mueller matrix microscopy on a <i>Morpho</i> butterfly. <i>Journal of Physics: Conference Series</i> , 2015, 605, 012008.	0.4	8
22	Conversion of a polarization microscope into a Mueller matrix microscope. Application to the measurement of textile fibers. <i>Optica Pura Y Aplicada</i> , 2015, 48, 309-316.	0.1	7
23	Growth and functionalization of CNTs on stainless steel electrodes for supercapacitor applications. <i>Materials Research Express</i> , 2014, 1, 035050.	1.6	13
24	Arc-Discharge Synthesis of Iron Encapsulated in Carbon Nanoparticles for Biomedical Applications. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-8.	2.7	14
25	Mueller matrix microscope with a dual continuous rotating compensator setup and digital demodulation. <i>Applied Optics</i> , 2014, 53, 2236.	1.8	104
26	Template growth of vertically aligned carbon nanotubes using self-assembled monolayers of SiO ₂ particles by Langmuir-Blodgett technique. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	1
27	3D distribution of magnetic CoNi alloy nanoparticles electrodeposited on vertically aligned MWCNT showing exceptional coercive field. <i>Materials Letters</i> , 2014, 124, 8-11.	2.6	2
28	Aqueous stabilisation of carbon-encapsulated superparamagnetic \pm -iron nanoparticles for biomedical applications. <i>Dalton Transactions</i> , 2014, 43, 13764-13775.	3.3	9
29	RF-PECVD growth and nitrogen plasma functionalization of CNTs on copper foil for electrochemical applications. <i>Diamond and Related Materials</i> , 2014, 49, 55-61.	3.9	19
30	Study of CNTs structural evolution during water assisted growth and transfer methodology for electrochemical applications. <i>Materials Chemistry and Physics</i> , 2014, 148, 914-922.	4.0	16
31	Hydrophilic-oleophobic coatings on cellulosic materials by plasma assisted polymerization in liquid phase and fluorosurfactant complexation. <i>Cellulose</i> , 2014, 21, 729-739.	4.9	16
32	Growth and functionalization of carbon nanotubes on quartz filter for environmental applications. <i>Journal of Environmental Engineering & Ecological Science</i> , 2014, 3, 2.	0.7	14
33	Nitrogen plasma functionalization of carbon nanotubes for supercapacitor applications. <i>Journal of Materials Science</i> , 2013, 48, 7620-7628.	3.7	79
34	Thermal-Induced Structural Evolution of Carbon-Encapsulated Iron Nanoparticles Generated by Two Different Methods. <i>Journal of Physical Chemistry C</i> , 2013, 117, 19167-19174.	3.1	17
35	Hot-Wire Chemical Vapor Deposition of Few-Layer Graphene on Copper Substrates. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 01AK02.	1.5	2
36	Surface Functionalization of Macroporous Polymeric Materials by Treatment with Air Low Temperature Plasma. <i>Journal of Nanoscience and Nanotechnology</i> , 2013, 13, 2819-2825.	0.9	8

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37	Photonic Characteristics of Langmuir-Blodgett Self-Assembled Monolayers of Colloidal Silica Particles. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 41-45.	0.4	4
38	In Situ Polymerization of Aqueous Solutions of NIPAAm Initiated by Atmospheric Plasma Treatment. <i>Plasma Processes and Polymers</i> , 2013, 10, 506-516.	3.0	24
39	Water Plasma Functionalized CNTs/MnO ₂ Composites for Supercapacitors. <i>Scientific World Journal</i> , The, 2013, 2013, 1-8.	2.1	15
40	Anisotropic surface properties of micro/nanostructured a-C:H:F thin films with self-assembly applications. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	9
41	Vertically Aligned Carbon Nanotubes for Microelectrode Arrays Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 6941-6947.	0.9	5
42	Self-assembled layers of colloidal crystals submicron spheres for photonic applications. , 2012, , .		1
43	Functionalization of carbon nanotubes by water plasma. <i>Nanotechnology</i> , 2012, 23, 385604.	2.6	45
