Marco Marinelli

List of Publications by Year
in descending order

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267	5,432	101384	155451
papers	citations	36 h-index	55 g-index

267	267	267	3709
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Design, realization, and characterization of a novel diamond detector prototype for FLASH radiotherapy dosimetry. Medical Physics, 2022, 49, 1902-1910.	1.6	29
2	An Unsupervised Spectrogram Cross-Correlation Method to Assess ELM Triggering Efficiency by Pellets. Applied Sciences (Switzerland), 2022, 12, 3681.	1.3	2
3	OC-0284 Development of a novel diamond based Schottky diode detector for FLASH radiotherapy dosimetry. Radiotherapy and Oncology, 2022, 170, S244-S245.	0.3	0
4	OC-0283 Diamond detectors as a powerful real-time tool for commissioning UHDR electron beams in water. Radiotherapy and Oncology, 2022, 170, S243-S244.	0.3	0
5	Application of a novel diamond detector for commissioning of FLASH radiotherapy electron beams. Medical Physics, 2022, 49, 5513-5522.	1.6	15
6	CVD diamond photodetectors for FTU plasma diagnostics. Fusion Engineering and Design, 2021, 166, 112323.	1.0	10
7	CVD diamond detectors for fast VUV and SX-ray diagnostics on FTU. Nuclear Fusion, 2021, 61, 116004.	1.6	3
8	Microdosimetric characterization of clinical carbonâ€•ion beams using synthetic diamond detectors and spectral conversion methods. Medical Physics, 2020, 47, 713-721.	1.6	9
9	Multi-analytical non-destructive investigation of pictorial apparatuses of â€œVilla della Piscinaâ€•in Rome. Microchemical Journal, 2020, 153, 104450.	2.3	20
10	Microdosimetric measurements of a monoenergetic and modulated Bragg Peaks of 62ÂMeV therapeutic proton beam with a synthetic single crystal diamond microdosimeter. Medical Physics, 2020, 47, 5791-5801.	1.6	13
11	â€œSt. Joseph with the Childâ€•by Gian Lorenzo Bernini: A definitive artwork or a preparatory drawing? A multidisciplinary study of the only autograph painting of the Artist, preserved at Palazzo Chigi of Ariccia (Rome). Journal of Cultural Heritage, 2020, 46, 283-288.	1.5	2
12	New insights on the painting â€œPortrait of Mario Nuzziâ€• a preliminary analytical study of Mario Nuzziâ€™s pictorial production and of his artistic collaborations. European Physical Journal Plus, 2020, 135, 1.	1.2	4
13	S-band hybrid amplifiers based on hydrogenated diamond FETs. Scientific Reports, 2020, 10, 19029.	1.6	3
14	Systematic study of the response of single crystal diamond neutron detectors at high temperature. Journal of Instrumentation, 2020, 15, P03031-P03031.	0.5	7
15	Analytical chemistry approach in cultural heritage: the case of Vincenzo Pasqualoni's wall paintings in S. Nicola in Carcere (Rome). Microchemical Journal, 2020, 156, 104920.	2.3	19
16	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. Journal of Instrumentation, 2020, 15, P02024-P02024.	0.5	19
17	Comparison of single crystal diamond TOF detectors in planar and transverse configuration. Journal of Instrumentation, 2020, 15, C09066-C09066.	0.5	5
18	Î”E-E single crystal diamond based telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 947, 162744.	0.7	2

