Gerardo Morell

List of Publications by Year
in descending order

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173 papers	3,313 citations	147801 31 h-index	223800 46 g-index
175 all docs	175 docs citations	175 times ranked	4884 citing authors

#	Article	IF	Citations
1	Luminescent graphene quantum dots fabricated by pulsed laser synthesis. Carbon, 2013, 64, 341-350.	10.3	134
2	Synergistic antibacterial activity of PEGylated silverâ€“graphene quantum dots nanocomposites. Applied Materials Today, 2015, 1, 80-87.	4.3	126
3	Room temperature gas sensor based on tin dioxide-carbon nanotubes composite films. Sensors and Actuators B: Chemical, 2014, 190, 227-233.	7.8	113
4	L-cysteine capped ZnS:Mn quantum dots for room-temperature detection of dopamine with high sensitivity and selectivity. Biosensors and Bioelectronics, 2017, 87, 693-700.	10.1	112
5	Advance in Novel Boron Nitride Nanosheets to Nanoelectronic Device Applications. ACS Applied Materials & Interfaces, 2013, 5, 5051-5056.	8.0	101
6	Single-Crystal Î³-MnS Nanowires Conformally Coated with Carbon. ACS Applied Materials & Interfaces, 2014, 6, 1180-1186.	8.0	68
7	Crystalline phases at the pâ€•to nâ€type transition in Cuâ€ternary semiconducting films. Applied Physics Letters, 1996, 69, 987-989.	3.3	67
8	Raman study of the network disorder in sputtered and glow dischargeaâ€Si:H films. Journal of Applied Physics, 1995, 78, 5120-5125.	2.5	59
9	Growth and field emission study of a monolithic carbon nanotube/diamond composite. Carbon, 2010, 48, 3353-3358.	10.3	50
10	Bactericide and bacterial anti-adhesive properties of the nanocrystalline diamond surface. Diamond and Related Materials, 2012, 22, 77-81.	3.9	50
11	Enhanced MRI T 2 Relaxivity in Contrast-Probed Anchor-Free PEGylated Iron Oxide Nanoparticles. Nanoscale Research Letters, 2017, 12, 312.	5.7	49
12	Photovoltaic properties of Aurivillius phase Bi₅FeTi₃O₁₅thin films grown by pulsed laser deposition. Applied Physics Letters, 2014, 105, 072908.	3.3	46
13	Free standing graphene-diamond hybrid films and their electron emission properties. Journal of Applied Physics, 2011, 110, .	2.5	45
14	Highly-crystalline Î³-MnS nanosaws. RSC Advances, 2014, 4, 38103-38110.	3.6	40
15	Improving cytotoxicity against cancer cells by chemo-photodynamic combined modalities using silver-graphene quantum dots nanocomposites. International Journal of Nanomedicine, 2016, 11, 107.	6.7	40
16	Anharmonic interactions in beryllium oxide. Physical Review B, 1996, 53, 5388-5395.	3.2	39
17	Switchable photovoltaic effect in bilayer graphene/BiFeO3/Pt heterostructures. Applied Physics Letters, 2014, 105, .	3.3	39
18	Solar-blind field-emission diamond ultraviolet detector. Applied Physics Letters, 2015, 107, .	3.3	38

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19	Grain size-dependent thermal conductivity of polycrystalline twisted bilayer graphene. Carbon, 2017, 117, 367-375.	10.3	38
20	Synthesis, structure, and field emission properties of sulfur-doped nanocrystalline diamond. Journal of Materials Science: Materials in Electronics, 2006, 17, 443-451.	2.2	37
21	Synthesis of nanostructured SiC using the pulsed laser deposition technique. Materials Research Bulletin, 2009, 44, 184-188.	5.2	37
22	Graphene Oxide/ZnS:Mn Nanocomposite Functionalized with Folic Acid as a Nontoxic and Effective Theranostic Platform for Breast Cancer Treatment. Nanomaterials, 2018, 8, 484.	4.1	37
23	The effect of hydrogen on the network disorder in hydrogenated amorphous silicon. Applied Physics Letters, 1999, 75, 2803-2805.	3.3	36
24	Ex situspectroscopic ellipsometry and Raman spectroscopy investigations of chemical vapor deposited sulfur incorporated nanocrystalline carbon thin films. Journal of Applied Physics, 2002, 92, 5457-5462.	2.5	36
25	Raman scattering study of thermally reduced stabilized cubic zirconia. Journal of Applied Physics, 1997, 81, 2830-2834.	2.5	35