44	Structure and physical properties of colloidal crystals made of silica particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 401, 38-47.	4.7	18
45	Ion energy distributions in bipolar pulsed-dc discharges of methane measured at the biased cathode. <i>Plasma Sources Science and Technology</i> , 2011, 20, 015006.	3.1	11
46	Modifying surface properties of diamond-like carbon films via nanotexturing. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 395301.	2.8	22
47	Optimization of MnO ₂ /vertically aligned carbon nanotube composite for supercapacitor application. <i>Journal of Power Sources</i> , 2011, 196, 5779-5783.	7.8	137
48	Detection and characterization of single nanoparticles by interferometric phase modulated ellipsometry. <i>Thin Solid Films</i> , 2011, 519, 2801-2805.	1.8	2
49	Nanoparticles in SiH ₄ -Ar plasma: Modelling and comparison with experimental data. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	7
50	Magnetic behaviour of non-contacting Ni nanoparticles encapsulated in vertically aligned carbon nanotubes. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 2679-2682.	0.8	25
51	Morphological and Magnetic Properties of Superparamagnetic Carbon-Coated Fe Nanoparticles Produced by Arc Discharge. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2646-2649.	0.9	7
52	Surface structuring of diamond-like carbon films by colloidal lithography with silica sub-micron particles. <i>Diamond and Related Materials</i> , 2010, 19, 1124-1130.	3.9	10
53	Optimal deposition conditions of TiN barrier layers for the growth of vertically aligned carbon nanotubes onto metallic substrates. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 104002.	2.8	14
54	Growth kinetics of nanometric dendrites in metal-carbon thin films. <i>Acta Materialia</i> , 2009, 57, 4948-4956.	7.9	10

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55	Influence of incident ion beam angle on dry etching of silica sub-micron particles deposited on Si substrates. <i>Thin Solid Films</i> , 2009, 518, 1543-1548.	1.8	12
56	Magnetic domain wall pinning by focused ion beam milling of permalloy layers. <i>Microelectronic Engineering</i> , 2009, 86, 878-881.	2.4	3
57	Efficient diffusion barrier layers for the catalytic growth of carbon nanotubes on copper substrates. <i>Carbon</i> , 2009, 47, 613-621.	10.3	67
58	Analytic model of nanoparticle formation and growth in a SiH ₄ -Ar plasma. <i>Technical Physics</i> , 2009, 54, 674-681.	0.7	1
59	Plasma parameters of pulsed-dc discharges in methane used to deposit diamondlike carbon films. <i>Journal of Applied Physics</i> , 2009, 106, 033302.	2.5	25
60	Magnetic response of CVD and PECVD iron filled multi-walled carbon nanotubes. <i>Diamond and Related Materials</i> , 2009, 18, 953-956.	3.9	12
61	Low friction and protective diamond-like carbon coatings deposited by asymmetric bipolar pulsed plasma. <i>Diamond and Related Materials</i> , 2009, 18, 1035-1038.	3.9	11
62	Effects of environmental conditions on fluorinated diamond-like carbon tribology. <i>Diamond and Related Materials</i> , 2009, 18, 923-926.	3.9	28
63	Effects of low temperature plasma on wool and wool/nylon blend dyed fabrics. <i>Fibers and Polymers</i> , 2008, 9, 293-300.	2.1	19
64	Study on the influence of scouring on the wettability of keratin fibers before plasma treatment. <i>Fibers and Polymers</i> , 2008, 9, 444-449.	2.1	17
65	Vertically aligned carbon nanotube based electrodes: Fabrication, characterisation and prospects. <i>Electrochemistry Communications</i> , 2008, 10, 1242-1245.	4.7	21
66	Structural and optical properties of diamond like thin films deposited by asymmetric bipolar pulsed-DC reactive magnetron sputtering. <i>Surface and Coatings Technology</i> , 2008, 202, 2354-2357.	4.8	13