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19	Post-Processing of VIS, NIR, and SWIR Multispectral Images of Paintings. New Discovery on the The Drunkenness of Noah, Painted by Andrea Sacchi, Stored at Palazzo Chigi (Ariccia, Rome). Heritage, 2019, 2, 2275-2286.	0.9	18
20	Overview of the JET preparation for deuteriumâ€“tritium operation with the ITER like-wall. Nuclear Fusion, 2019, 59, 112021.	1.6	87
21	Raman and Time-Gated-Lif Spectroscopy for the Identification of Painting Materials*. Journal of Applied Spectroscopy, 2019, 86, 360-368.	0.3	5
22	Stability of H-Terminated Diamond MOSFETs With V₂O₅/Al₂O₃as Gate Insulator. IEEE Electron Device Letters, 2019, 40, 765-768.	2.2	12
23	Analysis of deposited layers with deuterium and impurity elements on samples from the divertor of JET with ITER-like wall. Journal of Nuclear Materials, 2019, 516, 202-213.	1.3	18
24	Toward the use of single crystal diamond based detector for ion-beam therapy microdosimetry. Radiation Measurements, 2018, 110, 25-31.	0.7	32
25	Metastructure of illuminations by infrared thermography. Journal of Cultural Heritage, 2018, 31, 53-62.	1.5	35
26	Influence of surface crystal-orientation on transfer doping of V2O5/H-terminated diamond. Applied Physics Letters, 2018, 112, 181602.	1.5	23
27	EP-1730: Small field dosimetry by the PTW microDiamond: multicenter experimental study and MC simulations. Radiotherapy and Oncology, 2018, 127, S925.	0.3	0
28	Efficient generation of energetic ions in multi-ion plasmas by radio-frequency heating. Nature Physics, 2017, 13, 973-978.	6.5	73
29	Transient lateral photovoltaic effect in synthetic single crystal diamond. Applied Physics Letters, 2017, 111, .	1.5	14
30	Photo-physical properties of He-related color centers in diamond. Applied Physics Letters, 2017, 111, .	1.5	13
31	Response of synthetic diamond detectors in proton, carbon, and oxygen ion beams. Medical Physics, 2017, 44, 5445-5449.	1.6	12
32	Overview of the JET results in support to ITER. Nuclear Fusion, 2017, 57, 102001.	1.6	150
33	Is the PTW 60019 microDiamond a suitable candidate for small field reference dosimetry?. Physics in Medicine and Biology, 2017, 62, 7036-7055.	1.6	46
34	Time resolved laser induced fluorescence for characterization of binders in contemporary artworks. Journal of Cultural Heritage, 2017, 23, 98-105.	1.5	13
35	Cryogenic Characterization of FBK RGB-HD SiPMs. Journal of Instrumentation, 2017, 12, P09030-P09030.	0.5	16
36	High temperature operation of single crystal diamond detectors. , 2016, , .		3

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37	Development and high temperature testing by 14 MeV neutron irradiation of single crystal diamond detectors. Journal of Instrumentation, 2016, 11, C06008-C06008.	0.5	19
38	H-Terminated Diamond MISFETs with V2O5 as Insulator. , 2016, , .		3
39	High-temperature long-lasting stability assessment of a single-crystal diamond detector under high-flux neutron irradiation. Europhysics Letters, 2016, 116, 42001.	0.7	17
40	Experimental determination of the PTW 60019 microDiamond dosimeter active area and volume. Medical Physics, 2016, 43, 5205-5212.	1.6	49
41	High performance diagnostics for Time-Of-Flight and X ray measurements in laser produced plasmas, based on fast diamond detectors. Journal of Instrumentation, 2016, 11, C12048-C12048.	0.5	14
42	Comparative investigation of surface transfer doping of hydrogen terminated diamond by high electron affinity insulators. Journal of Applied Physics, 2016, 120, .	1.1	62
43	The role of a microDiamond detector in the dosimetry of proton pencil beams. Zeitschrift Fur Medizinische Physik, 2016, 26, 88-94.	0.6	18
44	Multicenter evaluation of a synthetic single-crystal diamond detector for CyberKnife small field size output factors. Physica Medica, 2016, 32, 575-581.	0.4	30
45	CyberKnife beam output factor measurements: A multi-site and multi-detector study. Physica Medica, 2016, 32, 1637-1643.	0.4	35
46	In phantom assessment of superficial doses under TomoTherapy irradiation. Physica Medica, 2016, 32, 1263-1270.	0.4	4
47	Small field output factors evaluation with a microDiamond detector over 30 Italian centers. Physica Medica, 2016, 32, 1644-1650.	0.4	25
48	14.8-MeV Neutron Irradiation on H-Terminated Diamond-Based MESFETs. IEEE Electron Device Letters, 2016, 37, 1597-1600.	2.2	13
49	<italic>V</italic>₂O₅MISFETs on H-Terminated Diamond. IEEE Transactions on Electron Devices, 2016, 63, 4647-4653.	1.6	32
50	Response to â€œComment on â€˜Experimental determination of the PTW 60019 microDiamond dosimeter active area and volumeâ€™â€‰â€•[Med. Phys. 43, 6667 (2016)]. Medical Physics, 2016, 43, 6668-6668.	1.6	1
51	Comparison between small radiation therapy electron beams collimated by Cerrobend and tubular applicators. Journal of Applied Clinical Medical Physics, 2015, 16, 329-335.	0.8	8
52	Spectroscopic properties and radiation damage investigation of a diamond based Schottky diode for ion-beam therapy microdosimetry. Journal of Applied Physics, 2015, 118, .	1.1	24
53	Simultaneous calorimetric and polarization microscopy investigations of light induced changes over phase transitions in a liquid crystalâ€“napthopyran mixture. Journal of Chemical Physics, 2015, 143, 134901.	1.2	8
54	A novel synthetic single crystal diamond device for in vivo dosimetry. Medical Physics, 2015, 42, 4636-4644.	1.6	9

