

Philippe Bergonzo

List of Publications by Year in descending order

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292
papers

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61857

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docs citations

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times ranked

6309
citing authors

#	ARTICLE	IF	CITATIONS
1	One-Step Fabrication of Nickel-Electrochemically Reduced Graphene Oxide Nanocomposites Modified Electrodes and Application to the Detection of Sunset Yellow in Drinks. Applied Sciences (Switzerland), 2022, 12, 2614.	1.3	9
2	Steady-State Electrocatalytic Activity Evaluation with the Redox Competition Mode of Scanning Electrochemical Microscopy: A Gold Probe and a Boron-Doped Diamond Substrate. ChemElectroChem, 2020, 7, 4633-4640.	1.7	10
3	Diamond detector technology, status and perspectives. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 297-300.	0.7	9
4	Results on radiation tolerance of diamond detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 241-244.	0.7	8
5	Electro-Precipitation of Actinides on Boron-Doped Diamond Thin Films for Solid Sources Preparation for High-Resolution Alpha-Particle Spectrometry. Applied Sciences (Switzerland), 2019, 9, 1473.	1.3	6
6	Evaluation of chronically implanted subdural boron doped diamond/CNT recording electrodes in miniature swine brain. Bioelectrochemistry, 2019, 129, 79-89.	2.4	9
7	Diamond detectors for high energy physics experiments. Journal of Instrumentation, 2018, 13, C01029-C01029.	0.5	42
8	scCVD Diamond Membrane based Microdosimeter for Hadron Therapy. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800383.	0.8	19
9	Front and back side SIMS analysis of boron-doped delta-layer in diamond. Applied Surface Science, 2017, 410, 464-469.	3.1	6
10	Interfacing neurons on carbon nanotubes covered with diamond. RSC Advances, 2017, 7, 153-160.	1.7	18
11	Diamond micro-cantilevers as transducers for olfactory receptors - based biosensors: Application to the receptors M71 and OR7D4. Sensors and Actuators B: Chemical, 2017, 238, 1199-1206.	4.0	14
12	Boron doped diamond/metal nanocatalyst hybrid electrode arrays for analytical applications. , 2017, , .		1
13	Single crystal CVD diamond membranes for betavoltaic cells. Applied Physics Letters, 2016, 108, .	1.5	45
14	Boron Doped Diamond/Metal Nanoparticle Catalysts Hybrid Electrode Array for the Detection of Pesticides in Tap Water. Procedia Engineering, 2016, 168, 428-431.	1.2	13
15	Simultaneous detection of indole and 3-methylindole using boron-doped diamond electrodes. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 2662-2671.	0.8	16
16	Major Urinary Proteins on Nanodiamond-Based Resonators Toward Artificial Olfaction. IEEE Sensors Journal, 2016, 16, 6543-6550.	2.4	15
17	Dielectric charging phenomena in diamond films used in RF MEMS capacitive switches: The effect of film thickness. Microelectronics Reliability, 2016, 64, 660-664.	0.9	2
18	Metal Nanoparticles/BDD Hybrid Electrodes for Analytical Detection of Pollutants in Water. MRS Advances, 2016, 1, 1131-1136.	0.5	2