26	Study of the electron field emission and microstructure correlation in nanocrystalline carbon thin films. Journal of Applied Physics, 2001, 89, 5671-5675.	2.5	35
27	Studies of the switchable photovoltaic effect in co-substituted BiFeO3 thin films. Applied Physics Letters, 2014, 105, .	3.3	35
28	Ferroelectric photovoltaic properties in doubly substituted (Bi0.9La0.1)(Fe0.97Ta0.03)O3 thin films. Applied Physics Letters, 2015, 106, .	3.3	35
29	Synthesis and characterization of sulfur-incorporated microcrystalline diamond and nanocrystalline carbon thin films by hot filament chemical vapor deposition. Journal of Materials Research, 2003, 18, 363-381.	2.6	34
30	Stability of the Mn photoluminescence in bifunctional ZnS:0.05Mn nanoparticles. Journal of Applied Physics, 2013, 114, .	2.5	34
31	Biocompatible ZnS:Mn quantum dots for reactive oxygen generation and detection in aqueous media. Journal of Nanoparticle Research, 2015, 17, 461.	1.9	32
32	T₁- and T₂-weighted Magnetic Resonance Dual Contrast by Single Core Truncated Cubic Iron Oxide Nanoparticles with Abrupt Cellular Internalization and Immune Evasion. ACS Applied Bio Materials, 2018, 1, 79-89.	4.6	32
33	Synthesis of diamond at sub 300ÂÂ°C substrate temperature. Diamond and Related Materials, 2007, 16, 1950-1957.	3.9	31
34	Wettability of hydrogenated tetrahedral amorphous carbon. Diamond and Related Materials, 2009, 18, 43-50.	3.9	31
35	Role of sp2 C cluster size on the field emission properties of sulfur-incorporated nanocomposite carbon thin films. Applied Physics Letters, 2002, 80, 1471-1473.	3.3	30
36	Characterization of the silicon network disorder in hydrogenated amorphous silicon carbide alloys with low carbon concentrations. Journal of Non-Crystalline Solids, 1996, 194, 78-84.	3.1	29

#	Article	IF	Citations
37	Spectroscopic ellipsometry studies of nanocrystalline carbon thin films deposited by HFCVD. Diamond and Related Materials, 2001, 10, 1968-1972.	3.9	28
38	Photovoltaic effect in a wide-area semiconductor-ferroelectric device. Applied Physics Letters, 2011, 99, .	3.3	28
39	Bifunctional Fe3O4/ZnS:Mn composite nanoparticles. Materials Letters, 2013, 98, 108-111.	2.6	28
40	Catalytic effect of ultrananocrystalline Fe₃O₄on algal bio-crude productionviaHTL process. Nanoscale, 2015, 7, 17664-17671.	5.6	28
41	Electron field emission properties of gamma irradiated microcrystalline diamond and nanocrystalline carbon thin films. Journal of Applied Physics, 2002, 92, 3311-3317.	2.5	27
42	Physical properties of bifunctional BST/LSMO nanocomposites. Journal of Applied Physics, 2014, 115, .	2.5	27
43	Growth and electron field-emission of single-crystalline ZnO nanowires. Materials Letters, 2013, 93, 326-329.	2.6	26
44	A graphene integrated highly transparent resistive switching memory device. APL Materials, 2018, 6, .	5.1	26
45	Spatial distribution of electron emission sites for sulfur doped and intrinsic nanocrystalline diamond films. Diamond and Related Materials, 2003, 12, 474-480.	3.9	25
46	Enhanced photoresponse in BiFeO3/SrRuO3 heterostructure. Journal of Alloys and Compounds, 2014, 609, 168-172.	5.5	25
47	Unipolar resistive switching in planar Pt/BiFeO3/Pt structure. AIP Advances, 2015, 5, .	1.3	25
48	Study of the Structural Changes Undergone by Hybrid Nanostructured Si-CNTs Employed as an Anode Material in a Rechargeable Lithium-Ion Battery. Journal of Physical Chemistry C, 2015, 119, 21125-21134.	3.1	25
49	Measurement and analysis of diamond Raman bandwidths. Diamond and Related Materials, 1998, 7, 1029-1032.	3.9	24
50	Electron field emission from sulfur-incorporated nanocrystalline carbon thin films. Applied Physics Letters, 2001, 79, 3446-3448.	3.3	24
51	Electron field emission properties of microcrystalline and nanocrystalline carbon thin films deposited by S-assisted hot filament CVD. Diamond and Related Materials, 2002, 11, 799-803.	3.9	24