67	Optical characterization of colloidal crystals based on dissymmetric metal-coated oxide microspheres. <i>Thin Solid Films</i> , 2008, 517, 1053-1057.	1.8	8
68	A self-consistent model for the production and growth of nanoparticles in low-temperature plasmas. <i>Russian Journal of Physical Chemistry B</i> , 2008, 2, 315-328.	1.3	1
69	Fluorinated DLC deposited by pulsed-DC plasma for antisticking surface applications. <i>Diamond and Related Materials</i> , 2008, 17, 1728-1732.	3.9	22
70	Structural effects of nanocomposite films of amorphous carbon and metal deposited by pulsed-DC reactive magnetron sputtering. <i>Diamond and Related Materials</i> , 2007, 16, 1828-1834.	3.9	72
71	The crystallization temperature of silicon nanoparticles. <i>Nanotechnology</i> , 2007, 18, 175705.	2.6	15
72	Carbon nanotubes grown by asymmetric bipolar pulsed-DC PECVD. <i>Diamond and Related Materials</i> , 2007, 16, 1131-1135.	3.9	26

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73	Diamond like carbon films deposited from graphite target by asymmetric bipolar pulsed-DC magnetron sputtering. <i>Diamond and Related Materials</i> , 2007, 16, 1286-1290.	3.9	28
74	Polysiloxane Softener Coatings on Plasma-Treated Wool: Study of the Surface Interactions. <i>Macromolecular Materials and Engineering</i> , 2007, 292, 817-824.	3.6	18
75	In-situ monitoring of laser annealing by micro-Raman spectroscopy for hydrogenated silicon nanoparticles produced in radio frequency glow discharge. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1296-1300.	1.8	4
76	Kinetic study of the oxide-assisted catalyst-free synthesis of silicon nitride nanowires. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 1307-1312.	1.8	13
77	Calorimetry of dehydrogenation and dangling-bond recombination in several hydrogenated amorphous silicon materials. <i>Physical Review B</i> , 2006, 73, .	3.2	21
78	Composition and morphology of metal-containing diamond-like carbon films obtained by reactive magnetron sputtering. <i>Thin Solid Films</i> , 2005, 482, 293-298.	1.8	27
79	Kinetic model for generation and growth of plasma dust nanoparticles. <i>Chemical Physics Letters</i> , 2005, 414, 423-428.	2.6	9
80	Kinetic model of thin film growth by vapor deposition. <i>European Physical Journal D</i> , 2005, 35, 505-511.	1.3	7
81	Time-resolved electrical measurements of a pulsed-dc methane discharge used in diamond-like carbon films production. <i>Thin Solid Films</i> , 2005, 482, 172-176.	1.8	24
82	Kinetic Model for Production and Growth of Dust Nanoparticles in Low Pressure Plasmas of RF Discharges. <i>AIP Conference Proceedings</i> , 2005, , .	0.4	1
83	Anomalous crystallization of hydrogenated amorphous silicon during fast heating ramps. <i>Journal of Materials Research</i> , 2005, 20, 277-281.	2.6	3
84	Influence of the dipolar interactions in the magnetization reversal asymmetry of hardâ€soft magnetic ribbons. <i>Journal of Applied Physics</i> , 2005, 97, 023903.	2.5	13
85	Spontaneous formation of nanometric multilayers of metal-carbon films by up-hill diffusion during growth. <i>Applied Physics Letters</i> , 2005, 87, 213117.	3.3	28
86	Si ₃ N ₄ single-crystal nanowires grown from silicon micro- and nanoparticles near the threshold of passive oxidation. <i>Applied Physics Letters</i> , 2005, 87, 192114.	3.3	36
87	Thermally Induced Structural Transformations on Polymorphous Silicon. <i>Journal of Materials Research</i> , 2005, 20, 2562-2567.	2.6	5
88	Characterization of diamond-like carbon thin films produced by pulsed-DC low pressure plasma monitored by a Langmuir probe in time-resolved mode. <i>Diamond and Related Materials</i> , 2005, 14, 1062-1066.	3.9	16