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19	Fabrication and micromechanical characterization of polycrystalline diamond microcantilevers. <i>Microsystem Technologies</i> , 2016, 22, 609-615.	1.2	6
20	Diamond Particle Detectors for High Energy Physics. <i>Nuclear and Particle Physics Proceedings</i> , 2016, 273-275, 1023-1028.	0.2	9
21	Monitoring the evolution of boron doped porous diamond electrode on flexible retinal implant by OCT and in vivo impedance spectroscopy. <i>Materials Science and Engineering C</i> , 2016, 69, 77-84.	3.8	17
22	A 3D diamond detector for particle tracking. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 824, 402-405.	0.7	9
23	Surface-sensitive diamond photonic crystals for high-performance gas detection. <i>Optics Letters</i> , 2016, 41, 4360.	1.7	15
24	A novel technique for trace actinides spectrometry directly in water samples. , 2015, , .		0
25	Why diamond dimensions and electrode geometry are crucial for small photon beam dosimetry. <i>Journal of Applied Physics</i> , 2015, 118, 234507.	1.1	14
26	Comparing Silicon and Diamond Micro-cantilevers Based Sensors for Detection of Added Mass and Stiffness Changes. <i>Procedia Engineering</i> , 2015, 120, 1115-1119.	1.2	8
27	Characterization of the charge-carrier transport properties of Ila Tech SC diamond for radiation detection applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2553-2558.	0.8	9
28	Biocompatibility of nanostructured boron doped diamond for the attachment and proliferation of human neural stem cells. <i>Journal of Neural Engineering</i> , 2015, 12, 066016.	1.8	38
29	Photoemission properties of nanocrystalline diamond thin films on silicon. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015, 33, .	0.6	4
30	Porous diamond with high electrochemical performance. <i>Carbon</i> , 2015, 90, 102-109.	5.4	71
31	A 3D diamond detector for particle tracking. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 786, 97-104.	0.7	43
32	3D-nanostructured boron-doped diamond for microelectrode array neural interfacing. <i>Biomaterials</i> , 2015, 53, 173-183.	5.7	108
33	Diamond porous membranes: A material toward analytical chemistry. <i>Diamond and Related Materials</i> , 2015, 55, 123-130.	1.8	39
34	Frequency profile measurement system for microcantilever-array based gas sensor. , 2015, , .		1
35	Synthetic 3D diamond-based electrodes for flexible retinal neuroprostheses: Model, production and in vivo biocompatibility. <i>Biomaterials</i> , 2015, 67, 73-83.	5.7	53
36	Nanofocus diamond X-ray windows: Thermal modeling of nano-sized heat source systems. <i>Diamond and Related Materials</i> , 2015, 59, 104-115.	1.8	7

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37	Diamond Biosensors. , 2015, , 227-264.		5
38	Electrical assessment of diamond MIM capacitors and modeling of MEMS capacitive switch discharging. Journal of Micromechanics and Microengineering, 2014, 24, 115017.	1.5	10
39	Diamond delta doped structures exhibiting ultra-sharp interfaces. , 2014, , .		0
40	Fabrication and micromechanical characterization of polycrystalline diamond microcantilevers. , 2014, , .		2
41	Sharp interfaces for diamond delta-doping and SIMS profile modelling. Materials Letters, 2014, 115, 283-286.	1.3	14
42	The many faces of carbon in electrochemistry: general discussion. Faraday Discussions, 2014, 172, 117-137.	1.6	4
43	CVD nanodiamond thin films as high yield photocathodes driven by UV laser pulses. , 2014, , .		0
44	Boron-doped Nanocrystalline Diamond Microelectrode Arrays Monitor Cardiac Action Potentials. Advanced Healthcare Materials, 2014, 3, 283-289.	3.9	45
45	Peptide nucleic acid-nanodiamonds: covalent and stable conjugates for DNA targeting. RSC Advances, 2014, 4, 3566-3572.	1.7	42
46	Optimization of Actinides Trace Precipitation on Diamond/Si PIN Sensor for Alpha-Spectrometry in Aqueous Solution. IEEE Transactions on Nuclear Science, 2014, 61, 2082-2089.	1.2	17
47	Carboxylated nanodiamonds are neither cytotoxic nor genotoxic on liver, kidney, intestine and lung human cell lines. Nanotoxicology, 2014, 8, 46-56.	1.6	116
48	Boron doped diamond biotechnology: from sensors to neurointerfaces. Faraday Discussions, 2014, 172, 47-59.	1.6	36
49	Boosting the electrochemical properties of diamond electrodes using carbon nanotube scaffolds. Carbon, 2014, 71, 27-33.	5.4	67
50	Tritium labeling of detonation nanodiamonds. Chemical Communications, 2014, 50, 2916-2918.	2.2	29
51	Grafting odorant binding proteins on diamond bio-MEMS. Biosensors and Bioelectronics, 2014, 60, 311-317.	5.3	47
52	Diamond electrodes for trace alpha pollutant sequestration via covalent grafting of nitrilotriacetic acid (NTA) ligand. Electrochimica Acta, 2014, 136, 430-434.	2.6	7
53	High frequency-low loss SAW resonators built on NanoCrystalline Diamond-based substrate. , 2014, , .		0
54	Surface Treatment of Diamond Films Grown on Glass by Different Microwave Plasma Systems. Advanced Science, Engineering and Medicine, 2014, 6, 802-808.	0.3	5