52	Room-temperature electrical conductivity studies of sulfur-modified microcrystalline diamond thin films. Applied Physics Letters, 2003, 83, 491-493.	3.3	24
53	Graphene/semiconductor silicon modified BiFeO3/indium tin oxide ferroelectric photovoltaic device for transparent self-powered windows. Applied Physics Letters, 2015, 107, .	3.3	24
54	Electron field-emission mechanism in nanostructured carbon films: A quest. Journal of Applied Physics, 2004, 95, 8314-8320.	2.5	23

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55	Formation of boron carbonitride nanotubes from in situ grown carbon nanotubes. Diamond and Related Materials, 2005, 14, 965-969.	3.9	23
56	Diamond film synthesis at low temperature. Diamond and Related Materials, 2006, 15, 109-116.	3.9	23
57	Study of the structural evolutions of crystalline tungsten oxide films prepared using hot-filament CVD. Journal Physics D: Applied Physics, 2007, 40, 5239-5245.	2.8	23
58	Single-step route to hierarchical flower-like carbon nanotube clusters decorated with ultrananocrystalline diamond. Carbon, 2013, 63, 253-262.	10.3	23
59	Large-area bilayer graphene synthesis in the hot filament chemical vapor deposition reactor. Diamond and Related Materials, 2015, 51, 34-38.	3.9	23
60	Thermionic emission energy distribution from nanocrystalline diamond films for direct thermal-electrical energy conversion applications. Journal of Applied Physics, 2009, 106, 043716.	2.5	22
61	Raman spectroscopy of oxygenated amorphous CdTe films. Journal of Raman Spectroscopy, 1994, 25, 203-207.	2.5	21
62	Investigations of the electron field emission properties and microstructure correlation in sulfur-incorporated nanocrystalline carbon thin films. Journal of Applied Physics, 2002, 91, 10088.	2.5	21
63	Temporal field emission current stability and fluctuations from graphene films. Applied Physics Letters, 2010, 97, .	3.3	20
64	Single-step route to diamond-nanotube composite. Nanoscale Research Letters, 2012, 7, 535.	5.7	20
65	Ultrananocrystalline Diamond-Decorated Silicon Nanowire Field Emitters. ACS Applied Materials & Interfaces, 2014, 6, 13815-13822.	8.0	20
66	A Novel Approach to the Layer-Number-Controlled and Grain-Size-Controlled Growth of High Quality Graphene for Nanoelectronics. ACS Applied Nano Materials, 2018, 1, 1502-1512.	5.0	20
67	In situ measurements of methane and acetylene concentrations in a CVD reactor by infrared spectroscopy. Diamond and Related Materials, 1999, 8, 166-170.	3.9	19
68	Characterization of GaAs wire crystals grown on porous silicon by Raman scattering. Journal of Applied Physics, 1997, 82, 6247-6250.	2.5	18
69	Synthesis of nanocrystalline diamond films by DC plasma-assisted argon-rich hot filament chemical vapor deposition. Diamond and Related Materials, 2008, 17, 55-59.	3.9	18
70	Growth of carbon nanotubes on spontaneously detached free standing diamond films and their field emission properties. Diamond and Related Materials, 2012, 30, 42-47.	3.9	18
71	Temperature-dependent Raman scattering studies in ferroelastic LiCsSO4. Journal of Raman Spectroscopy, 1991, 22, 529-534.	2.5	17
72	Microstructural studies of diamond thin films grown by electron cyclotron resonance-assisted chemical vapor deposition. Journal of Applied Physics, 2000, 88, 5695-5702.	2.5	17

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73	Electrical conductivity studies of chemical vapor deposited sulfur-incorporated nanocomposite carbon thin films. Applied Physics Letters, 2002, 81, 283-285.	3.3	17
74	Numerical study of the electrostatic field gradients present in various planar emitter field emission configurations relevant to experimental research. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 645.	1.6	17