89	Characteristics of Carbon and Carbonâ€Nitride Nanostructures Produced by Plasma Deposition from Ammonia and Methane or Acetylene. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2005, 13, 447-455.	2.1	5
90	Structure of diamond-like carbon films containing transition metals deposited by reactive magnetron sputtering. <i>Diamond and Related Materials</i> , 2005, 14, 1103-1107.	3.9	63

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91	Physical Properties of Sputtered ITO and WO ₃ Thin Films. Materials Science Forum, 2004, 455-456, 7-11.	0.3	2
92	Influence of the film structure on the properties of electrochromic CeO ₂ thin films deposited by e-beam PVD. Thin Solid Films, 2004, 447-448, 119-124.	1.8	11
93	FTIR phase-modulated ellipsometry characterization of hydrogenated amorphous silicon nitride thin films with embedded nanoparticles. Thin Solid Films, 2004, 455-456, 167-171.	1.8	3
94	Visible and infrared ellipsometry applied to the study of metal-containing diamond-like carbon coatings. Thin Solid Films, 2004, 455-456, 370-375.	1.8	7
95	Preparation of metal (W, Mo, Nb, Ti) containing a-C:H films by reactive magnetron sputtering. Surface and Coatings Technology, 2004, 177-178, 409-414.	4.8	67
96	Wettability, ageing and recovery process of plasma-treated polyamide 6. Journal of Adhesion Science and Technology, 2004, 18, 1077-1089.	2.6	107
97	Characterization of DLC films obtained at room temperature by pulsed-dc PECVD. Diamond and Related Materials, 2004, 13, 1494-1499.	3.9	50
98	Study of the oxidization of ns-SiNx:H thin films using FTIR phase modulated ellipsometry. , 2004, , .		1
99	Degradation of a solid state electrochromic device. Solid State Ionics, 2003, 165, 73-80.	2.7	9
100	Influence of the porosity of RF sputtered Ta ₂ O ₅ thin films on their optical properties for electrochromic applications. Solid State Ionics, 2003, 165, 15-22.	2.7	61
101	RF sputtering deposition of Ag/ITO coatings at room temperature. Solid State Ionics, 2003, 165, 139-148.	2.7	69
102	Electrochromic coatings for smart windows. Surface Science, 2003, 532-535, 1127-1131.	1.9	32
103	Surface characterization of keratin fibres treated by water vapour plasma. Surface and Interface Analysis, 2003, 35, 128-135.	1.8	74
104	Comparative study of metal/amorphous-carbon multilayer structures produced by magnetron sputtering. Diamond and Related Materials, 2003, 12, 1008-1012.	3.9	21
105	Growth of hydrogenated amorphous carbon films in pulsed d.c. methane discharges. Diamond and Related Materials, 2003, 12, 98-104.	3.9	49
106	Si-N nanowire formation from Silicon nano and microparticles.. Materials Research Society Symposia Proceedings, 2003, 789, 18.	0.1	1
107	Free Radical Formation in Wool Fibers Treated by Low Temperature Plasma. Textile Reseach Journal, 2003, 73, 955-959.	2.2	18
108	Electrochromic tungsten oxide multilayer thin films for use in smart windows. , 2003, 4829, 817.		1

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109	Atomic structure of the nanocrystalline Si particles appearing in nanostructured Si thin films produced in low-temperature radiofrequency plasmas. <i>Journal of Applied Physics</i> , 2002, 92, 4684-4694.	2.5	74
110	Calorimetry of hydrogen desorption from a-Si nanoparticles. <i>Physical Review B</i> , 2002, 65, .	3.2	15
111	Effects of gas pressure and r.f. power on the growth and properties of magnetron sputter deposited amorphous carbon thin films. <i>Diamond and Related Materials</i> , 2002, 11, 1005-1009.	3.9	37
112	Shrink-resistance and wetting properties of keratin fibres treated by glow discharge. <i>Journal of Adhesion Science and Technology</i> , 2002, 16, 1469-1485.	2.6	54
113	Properties of W/a-C nanometric multilayers produced by RF-pulsed magnetron sputtering. <i>Diamond and Related Materials</i> , 2002, 11, 1000-1004.	3.9	7