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55	Distinctive Glial and Neuronal Interfacing on Nanocrystalline Diamond. PLoS ONE, 2014, 9, e92562.	1.1	37
56	Surface transfer doping can mediate both colloidal stability and self-assembly of nanodiamonds. Nanoscale, 2013, 5, 8958.	2.8	65
57	Diamond dosimeter for small beam stereotactic radiotherapy. Diamond and Related Materials, 2013, 33, 63-70.	1.8	14
58	Fabrication of a 3GHz oscillator based on Nano-Carbon-Diamond-film-based guided wave resonators. Microelectronic Engineering, 2013, 112, 133-138.	1.1	1
59	Optical Analysis of p-type Surface Conductivity in Diamond with Slotted Photonic Crystals. Advanced Optical Materials, 2013, 1, 963-970.	3.6	10
60	Super-thin single crystal diamond membrane radiation detectors. Applied Physics Letters, 2013, 103, .	1.5	44
61	Diamond-coated ATR prism for infrared absorption spectroscopy of surface-modified diamond nanoparticles. Applied Surface Science, 2013, 270, 411-417.	3.1	17
62	Encapsulated nanodiamonds in smart microgels toward self-assembled diamond nanoarrays. Diamond and Related Materials, 2013, 33, 32-37.	1.8	8
63	Design of an electrochemically assisted radiation sensor for α -spectrometry of actinides traces in water. Applied Radiation and Isotopes, 2013, 80, 32-41.	0.7	13
64	Heteroepitaxial diamond on iridium: New insights on domain formation. Diamond and Related Materials, 2013, 36, 16-25.	1.8	26
65	A new single crystal diamond dosimeter for small beam: comparison with different commercial active detectors. Physics in Medicine and Biology, 2013, 58, 7647-7660.	1.6	47
66	Optimization of the efficiency of diamond based α -sensors for spectrometry in aqueous solutions. , 2013, , .		1
67	Electrical characterization of undoped diamond films for RF MEMS application. , 2013, , .		5
68	Boron Doped Diamond Electrodes for Direct Measurement in Biological Fluids: An In Situ Regeneration Approach. Journal of the Electrochemical Society, 2013, 160, H67-H73.	1.3	26
69	Soft 3D retinal implants with diamond electrode a way for focal stimulation. , 2013, , .		3
70	Diamond for actinide traces detection and spectrometry in liquids. , 2013, , .		0
71	Nanograss Boron Doped Diamond microelectrode arrays for recording and stimulating neuronal tissues. , 2013, , .		1
72	Laser-processed three dimensional graphitic electrodes for diamond radiation detectors. Applied Physics Letters, 2013, 103, .	1.5	50