75	SiN/bamboo like carbon nanotube composite electrodes for lithium ion rechargeable batteries. Electrochimica Acta, 2010, 55, 2269-2274.	5.2	17
76	Novel magneto-luminescent effect in LSMO/ZnS:Mn nanocomposites at near-room temperature. Nanotechnology, 2016, 27, 085703.	2.6	17
77	Studies of photovoltaic properties of nanocrystalline thin films of CdSâ€“CdTe. Journal of Alloys and Compounds, 2011, 509, 10003-10006.	5.5	16
78	Synthesis, Optical, and Magnetic Properties of Graphene Quantum Dots and Iron Oxide Nanocomposites. Advances in Materials Science and Engineering, 2018, 2018, 1-8.	1.8	16
79	Direct Deposition of Bamboo-Like Carbon Nanotubes on Copper Substrates by Sulfur-Assisted HFCVD. Journal of Nanomaterials, 2008, 2008, 1-7.	2.7	15
80	Synthesis and transport properties of La0.67Sr0.33MnO3 conformally-coated on carbon nanotubes. Carbon, 2013, 65, 252-260.	10.3	15
81	Influence of copper doping on structural, morphological, optical, and vibrational properties of ZnO nanoparticles synthesized by sol gel method. Surfaces and Interfaces, 2020, 21, 100700.	3.0	15
82	Ultraviolet and visible Raman spectroscopic investigations of nanocrystalline carbon thin films grown by bias-assisted hot-filament chemical vapor deposition. Journal of Raman Spectroscopy, 2003, 34, 192-198.	2.5	14
83	Effects of heavy-ion radiation on the electron field emission properties of sulfur-doped nanocomposite carbon films. Diamond and Related Materials, 2004, 13, 221-225.	3.9	14
84	Effects of a nanocomposite carbon buffer layer on the field emission properties of multiwall carbon nanotubes and nanofibers grown by hot filament chemical vapor deposition. Journal of Vacuum Science & Technology B, 2006, 24, 639.	1.3	14
85	Fringe structures and tunable bandgap width of 2D boron nitride nanosheets. Beilstein Journal of Nanotechnology, 2014, 5, 1186-1192.	2.8	14
86	Controlling the transverse proton relaxivity of magnetic graphene oxide. Scientific Reports, 2019, 9, 5633.	3.3	14
87	Semiconductor-homojunction induction in single-crystal GaN nanostructures under a transverse electric field:Ab initiocalculations. Physical Review B, 2010, 81, .	3.2	13
88	Fabrication and field emission study of novel rod-shaped diamond-like carbon nanostructures. Nanotechnology, 2010, 21, 285301.	2.6	13
89	Electronic structure of sulfur-modified nanocrystalline carbon films. Journal of Applied Physics, 2005, 97, 094307.	2.5	12
90	Nanocrystalline silicon as the light emitting material of a field emission display device. Nanotechnology, 2008, 19, 225202.	2.6	12

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91	Silicon Encapsulated Carbon Nanotubes. Nanoscale Research Letters, 2010, 5, 74-80.	5.7	12
92	High-Yield Synthesis of Cubic and Hexagonal Boron Nitride Nanoparticles by Laser Chemical Vapor Decomposition of Borazine. Dataset Papers in Nanotechnology, 2013, 2013, 1-5.	0.0	12
93	Raman spectroscopy of BeO at low temperatures. Journal of Raman Spectroscopy, 1991, 22, 311-314.	2.5	11
94	Ex situ spectroscopic ellipsometry investigation of the layered structure of polycrystalline diamond thin films grown by electron cyclotron resonance-assisted chemical vapor deposition. Journal of Applied Physics, 2001, 90, 1280-1285.	2.5	11
95	Role of H in hot-wire deposited a-Si:H films revisited: optical characterization and modeling. Journal of Non-Crystalline Solids, 2004, 343, 131-142.	3.1	11
96	Study on the optical and electrical properties of tetracyanoethylene doped bilayer graphene stack for transparent conducting electrodes. AIP Advances, 2016, 6, 035319.	1.3	11
97	Films of Bamboo-like Carbon Nanotubes as Electrode Material for Rechargeable Lithium Batteries. Journal of the Electrochemical Society, 2008, 155, A125.	2.9	10
98	Synthesis of diamond nanocrystals on polyimide film. Diamond and Related Materials, 2009, 18, 113-116.	3.9	10
99	Fabrication of Nanodiamond Coating on Steel. Coatings, 2013, 3, 243-252.	2.6	10