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55	Synthetic single crystal diamond diodes for radiotherapy dosimetry. , 2015, , .		0
56	Gate-Source Distance Scaling Effects in H-Terminated Diamond MESFETs. IEEE Transactions on Electron Devices, 2015, 62, 1150-1156.	1.6	28
57	Characterization of a microDiamond detector in high-dose-per-pulse electron beams for intra operative radiation therapy. Physica Medica, 2015, 31, 897-902.	0.4	28
58	Active infrared thermography applied to the study of a painting on paper representing theChigi's family tree. Studies in Conservation, 2015, 60, 88-96.	0.6	26
59	Simultaneous absolute measurements of the thermal diffusivity and the thermal effusivity in solids and liquids using photopyroelectric calorimetry. Journal of Applied Physics, 2015, 117, .	1.1	44
60	Evaluation of a synthetic singleâ€crystal diamond detector for relative dosimetry on the Leksell Gamma Knife Perfexion radiosurgery system. Medical Physics, 2015, 42, 5035-5041.	1.6	25
61	Dosimetric characterization of a microDiamond detector in clinical scanned carbon ion beams. Medical Physics, 2015, 42, 2085-2093.	1.6	29
62	Photopyroelectric Calorimetry for the Thermal and Optical Study Over Phase Transitions. International Journal of Thermophysics, 2015, 36, 1142-1149.	1.0	5
63	Infrared Thermography Applied to the Study of Cultural Heritage. International Journal of Thermophysics, 2015, 36, 1189-1194.	1.0	53
64	Metrology for radiotherapy using complex radiation fields â€“ HLT09 EMRP Project. , 2015, , .		0
65	A 3-dimensional interdigitated electrode geometry for the enhancement of charge collection efficiency in diamond detectors. Europhysics Letters, 2014, 108, 18001.	0.7	17
66	Dosimetric characterization of a synthetic single crystal diamond detector in a clinical 62 MeV ocular therapy proton beam. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 767, 310-317.	0.7	14
67	SU-E-T-232: Micro Diamonds - Determination of Their Lateral Response Function Via Gap-Beam Dose Profiles. Medical Physics, 2014, 41, 276-277.	1.6	1
68	Strain induced homeotropic alignment in the smecticA phase of liquid crystals. Liquid Crystals, 2013, 40, 1535-1540.	0.9	2
69	Analysis of laser-generated plasma ionizing radiation by synthetic single crystal diamond detectors. Applied Surface Science, 2013, 272, 104-108.	3.1	34
70	Characterization of a synthetic single crystal diamond Schottky diode for radiotherapy electron beam dosimetry. Medical Physics, 2013, 40, 021712.	1.6	50
71	Radiotherapy electron beams collimated by small tubular applicators: characterization by silicon and diamond diodes. Physics in Medicine and Biology, 2013, 58, 8121-8133.	1.6	14
72	A synthetic diamond diode in volumetric modulated arc therapy dosimetry. Medical Physics, 2013, 40, 092103.	1.6	20