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73	Nanodiamond as a multimodal platform for drug delivery and radiosensitization of tumor cells. , 2013, , .		1
74	Patterned neuronal networks using nanodiamonds and the effect of varying nanodiamond properties on neuronal adhesion and outgrowth. Journal of Neural Engineering, 2013, 10, 056022.	1.8	49
75	Multichannel Boron Doped Nanocrystalline Diamond Ultramicroelectrode Arrays: Design, Fabrication and Characterization. Sensors, 2012, 12, 7669-7681.	2.1	43
76	Nanocrystalline diamond photonics platform with high quality factor photonic crystal cavities. Applied Physics Letters, 2012, 101, .	1.5	38
77	Quasi-Real Time Quantification of Uric Acid in Urine Using Boron Doped Diamond Microelectrode with <i>in Situ</i> Cleaning. Analytical Chemistry, 2012, 84, 10207-10213.	3.2	45
78	Electrostatic grafting of diamond nanoparticles towards 3D diamond nanostructures. Diamond and Related Materials, 2012, 23, 83-87.	1.8	25
79	A passive pressure sensor for continuously measuring the intraocular pressure in glaucomatous patients. Irbm, 2012, 33, 117-122.	3.7	14
80	Oxygen hole doping of nanodiamond. Nanoscale, 2012, 4, 6792.	2.8	61
81	Boron incorporation issues in diamond when TMB is used as precursor: Toward extreme doping levels. Diamond and Related Materials, 2012, 22, 136-141.	1.8	27
82	Ultra-sharp boron interfaces for delta doped diamond structures. Physica Status Solidi - Rapid Research Letters, 2012, 6, 59-61.	1.2	12
83	Surface properties of hydrogenated nanodiamonds: a chemical investigation. Physical Chemistry Chemical Physics, 2011, 13, 11517.	1.3	116
84	Electrochemical behaviour of (111) B-Doped Polycrystalline Diamond: Morphology/surface conductivity/activity assessed by EIS and CS-AFM. Diamond and Related Materials, 2011, 20, 1-10.	1.8	13
85	Enhanced thermal performances of silicon-on-diamond wafers incorporating ultrathin nanocrystalline diamond and silicon layers: Raman and micro-Raman analysis. Journal of Applied Physics, 2011, 110, 084901.	1.1	7
86	Early stages of surface graphitization on nanodiamond probed by x-ray photoelectron spectroscopy. Physical Review B, 2011, 84, .	1.1	116
87	High Sensitivity of Diamond Resonant Microcantilevers for Direct Detection in Liquids As Probed by Molecular Electrostatic Surface Interactions. Langmuir, 2011, 27, 12226-12234.	1.6	16
88	Hydrogen-induced passivation of boron acceptors in monocrystalline and polycrystalline diamond. Physical Chemistry Chemical Physics, 2011, 13, 11511.	1.3	16
89	Boron-deuterium complexes in diamond: How inhomogeneity leads to incorrect carrier type identification. Journal of Applied Physics, 2011, 110, 033718.	1.1	9
90	Realisation and characterisation of mass-based diamond micro-transducers working in dynamic mode. Sensors and Actuators B: Chemical, 2011, 154, 142-149.	4.0	14

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91	3D shaped mechanically flexible diamond microelectrode arrays for eye implant applications: The MEDINAS project. <i>Irbm</i> , 2011, 32, 91-94.	3.7	53
92	New sensitive coating based on modified diamond nanoparticles for chemical SAW sensors. <i>Sensors and Actuators B: Chemical</i> , 2011, 154, 238-244.	4.0	39
93	Boron acceptor concentration in diamond from excitonic recombination intensities. <i>Physical Review B</i> , 2011, 83, .	1.1	44
94	Three-dimensional electrode arrays for retinal prostheses: modeling, geometry optimization and experimental validation. <i>Journal of Neural Engineering</i> , 2011, 8, 046020.	1.8	49
95	Surface-induced charge state conversion of nitrogen-vacancy defects in nanodiamonds. <i>Physical Review B</i> , 2010, 82, .	1.1	233
96	Efficient production of NV colour centres in nanodiamonds using high-energy electron irradiation. <i>Journal of Luminescence</i> , 2010, 130, 1655-1658.	1.5	46
97	Metalloporphyrin-functionalised diamond nano-particles as sensitive layer for nitroaromatic vapours detection at room-temperature. <i>Sensors and Actuators B: Chemical</i> , 2010, 151, 191-197.	4.0	37
98	Fabrication of Silicon on Diamond (SOD) substrates by either the Bonded and Etched-back SOI (BESOI) or the Smart-Cut [®] technology. <i>Solid-State Electronics</i> , 2010, 54, 158-163.	0.8	20
99	Measurement of DNA denaturation on B ¹¹ CND coated diamond microcantilevers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 2078-2083.	0.8	7
100	Deuterium-induced passivation of boron acceptors in polycrystalline diamond. <i>Journal of Applied Physics</i> , 2010, 108, 123701.	1.1	4
101	Fabrication of a 3 GHz oscillator based on nano-carbon-diamond-film-based guided wave resonators. , 2010, , .		0
102	Strong Coupling of a Spin Ensemble to a Superconducting Resonator. <i>Physical Review Letters</i> , 2010, 105, 140502.	2.9	541
103	Growth optimization of columnar nanostructured diamond films with high electrical performances for SOD applications. <i>AIP Conference Proceedings</i> , 2010, , .	0.3	4
104	Extreme insulating ultrathin diamond films for SOD applications: From coalescence modelling to synthesis. <i>Diamond and Related Materials</i> , 2010, 19, 413-417.	1.8	15
105	Hydrogenation of nanodiamonds using MPCVD: A new route toward organic functionalization. <i>Diamond and Related Materials</i> , 2010, 19, 1117-1123.	1.8	98
106	Single crystal CVD diamond detector for high resolution dose measurement for IMRT and novel radiation therapy needs. <i>Diamond and Related Materials</i> , 2010, 19, 1012-1016.	1.8	22
107	Deep hole traps in boron-doped diamond. <i>Physical Review B</i> , 2010, 81, .	1.1	23
108	Silicon-On-Diamond layer integration by wafer bonding technology. <i>Diamond and Related Materials</i> , 2010, 19, 796-805.	1.8	27