100	Carbon nanotubes coated with diamond nanocrystals and silicon carbide by hot-filament chemical vapor deposition below 200 Â°C substrate temperature. Carbon, 2014, 75, 113-123.	10.3	10
101	Spectroscopic study of CaSZ and YSZ thermochemically reduced crystals. Journal of Luminescence, 1997, 72-74, 724-725.	3.1	9
102	Synthesizing Nanocrystalline Carbon Thin Films by Hot Filament Chemical Vapor Deposition and Controlling Their Microstructure. Journal of Materials Research, 2002, 17, 1820-1833.	2.6	9
103	Ex situ spectroscopic ellipsometry investigations of chemical vapor deposited nanocomposite carbon thin films. Thin Solid Films, 2004, 455-456, 422-428.	1.8	9
104	Study of the temporal current stability of field-emitted electrons from ultrananocrystalline diamond films. Journal of Applied Physics, 2008, 103, 104315.	2.5	9
105	Electron emission from diamond films seeded using kitchen-wrap polyethylene. Journal Physics D: Applied Physics, 2011, 44, 085502.	2.8	9
106	Ultraviolet photosensitivity of sulfur-doped micro- and nano-crystalline diamond. Journal of Applied Physics, 2011, 109, .	2.5	9
107	Cold cathode emission studies on topographically modified few layer and single layer MoS2 films. Applied Physics Letters, 2016, 108, 043103.	3.3	9
108	Interference enhanced Raman scattering of hydrogenated amorphous silicon revisited. Journal of Raman Spectroscopy, 2001, 32, 23-25.	2.5	8

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109	Iron Oxide Nanoparticles Employed as Seeds for the Induction of Microcrystalline Diamond Synthesis. Nanoscale Research Letters, 2008, 3, .	5.7	8
110	Study of temporal current stability and fluctuations of field emitted electrons from ZnO nanostructure films. Applied Physics Letters, 2009, 95, 242103.	3.3	8
111	Atomic and Electronic Properties of Realizable Size Single-Crystal GaN Nanotubes by First Principles. Journal of Nanoscience and Nanotechnology, 2011, 11, 7753-7761.	0.9	8
112	Conformal coating of ferroelectric oxides on carbon nanotubes. Europhysics Letters, 2012, 97, 27001.	2.0	8
113	Interplay of hydrogen and deposition temperature in optical properties of hot-wire deposited aâ€Si:H Films:Ex situspectroscopic ellipsometry studies. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2005, 23, 1668-1675.	2.1	7
114	Effects of adsorbates on field emission reproducibility of sulfur-incorporated nanocomposite carbon films. Journal of Vacuum Science & Technology B, 2007, 25, 318.	1.3	7
115	Synthesis of unstrained failure-resistant nanocrystalline diamond films. Thin Solid Films, 2007, 515, 7906-7910.	1.8	7
116	Detection of SH and CS radicals by cavity ringdown spectroscopy in a hot filament chemical vapor deposition environment. Chemical Physics Letters, 2008, 455, 26-31.	2.6	7
117	High-Yield Synthesis of Stoichiometric Boron Nitride Nanostructures. Journal of Nanomaterials, 2009, 2009, 1-6.	2.7	7
118	Spontaneously detaching self-standing diamond films. Diamond and Related Materials, 2012, 21, 99-102.	3.9	7
119	Binder Free SnO₂-CNT Composite as Anode Material for Li-Ion Battery. Journal of Nanotechnology, 2014, 2014, 1-9.	3.4	7
120	Synthesis, Characterization and Fabrication of Graphene/Boron Nitride Nanosheets Heterostructure Tunneling Devices. Nanomaterials, 2019, 9, 925.	4.1	7
121	Study of diamond films grown at low temperatures and pressures by ECR-assisted CVD. Diamond and Related Materials, 1999, 8, 185-188.	3.9	6
122	Structural evolution during chemical vapor deposition of diamond thin films. Journal of Applied Physics, 2000, 88, 5716-5719.	2.5	6
123	Synthesis of polycrystalline diamond at low temperature on temperature sensitive materials of industrial interest. International Journal of Refractory Metals and Hard Materials, 2006, 24, 24-31.	3.8	6