114	Hard coatings for mechanical applications. <i>Vacuum</i> , 2002, 64, 181-190.	3.5	16
115	Mechanical properties of nanometric structures of Si/SiC, C/SiC and C/SiN produced by PECVD. <i>Diamond and Related Materials</i> , 2001, 10, 1115-1120.	3.9	16
116	Carbon nitride thin-films deposited from coupled r.f.-magnetron sputtering and ion beam-assisted processes. <i>Diamond and Related Materials</i> , 2001, 10, 1175-1178.	3.9	9
117	Electrochromic behaviour of nickel oxide thin films deposited by thermal evaporation. <i>Thin Solid Films</i> , 2001, 398-399, 41-44.	1.8	63
118	Application of FTIR phase-modulated ellipsometry to the characterisation of thin films on surface-enhanced IR absorption active substrates. <i>Thin Solid Films</i> , 2001, 398-399, 99-103.	1.8	5
119	Thermal oxidation of polymer-like amorphous Si _x C _y H _w O _z nanoparticles. <i>Diamond and Related Materials</i> , 2001, 10, 1295-1299.	3.9	5
120	Microstructural and mechanical properties of nanometric-multilayered a-CN/a-C/a-C/a-CN coatings deposited by rf-magnetron sputtering and nitrogen ion-beam bombardment. <i>Diamond and Related Materials</i> , 2001, 10, 952-955.	3.9	4
121	Polymorphous Si thin films from radio frequency plasmas of SiH ₄ diluted in Ar: A study by transmission electron microscopy and Raman spectroscopy. <i>Journal of Applied Physics</i> , 2001, 90, 4272-4280.	2.5	17
122	Enhancement of oxidation rate of a-Si nanoparticles during dehydrogenation. <i>Applied Physics Letters</i> , 2001, 79, 3705-3707.	3.3	17
123	Thermal Stabilization and Crystallization of Nanometric Particles of Si-C-N Produced by RF-Plasma Enhanced Chemical-Vapor-Deposition. <i>Materials Research Society Symposia Proceedings</i> , 2000, 609, 2451.	0.1	1
124	Thermal Oxidation of Si Nanoparticles Grown by Plasma-Enhanced CVD. <i>Materials Research Society Symposia Proceedings</i> , 2000, 609, 5111.	0.1	0
125	Surface analysis of nanostructured ceramic coatings containing silicon carbide nanoparticles produced by plasma modulation chemical vapour deposition. <i>Thin Solid Films</i> , 2000, 377-378, 495-500.	1.8	13
126	Optical properties of Li ⁺ doped electrochromic WO ₃ thin films. <i>Thin Solid Films</i> , 2000, 377-378, 8-13.	1.8	28

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127	Efficiency of Li doping on electrochromic WO ₃ thin films. <i>Thin Solid Films</i> , 2000, 377-378, 129-133.	1.8	31
128	Step-by-step simulations of diamond nucleation and growth on a silicon (001) surface. <i>Diamond and Related Materials</i> , 2000, 9, 146-155.	3.9	1
129	Optimized calibration method for Fourier transform infrared phase-modulated ellipsometry. <i>Thin Solid Films</i> , 1999, 354, 187-194.	1.8	10
130	Nanometric powder of stoichiometric silicon carbide produced in square-wave modulated RF glow discharges. <i>Vacuum</i> , 1999, 52, 183-186.	3.5	14
131	Synthesis of nanosize SiC powder in low pressure plasmas. <i>Vacuum</i> , 1999, 52, 153-156.	3.5	5
132	Accurate electrical measurements for in situ diagnosis of RF discharges in plasma CVD processes. <i>Vacuum</i> , 1999, 53, 1-5.	3.5	13
133	Nanoparticles of SiC from low temperature RF plasmas: selective size, composition and structure. <i>Applied Surface Science</i> , 1999, 144-145, 702-707.	6.1	12
134	Deep profiles of lithium in electrolytic structures of ITO/WO ₃ for electrochromic applications. <i>Thin Solid Films</i> , 1999, 343-344, 179-182.	1.8	15
135	Optical and electrical characterisation of Ta ₂ O ₅ thin films for ionic conduction applications. <i>Thin Solid Films</i> , 1999, 343-344, 449-452.	1.8	25
136	Study of the Optical and Structural Properties of Silicon-Carbon Nanometric Powder Using Infrared Phase Modulated Ellipsometry and Electron Microscopy. <i>Physica Status Solidi A</i> , 1999, 175, 373-381.	1.7	2