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73	Evaluation of the dosimetric properties of a synthetic single crystal diamond detector in high energy clinical proton beams. Medical Physics, 2013, 40, 121702.	1.6	39
74	Dedicated multichannel readout ASIC coupled with single crystal diamond for dosimeter application. Journal of Instrumentation, 2013, 8, C02042-C02042.	0.5	1
75	Self consistently calibrated photopyroelectric calorimeter for the high resolution simultaneous absolute measurement of the specific heat and of the thermal conductivity. AIP Advances, 2012, 2, .	0.6	29
76	Raman scattering in boron-doped single-crystal diamond used to fabricate Schottky diode detectors. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 2476-2481.	1.1	17
77	X-ray beam monitor made by thin-film CVD single-crystal diamond. Journal of Synchrotron Radiation, 2012, 19, 1015-1020.	1.0	8
78	Spectrometric Performances of Monocrystalline Artificial Diamond Detectors Operated at High Temperature. IEEE Transactions on Nuclear Science, 2012, 59, 2416-2423.	1.2	20
79	A Novel Microdosimeter Based Upon Artificial Single Crystal Diamond. IEEE Transactions on Nuclear Science, 2012, 59, 2409-2415.	1.2	20
80	Dosimetric characterization of a synthetic single crystal diamond detector in clinical radiation therapy small photon beams. Medical Physics, 2012, 39, 4493-4501.	1.6	91
81	Invited Review Article: Photopyroelectric calorimeter for the simultaneous thermal, optical, and structural characterization of samples over phase transitions. Review of Scientific Instruments, 2011, 82, 121101.	0.6	61
82	Effect of Quenched Disorder on the R_Iâ^'R_V, R_{II}â^'R_I, and Liquidâ^'R_{II}Rotator Phase Transitions in Alkanes. Journal of Physical Chemistry B, 2011, 115, 2331-2337.	1.2	32
83	Simulation and test of a new MicroDosimeter based upon Single Crystal Diamond. , 2011, , .		0
84	Multistrip synthetic single-crystal-diamond photodiode based on a p-type/intrinsic/Schottky metal transverse configuration. Europhysics Letters, 2011, 94, 28004.	0.7	4
85	Thermal and fast neutron dosimetry using artificial single crystal diamond detectors. Radiation Measurements, 2011, 46, 1686-1689.	0.7	12
86	Lateral IBIC characterization of single crystal synthetic diamond detectors. Physica Status Solidi - Rapid Research Letters, 2011, 5, 80-82.	1.2	10
87	Active infrared thermography applied to the investigation of art and historic artefacts. Journal of Thermal Analysis and Calorimetry, 2011, 104, 475-485.	2.0	63
88	Influence of the metallic contact in extreme-ultraviolet and soft x-ray diamond based Schottky photodiodes. Journal of Applied Physics, 2011, 110, .	1.1	21
89	Secondary electron emission in extreme-UV detectors: Application to diamond based devices. Journal of Applied Physics, 2011, 110, 014501.	1.1	6
90	Spectrometric performances of monocrystalline artificial diamond detectors operated at high temperature. , 2011, , .		1

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91	Fission diamond detectors for fast-neutron ToF spectroscopy. Europhysics Letters, 2011, 94, 62001.	0.7	33
92	Development of On-Line Tritium Monitor Based Upon Artificial Diamond for Fusion Applications. IEEE Transactions on Nuclear Science, 2011, 58, 1141-1144.	1.2	9
93	Single-crystal diamond detector for time-resolved measurements of a pulsed fast-neutron beam. Europhysics Letters, 2010, 92, 68003.	0.7	39
94	IR thermography characterization of residual stress in plastically deformed metallic components. Applied Physics A: Materials Science and Processing, 2010, 98, 461-465.	1.1	22
95	Improved performance in synthetic diamond neutron detectors: Application to boron neutron capture therapy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 612, 580-582.	0.7	16
96	Single crystal artificial diamond detectors for VUV and soft X-rays measurements on JET thermonuclear fusion plasma. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 726-730.	0.7	25
97	Chemical vapor deposition diamond based multilayered radiation detector: Physical analysis of detection properties. Journal of Applied Physics, 2010, 107, .	1.1	76
98	Extreme UV single crystal diamond Schottky photodiode in planar and transverse configuration. Diamond and Related Materials, 2010, 19, 78-82.	1.8	18
99	Neutron Spectroscopy by Means of Artificial Diamond Detectors Using a Remote Read Out Scheme. IEEE Transactions on Nuclear Science, 2010, , .	1.2	1
100	Synthetic single crystal diamond dosimeters for conformal radiation therapy application. Diamond and Related Materials, 2010, 19, 217-220.	1.8	13
101	Analysis of the Order Character of the R_{II}â^'R_Iand the R_Iâ^'R_VRotator Phase Transitions in Alkanes by Photopyroelectric Calorimetry. Journal of Physical Chemistry B, 2010, 114, 8134-8139.	1.2	41
102	Characterization of damage induced by heavy neutron irradiation on multilayered L6iF-single crystal chemical vapor deposition diamond detectors. Journal of Applied Physics, 2009, 106, .	1.1	16
103	Neutron Detectors Based Upon Artificial Single Crystal Diamond. IEEE Transactions on Nuclear Science, 2009, 56, 2275-2279.	1.2	25
104	Exciton condensation in homoepitaxial chemical vapor deposition diamond. Journal of Applied Physics, 2009, 106, 053528.	1.1	10
105	Single crystal CVD diamonds as neutron detectors at JET. Fusion Engineering and Design, 2009, 84, 1156-1159.	1.0	33
106	Synthetic single crystal diamond dosimeters for Intensity Modulated Radiation Therapy applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 191-194.	0.7	31
107	Thermal neutron dosimeter by synthetic single crystal diamond devices. Applied Radiation and Isotopes, 2009, 67, S183-S185.	0.7	9
108	Thin-film CVD single-crystal diamonds for high-energy ion beam detection. Radiation Effects and Defects in Solids, 2009, 164, 363-368.	0.4	2