124	Effect of Poling on Photovoltaic Properties in Highly Oriented BiFeO₃ Thin Films. Integrated Ferroelectrics, 2014, 157, 168-173.	0.7	6
125	Synthesis micro-scale boron nitride nanotubes at low substrate temperature. AIP Advances, 2016, 6, 075110.	1.3	6
126	Magnetic Control of the Manganese Photoluminescence in Fe₃O₄/<scp>l</scp>-Cys ZnS:Mn Nanocomposites. ACS Omega, 2021, 6, 7598-7604.	3.5	6

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127	Study of the effects of low-energy electron bombardment during the chemical vapor deposition of diamond. Journal of Materials Research, 2001, 16, 293-295.	2.6	5
128	Oxygen effect on the electrochemical behavior of n-type sulfur-doped diamond. Diamond and Related Materials, 2006, 15, 221-224.	3.9	5
129	Nonlinear effects in collision cascades and high energy shock waves during ta-C:H growth. Journal of Applied Physics, 2007, 102, 013301.	2.5	5
130	Formation of lithium clusters and their effects on conductivity in diamond: A density functional theory study. Diamond and Related Materials, 2007, 16, 840-844.	3.9	5
131	Synthesis of palladium with different nanoscale structures by sputtering deposition onto fiber templates. Journal of Nanophotonics, 2008, 2, 021925.	1.0	5
132	Growth and field emission properties of one-dimensional carbon composite structure consisting of vertically aligned carbon nanotubes and nanocones. Journal Physics D: Applied Physics, 2009, 42, 035409.	2.8	5
133	Field emission stability and properties of simultaneously grown microcrystalline diamond and carbon nanostructure films. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, 1202-1205.	1.2	5
134	Genesis of diamond nanotubes from carbon nanotubes. Europhysics Letters, 2011, 95, 28002.	2.0	5
135	New route to the fabrication of nanocrystalline diamond films. Journal of Applied Physics, 2014, 115, 054304.	2.5	5
136	Field emission properties of carbon nanowalls prepared by RF magnetron sputtering. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	5
137	Inhomogeneity in the Network Order of Device Quality a-Si:H. Materials Research Society Symposia Proceedings, 1993, 297, 321.	0.1	4
138	Influence of sulfur incorporation on field-emission properties of microcrystalline diamond thin films. Journal of Materials Research, 2003, 18, 2708-2716.	2.6	4
139	Probing the structural, crystalline, and electrical properties of carbon nanotubes grown on nickel filled carbon nanofibers. Applied Physics Letters, 2009, 95, 061906.	3.3	4
140	Straightforward Deposition of Uniform Boron Nitride Coatings by Chemical Vapor Deposition. MRS Advances, 2018, 3, 191-197.	0.9	4
141	Cytocompatibility of direct water synthesized cadmium selenide quantum dots in colo-205 cells. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	3
142	BiFeO3 Coupled Polysulfide Trapping in C/S Composite Cathode Material for Li-S Batteries as Large Efficiency and High Rate Performance. Energies, 2021, 14, 8362.	3.1	3
143	Graphene Growth Directly on SiO2/Si by Hot Filament Chemical Vapor Deposition. Nanomaterials, 2022, 12, 109.	4.1	3
144	Title is missing!. Journal of Materials Science, 2000, 35, 6245-6249.	3.7	2

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145	Unipolar Resistive Switching and Associated Photoresponse in Sm doped BiFeO3 Thin Film Grown by RF Sputtering. Materials Research Society Symposia Proceedings, 2013, 1577, m1.	0.1	2
146	Correlation Between Phototransport and Network Order in a-Si:H. Materials Research Society Symposia Proceedings, 1995, 377, 479.	0.1	1
147	In Situ Spectroscopic Ellipsometry Study of the Oxide Etching and Surface Damaging Processes on Silicon Under Hydrogen Plasma. Materials Research Society Symposia Proceedings, 1999, 591, 276.	0.1	1
148	Effects of Seeding Over the Microstructure and Stresses of Diamond Thin Films. Materials Research Society Symposia Proceedings, 1999, 594, 337.	0.1	1