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109	Thermal stability and surface modifications of detonation diamond nanoparticles studied with X-ray photoelectron spectroscopy. <i>Diamond and Related Materials</i> , 2010, 19, 846-853.	1.8	32
110	Continuous Intra Ocular Pressure Measurement Sensor for Glaucoma Diagnostic. <i>IFMBE Proceedings</i> , 2010, , 1282-1285.	0.2	2
111	Local Bio-Sensitization of Nanocrystalline Boron Doped Diamond Surfaces with Biotin Using Electrospotting. <i>Sensor Letters</i> , 2009, 7, 872-879.	0.4	4
112	Monitoring fast neutron sources for accelerator driven subcritical reactor experiments. , 2009, , .		1
113	Enhanced control of diamond nanoparticle seeding using a polymer matrix. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	59
114	Single crystal chemical vapor deposited diamond detectors for intensity-modulated radiation therapy applications. <i>Journal of Applied Physics</i> , 2009, 106, 084509.	1.1	4
115	Study and Optimization of Silicon-CVD Diamond Interface for SOD Applications. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1203, 1.	0.1	0
116	Electrically active defects in boron doped diamond homoepitaxial layers studied from deep level transient spectroscopies and other techniques. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2016-2021.	0.8	8
117	Position-sensitive radiation detectors made of single crystal CVD diamond. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2109-2114.	0.8	8
118	High surface smoothening of diamond HPHT (100) substrates. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 1955-1959.	0.8	7
119	High reactivity and stability of diamond electrodes: The influence of the B-doping concentration. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2063-2069.	0.8	27
120	Electrochemical diamond sensors for TNT detection in water. <i>Electrochimica Acta</i> , 2009, 54, 5688-5693.	2.6	53
121	Realization and characterization of diamond micro-transducers for bio-chemical sensing. <i>Procedia Chemistry</i> , 2009, 1, 754-757.	0.7	1
122	Modified diamond nanoparticles as sensitive coatings for chemical SAW sensors. <i>Procedia Chemistry</i> , 2009, 1, 943-946.	0.7	9
123	Resistivity of boron doped diamond. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009, 3, 202-204.	1.2	36
124	Ultra-thin nanocrystalline diamond films (<100 nm) with high electrical resistivity. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009, 3, 205-207.	1.2	10
125	Fabrication of GHz range oscillators stabilized by nano-carbon-diamond-based surface acoustic wave resonators. , 2009, , .		1
126	Selective nucleation in silicon moulds for diamond MEMS fabrication. <i>Journal of Micromechanics and Microengineering</i> , 2009, 19, 074015.	1.5	28