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109	Effect of Confinement and Strain on the Specific Heat and Latent Heat over the Nematicâ˜Isotropic Phase Transition of 8CB Liquid Crystal. Journal of Physical Chemistry B, 2009, 113, 14315-14322.	1.2	30
110	X-Ray Detection by Using CVD Single Crystal Diamond Detector. IEEE Transactions on Nuclear Science, 2009, 56, 849-852.	1.2	13
111	Neutron spectroscopy by means of artificial diamond detectors using a remote read out scheme. , 2009, , .		2
112	Development of on-line tritium monitor based upon artificial diamond for fusion applications. , 2009, , .		3
113	Interleaved dual slope ADC for a diamond dosimeter ASIC. , 2009, , .		0
114	Extreme UV photodetectors based on CVD single crystal diamond in a p-type/intrinsic/metal configuration. Diamond and Related Materials, 2009, 18, 101-105.	1.8	41
115	Synthetic single crystal diamond diodes for radiotherapy dosimetry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 594, 273-277.	0.7	39
116	Development of single crystal diamond neutron detectors and test at JET tokamak. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 595, 616-622.	0.7	58
117	Thermal and fast neutron detection in chemical vapor deposition single-crystal diamond detectors. Journal of Applied Physics, 2008, 103, 054501.	1.1	63
118	Latent heat investigation by photopyroelectric calorimetry. Applied Physics Letters, 2008, 92, .	1.5	33
119	Spectroscopic investigation of homoepitaxial CVD diamond for detection applications. Diamond and Related Materials, 2008, 17, 372-376.	1.8	2
120	Diamond detectors for characterization of laser-generated plasma. Radiation Effects and Defects in Solids, 2008, 163, 463-470.	0.4	17
121	Low overdrive voltage and low current compact comparator for a diamond dosimeter ASIC. , 2008, , .		0
122	Radiation tolerance of a high quality synthetic single crystal chemical vapor deposition diamond detector irradiated by 14.8 MeV neutrons. Journal of Applied Physics, 2008, 104, 054513.	1.1	35
123	Monocrystalline diamond detector for ionizing radiation emitted by high temperature laser-generated plasma. Journal of Applied Physics, 2008, 103, 083106.	1.1	11
124	Synthetic single crystal diamond as a fission reactor neutron flux monitor. Applied Physics Letters, 2007, 90, 183509.	1.5	31
125	Ion Beam Induced Charge characterization of epitaxial single crystal CVD diamond. Diamond and Related Materials, 2007, 16, 940-943.	1.8	3
126	Single crystal diamond detectors grown by chemical vapor deposition. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 299-302.	0.7	12