149	In situ phase-modulated ellipsometry study of the surface damaging process of silicon under atomic hydrogen. Solid State Communications, 2000, 116, 217-220.	1.9	1
150	Effects of Sulfur Concentration on the Electron Field Emission Properties of Nanocrystalline Carbon Thin Films. Materials Research Society Symposia Proceedings, 2001, 675, 1.	0.1	1
151	Studies of doped nanocrystalline diamond films grown by parallel bias-enhanced CVD. , 0, , .		1
152	Characterization of annealing effect on the surface, interface and bulk of AlN grown on SiC. International Journal of Refractory Metals and Hard Materials, 2006, 24, 55-60.	3.8	1
153	The 193 nm photodissociation of borazine. Chemical Physics Letters, 2011, 509, 108-113.	2.6	1
154	Observation of the C 2 H radical using (1 + 2) REMPI via theBÌƒ2Aâ€²â†ŽÌƒ2Î£+transition. Chemical Physics, 2016, 479, 91-98.	1.9	1
155	Anisotropic photoluminescence characteristics of Al0.08Ga929292As single quantum well laser structure. Journal of Materials Science, 1996, 31, 4793-4799.	3.7	0
156	Luminescence and Raman scattering of thermally reduced CaSZ crystals. Journal of Luminescence, 1999, 83-84, 481-485.	3.1	0
157	Controlling the Diamond Film Morphology by Low-Energy Electron Bombardment. Materials Research Society Symposia Proceedings, 1999, 585, 283.	0.1	0
158	In Situ Ellipsometry Study of the Diamond Film Evolution Process. Materials Research Society Symposia Proceedings, 1999, 580, 351.	0.1	0
159	Investigation of the Layered Structure of Polycrystalline Diamond Thin Films Grown by ECR-Assisted CVD by Spectroscopic Phase Modulated Ellipsometry. Materials Research Society Symposia Proceedings, 2000, 648, 1.	0.1	0
160	Low-Field Electron Emission Properties from Intrinsic and S-Incorporated Nanocrystalline Carbon Thin Films Grown by Hot- Filament CVD. Materials Research Society Symposia Proceedings, 2000, 638, 1.	0.1	0
161	Optical Characterization and Modeling of Sulfur Incorporated Nanocrystalline Carbon Thin Films Deposited By Hot Filament CVD. Materials Research Society Symposia Proceedings, 2001, 703, 1.	0.1	0
162	Parallel Bias-Enhanced Sulfur-Assisted Chemical Vapor Deposition of Nanocrystalline Diamond Films. Materials Research Society Symposia Proceedings, 2003, 775, 9541.	0.1	0

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163	Formation of boron carbonitride nanotubes from in situ grown carbon nanotubes for space applications. Materials Research Society Symposia Proceedings, 2004, 851, 151.	0.1	0
164	Numerical study of the electrostatic field gradients present in various planar emitter field emission configurations relevant to experimental research. , 0, , .		0
165	TOF MS studies concerning the synthesis of B-N and B-C-N nanaostructured materials by laser ablation. , 2006, 6261, 750.		0
166	Porous silicon for field emission display applications. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3479-3483.	0.8	0
167	Modulation of Electron Transfer Activity at Diamond Films by Dissolved Oxygen in Aqueous Solution. Journal of the Electrochemical Society, 2009, 156, J152.	2.9	0
168	Secondary electron emission from nanocomposite carbon films. Journal of Materials Science: Materials in Electronics, 2009, 20, 996-1000.	2.2	0
169	8.4: A novel nanowire optical frequency rectifying diode: Application as an IR and optical sensor. , 2010, , .		0
170	Study of the Effects of Heavy-Ion Radiation on Nanocomposite Carbon Films. Materials Research Society Symposia Proceedings, 2003, 777, 881.	0.1	0
171	Study of Current Stability and Fluctuations of Field Emitted Electrons from ZnO Nanostructure. , 2008, , .		0
172	Improvement of Specific Capacitance in Lithium Ion Batteries By Mesoporous Carbon Hybrid Nanostructures. ECS Meeting Abstracts, 2017, , .	0.0	0
173	Silicon nanowires as electron field emitters. Series in Materials Science and Engineering, 2017, , 435-454.	0.1	0