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127	First demonstration of heat dissipation improvement in CMOS technology using Silicon-On-Diamond (SOD) substrates. , 2009, , .		7
128	Diamond detectors for alpha monitoring in corrosive media for nuclear waste activity monitoring. , 2009, , .		3
129	Electrostatic Grafting of Diamond Nanoparticles: A Versatile Route to Nanocrystalline Diamond Thin Films. ACS Applied Materials & Interfaces, 2009, 1, 2738-2746.	4.0	96
130	Real time investigation of diamond nucleation by laser scattering. Diamond and Related Materials, 2009, 18, 707-712.	1.8	14
131	Evidence of deuterium re-trapping by boron after electron beam dissociation of B ⁺ D pairs in diamond. Diamond and Related Materials, 2009, 18, 839-842.	1.8	5
132	Study of the passivation mechanisms of boron doped diamond using the Amplitude Modulated Step Scan Fourier Transform Photocurrent Spectroscopy. Diamond and Related Materials, 2009, 18, 827-830.	1.8	2
133	Substrate influence on MPCVD boron-doped homoepitaxial diamond. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2169-2172.	0.8	6
134	Surface characterisation of silicon substrates seeded with diamond nanoparticles under UHV annealing. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2108-2113.	0.8	16
135	Improved adhesion, growth and maturation of human bone-derived cells on nanocrystalline diamond films. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2146-2153.	0.8	38
136	Synthesis and characterisation of NCD films on 10 Å– 10 mm ² and deposition on 2 inch wafer using rotating substrate holder set up. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2121-2125.	0.8	10
137	Transparent diamond-on-glass micro-electrode arrays for ex vivo neuronal study. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 2126-2129.	0.8	31
138	Surface Science Contribution to the BEN Control on Si(100) and 3C-SiC(100): Towards Ultrathin Nanocrystalline Diamond Films. Chemical Vapor Deposition, 2008, 14, 187-195.	1.4	17
139	Clinical studies of optimised single crystal and polycrystalline diamonds for radiotherapy dosimetry. Radiation Measurements, 2008, 43, 933-938.	0.7	28
140	Charge transport in high mobility single crystal diamond. Diamond and Related Materials, 2008, 17, 1235-1240.	1.8	100
141	Diamond nanoseeding on silicon: Stability under H ₂ MPCVD exposures and early stages of growth. Diamond and Related Materials, 2008, 17, 1143-1149.	1.8	53
142	Electronic properties of homoepitaxial (111) highly boron-doped diamond films. Journal of Applied Physics, 2008, 103, .	1.1	16
143	Integration of diamond in fully-depleted silicon-on-insulator technology as buried insulator: A theoretical analysis. Diamond and Related Materials, 2008, 17, 1248-1251.	1.8	9
144	High mobility single crystal diamond detectors for dosimetry: Application to radiotherapy. Diamond and Related Materials, 2008, 17, 1297-1301.	1.8	34