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127	Towards UV imaging sensors based on single-crystal diamond chips for spectroscopic applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 583, 125-130.	0.7	3
128	Fission reactor flux monitors based on singleâ€crystal CVD diamond films. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 2991-2996.	0.8	4
129	Neutron detection at jet using artificial diamond detectors. Fusion Engineering and Design, 2007, 82, 1174-1178.	1.0	14
130	Analysis of trappingâ€“detrapping defects in high quality single crystal diamond films grown by Chemical Vapor Deposition. Diamond and Related Materials, 2006, 15, 1878-1881.	1.8	3
131	Growth and characterization of single crystal CVD diamond film based nuclear detectors. Diamond and Related Materials, 2006, 15, 292-295.	1.8	14
132	Radiation hardness of a polycrystalline chemical-vapor-deposited diamond detector irradiated with 14 MeV neutrons. Review of Scientific Instruments, 2006, 77, 023505.	0.6	27
133	Radiological X-ray dosimetry with single crystal CVD diamond detectors. Diamond and Related Materials, 2006, 15, 797-801.	1.8	21
134	Pulse height defect in pCVD and scCVD diamond based detectors. Diamond and Related Materials, 2006, 15, 1986-1989.	1.8	4
135	Homoepitaxial CVD diamond: Raman and time-resolved PL characterization. Diamond and Related Materials, 2006, 15, 1976-1979.	1.8	10
136	Diamond-based photoconductors for deep UV detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 567, 188-191.	0.7	12
137	CVD-diamond-based thermocouple for high sensitive temperature measurements. Microsystem Technologies, 2006, 12, 365-368.	1.2	9
138	Neutron detection and dosimetry using polycrystalline CVD diamond detectors with high collection efficiency. Radiation Protection Dosimetry, 2006, 120, 345-348.	0.4	4
139	Strain effects at the hexatic-Bâ€“smectic-Atransition in the 65OBC liquid crystal. Physical Review E, 2006, 74, 041707.	0.8	23
140	Performances of homoepitaxial single crystal diamond in diagnostic x-ray dosimetry. Applied Physics Letters, 2006, 88, 151901.	1.5	16
141	High performance Li6F-diamond thermal neutron detectors. Applied Physics Letters, 2006, 89, 143509.	1.5	61
142	High performance CVD-diamond-based thermocouple for gas sensing. Sensors and Actuators B: Chemical, 2005, 111-112, 102-105.	4.0	18
143	Time dependent 14MeV neutrons measurement using a polycrystalline chemical vapor deposited diamond detector at the JET tokamak. Review of Scientific Instruments, 2005, 76, 013506.	0.6	29
144	Synthesis and characterization of a single-crystal chemical-vapor-deposition diamond particle detector. Applied Physics Letters, 2005, 86, 213507.	1.5	27

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145	Distribution of electrically active defects in chemical vapor deposition diamond: Model and measurement. Applied Physics Letters, 2005, 86, 022108.	1.5	10
146	Dynamics at the Nematic-Isotropic Phase Transition in Aerosil Dispersed Liquid Crystal. Physical Review Letters, 2005, 94, .	2.9	32
147	Dynamics of Nematic Liquid Crystal with Quenched Disorder in the Random Dilution and Random Field Regimes. Physical Review Letters, 2005, 95, 237801.	2.9	30
148	Recent IBIC measurements on epitaxial CVD diamond. Diamond and Related Materials, 2005, 14, 1988-1991.	1.8	2
149	Extreme UV single crystal diamond photodetectors by chemical vapor deposition. Diamond and Related Materials, 2005, 14, 1980-1983.	1.8	11
150	Characterization of 14 MeV Neutron Detectors made with Polycrystalline CVD Diamond Films. , 2005, , .		1
151	Extreme ultraviolet single-crystal diamond detectors by chemical vapor deposition. Applied Physics Letters, 2005, 86, 193509.	1.5	127
152	Trapping-detrapping defects in single crystal diamond films grown by chemical vapor deposition. Applied Physics Letters, 2005, 87, 222101.	1.5	24
153	Development and application of CVD diamond detectors to 14 MeV neutron flux monitoring. Radiation Protection Dosimetry, 2004, 110, 233-236.	0.4	11
154	Separate measurement of electron and hole mean drift distance in CVD diamond. Diamond and Related Materials, 2004, 13, 929-933.	1.8	5
155	Analysis of traps in CVD diamond films through thermal depumping of nuclear detectors. Physica Status Solidi A, 2004, 201, 2542-2547.	1.7	3
156	Spatially resolved measurements of thermal parameters in colloidal suspensions in liquid crystals. Applied Physics Letters, 2004, 85, 4642-4644.	1.5	5
157	Raman and photoluminescence analysis of CVD diamond films: influence of Si-related luminescence centre on the film detection properties. Diamond and Related Materials, 2004, 13, 923-928.	1.8	18
158	Design and development of a piezoresistive pressure sensor on micromachined silicon for high-temperature applications and of a signal-conditioning electronic circuit. Microsystem Technologies, 2003, 9, 431-435.	1.2	4
159	Carrier dynamics in CVD diamond: electron and hole contributions. Diamond and Related Materials, 2003, 12, 499-502.	1.8	4
160	Spectral response of large area CVD diamond photoconductors for space applications in the vacuum UV. Diamond and Related Materials, 2003, 12, 1819-1824.	1.8	9
161	Analysis of traps in high quality CVD diamond films through the temperature dependence of carrier dynamics. Diamond and Related Materials, 2003, 12, 1733-1737.	1.8	9
162	Thermal detrapping analysis of pumping-related defects in diamond. Applied Physics Letters, 2003, 83, 3707-3709.	1.5	5