137	High nucleation rate in pure SiC nanometric powder by a combination of room temperature plasmas and post-thermal treatments. <i>Diamond and Related Materials</i> , 1999, 8, 364-368.	3.9	6
138	Blackbody emission under laser excitation of silicon nanopowder produced by plasma-enhanced chemical-vapor deposition. <i>Journal of Applied Physics</i> , 1998, 83, 7879-7885.	2.5	45
139	Effect of the Nanoparticles on the Structure and Crystallization of Amorphous Silicon Thin Films Produced by rf Glow Discharge. <i>Journal of Materials Research</i> , 1998, 13, 2476-2479.	2.6	30
140	Black-body emission from nanostructured materials. <i>Journal of Luminescence</i> , 1998, 80, 519-522.	3.1	21
141	Spectroscopic ellipsometric characterization of transparent thin film amorphous electronic materials: integrated analysis. <i>Thin Solid Films</i> , 1998, 313-314, 379-383.	1.8	15
142	Application of infrared Fourier transform phase-modulated ellipsometry to the characterization of silicon-based amorphous thin films. <i>Thin Solid Films</i> , 1998, 313-314, 671-675.	1.8	2
143	Infrared and UV-visible ellipsometric study of WO ₃ electrochromic thin films. <i>Thin Solid Films</i> , 1998, 313-314, 682-686.	1.8	13
144	Optical emission spectroscopy of rf glow discharges of methane-silane mixtures. <i>Thin Solid Films</i> , 1998, 317, 120-123.	1.8	11

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145	Molecular mechanics simulation of the diamond nucleation and growth on silicon (001) and (111) surfaces. <i>Thin Solid Films</i> , 1998, 317, 6-9.	1.8	10
146	Nanopowder of silicon nitride produced in radio frequency modulated glow discharges from SiH ₄ and NH ₃ . <i>Surface and Coatings Technology</i> , 1998, 100-101, 55-58.	4.8	12
147	Nanoparticle formation in low-pressure silane plasmas: bridging the gap between a-Si:H and 1/4c-Si films. <i>Journal of Non-Crystalline Solids</i> , 1998, 227-230, 871-875.	3.1	84
148	Si _{1-x} C _x N nanometric powder produced in square-wave modulated RF glow discharges. <i>Diamond and Related Materials</i> , 1998, 7, 407-411.	3.9	12
149	Size dependence of energy gaps in small carbon clusters: the origin of broadband luminescence. <i>Diamond and Related Materials</i> , 1998, 7, 1663-1668.	3.9	69
150	Plasma-enhanced chemical vapor deposition of boron nitride thin films from B ₂ H ₆ -H ₂ -NH ₃ and B ₂ H ₆ -N ₂ gas mixtures. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1998, 16, 578-586.	2.1	28
151	Deposition of Nanostructured Silicon Thin Films by Means of the Selective Contribution of Particles in Pecvd. <i>Materials Research Society Symposia Proceedings</i> , 1998, 507, 499.	0.1	16
152	Structural Characterization and Crystallization Process of Nanostructured Silicon Thin Films Produced in Low-Pressure Silane Plasma. <i>Materials Research Society Symposia Proceedings</i> , 1998, 507, 933.	0.1	10
153	Thermal Desorption of Hydrogen in Si and SiC Nanoparticles Produced by Plasma-Enhanced Chemical-Vapor Deposition. <i>Materials Research Society Symposia Proceedings</i> , 1998, 513, 427.	0.1	3
154	In situ fast ellipsometric analysis of repetitive surface phenomena. <i>Review of Scientific Instruments</i> , 1997, 68, 3135-3139.	1.3	4
155	Gas collisions and pressure quenching of the photoluminescence of silicon nanopowder grown by plasma-enhanced chemical vapor deposition. <i>Journal of Applied Physics</i> , 1997, 81, 3290-3293.	2.5	3
156	Calorimetric Study of the Thermal Induced Transformations of Ultrafine Silicon Carbide Powder Produced by RF Glow Discharge. <i>Key Engineering Materials</i> , 1997, 132-136, 145-148.	0.4	1
157	Nanostructured Silicon thin films Deposited by PECVD in the Presence of Silicon Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , 1997, 467, 313.	0.1	12
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