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145	High aspect ratio diamond microelectrode array for neuronal activity measurements. <i>Diamond and Related Materials</i> , 2008, 17, 1399-1404.	1.8	43
146	Stability of B ⁺ H and B ⁺ D complexes in diamond under electron beam excitation. <i>Applied Physics Letters</i> , 2008, 93, 062108.	1.5	14
147	Investigations of high mobility single crystal chemical vapor deposition diamond for radiotherapy photon beam monitoring. <i>Journal of Applied Physics</i> , 2008, 103, 054512.	1.1	13
148	Probing The Transient Response To Improve The Stability Of Diamond Devices Under Pulsed Periodic Excitation. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1039, 1.	0.1	0
149	Concept of novel CVD diamond high voltage, high power and study of ohmic contacts on diamond. , 2007, , .		0
150	Stability of 3C-SiC surfaces under diamond growth conditions. <i>Journal of Applied Physics</i> , 2007, 101, 014904.	1.1	11
151	Effect of 3C-SiC(100) initial surface stoichiometry on bias enhanced diamond nucleation. <i>Applied Physics Letters</i> , 2007, 90, 044101.	1.5	11
152	Single Crystal CVD Diamond Growth for Detection Device Fabrication. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1039, 1.	0.1	1
153	Surface behavior of heterosubstrates during BEN-MPCVD: a key for diamond heteroepitaxy. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1039, 1.	0.1	0
154	Improving diamond detectors: A device case. <i>Diamond and Related Materials</i> , 2007, 16, 1038-1043.	1.8	69
155	In situ study of the initial stages of diamond deposition on 3C-SiC (100) surfaces: Towards the mechanisms of diamond nucleation. <i>Diamond and Related Materials</i> , 2007, 16, 690-694.	1.8	19
156	Study of the CVD process sequences for an improved control of the Bias Enhanced Nucleation step on silicon. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 2854-2859.	0.8	13
157	Stability of H ⁺ terminated BDD electrodes: an insight into the influence of the surface preparation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 2931-2939.	0.8	65
158	Amplitude modulated step scan Fourier transform photocurrent spectroscopy of partly compensated B ⁺ doped CVD diamond thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 2950-2956.	0.8	13
159	Time of flight study of high performance CVD diamond detector devices. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 3023-3029.	0.8	29
160	Low-temperature magnetoresistance study of electrical transport in N- and B-doped ultrananocrystalline and nanocrystalline diamond films. <i>Diamond and Related Materials</i> , 2006, 15, 607-613.	1.8	24
161	Investigations of high quality diamond detectors for neutron fluency monitoring in a nuclear reactor. <i>Diamond and Related Materials</i> , 2006, 15, 815-821.	1.8	10
162	Nitrogen-doped diamond: Thermoluminescence and dosimetric applications. <i>Diamond and Related Materials</i> , 2006, 15, 833-837.	1.8	23

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163	Recent improvements on the use of CVD diamond ionisation chambers for radiotherapy applications. <i>Diamond and Related Materials</i> , 2006, 15, 811-814.	1.8	30
164	Local electrical characterization of Schottky diodes on H-terminated diamond surfaces by conducting probe atomic force microscopy. <i>Diamond and Related Materials</i> , 2006, 15, 618-621.	1.8	5
165	Superconductive B-doped nanocrystalline diamond thin films: Electrical transport and Raman spectra. <i>Applied Physics Letters</i> , 2006, 88, 232111.	1.5	77
166	CVD diamond-based semi-transparent beam-position monitors for synchrotron beamlines: preliminary studies and device developments at CEA/Saclay. <i>Journal of Synchrotron Radiation</i> , 2006, 13, 151-158.	1.0	34
167	Sensitivity of Raman spectra excited at 325 nm to surface treatments of undoped polycrystalline diamond films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 2397-2402.	0.8	15
168	Synthetic diamond devices for radio-oncology applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 3161-3166.	0.8	11
169	Superconductivity and low temperature electrical transport in B-doped CVD nanocrystalline diamond. <i>Science and Technology of Advanced Materials</i> , 2006, 7, S41-S44.	2.8	14
170	Single Crystal CVD Diamond growth and characterizations. <i>Materials Research Society Symposia Proceedings</i> , 2006, 956, 1.	0.1	1
171	Synthesis of sub-micron diamond films on Si(100) for thermal applications by BEN-MPCVD. <i>Materials Research Society Symposia Proceedings</i> , 2006, 956, 1.	0.1	1
172	Surface Bio-functionalization of boron doped diamond. <i>Materials Research Society Symposia Proceedings</i> , 2006, 956, 1.	0.1	0
173	Improving Diamond Device Performances for Pulsed Mode Detection. <i>Materials Research Society Symposia Proceedings</i> , 2006, 956, 1.	0.1	0
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175	Synthetic diamond devices for radiotherapy applications: Passive and active dosimetry. <i>Materials Research Society Symposia Proceedings</i> , 2006, 956, 1.	0.1	1
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