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163	Thermal and optical study of the kinetics of the nematic-isotropic transition in octylcyanobiphenyl. Physical Review E, 2003, 68, 041708.	0.8	15
164	Experimental determination of electron and hole mean drift distance: Application to chemical vapor deposition diamond. Applied Physics Letters, 2003, 82, 4723-4725.	1.5	6
165	Photopyroelectric structural and thermal characterization of first-order phase transition in liquid crystals. Applied Physics Letters, 2002, 81, 4148-4150.	1.5	13
166	Systematic study of pre-irradiation effects in high efficiency CVD diamond nuclear particle detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 476, 701-705.	0.7	11
167	Influence of metalâ€"diamond interfaces on the response of UV photoconductors. Diamond and Related Materials, 2001, 10, 698-705.	1.8	15
168	A joint macro-/micro- Raman investigation of the diamond lineshape in CVD films: the influence of texturing and stress. Diamond and Related Materials, 2001, 10, 1535-1543.	1.8	13
169	Growth of detector grade CVD diamond films and microscopic interpretation of their efficiency and charge collection distance in the normal and pumped states. Diamond and Related Materials, 2001, 10, 1783-1787.	1.8	3
170	High quality CVD diamond for detection applications: structural characterization. Diamond and Related Materials, 2001, 10, 1788-1793.	1.8	17
171	Use of high-sensitivity diamond detectors in DC mode for detailed beam-profile measurements in particle accelerators. Diamond and Related Materials, 2001, 10, 706-709.	1.8	5
172	High quality CVD diamond: a Raman scattering and photoluminescence study. European Physical Journal B, 2001, 20, 133-139.	0.6	31
173	Systematic study of the normal and pumped state of high efficiency diamond particle detectors grown by chemical vapor deposition. Journal of Applied Physics, 2001, 89, 1430-1435.	1.1	31
174	Trapping and detrapping effects in high-quality chemical-vapor-deposition diamond films: Pulse shape analysis of diamond particle detectors. Physical Review B, 2001, 64, .	1.1	43
175	Effects of fluctuations in the orientational order parameter in the cyanobiphenyl(nCB)homologous series. Physical Review E, 2000, 61, 1616-1621.	0.8	28
176	High collection efficiency in chemical vapor deposited diamond particle detectors. Diamond and Related Materials, 2000, 9, 998-1002.	1.8	4
177	Disorder effects in low concentration dispersions of small quartz spheres in cyanobiphenyl liquid crystals. Physical Review E, 1999, 60, R6309-R6312.	0.8	31
178	Structural characterisation of ionising-radiation detectors based on CVD diamond films. Microsystem Technologies, 1999, 6, 23-29.	1.2	15
179	Fabrication of CVD diamond photoconductive detectors. Microsystem Technologies, 1999, 6, 73-76.	1.2	2
180	High-quality diamond grown by chemical-vapor deposition: Improved collection efficiency in Î±-particle detection. Applied Physics Letters, 1999, 75, 3216-3218.	1.5	68

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