

Oliver Williams

List of Publications by Year in descending order

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153
papers

6,580
citations

61857

43
h-index

74018

75
g-index

155
all docs

155
docs citations

155
times ranked

5127
citing authors

#	ARTICLE	IF	CITATIONS
1	SAW Resonators and Filters Based on Sc _{0.43} Al _{0.57} N on Single Crystal and Polycrystalline Diamond. <i>Micromachines</i> , 2022, 13, 1061.	1.4	5
2	High-throughput nitrogen-vacancy center imaging for nanodiamond photophysical characterization and pH nanosensing. <i>Nanoscale</i> , 2020, 12, 21821-21831.	2.8	18
3	GaN-on-diamond technology platform: Bonding-free membrane manufacturing process. <i>AIP Advances</i> , 2020, 10, .	0.6	21
4	Giant Reflection Coefficient on Sc _{0.26} Al _{0.74} N Polycrystalline Diamond Surface Acoustic Wave Resonators. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900360.	0.8	4
5	Superconducting boron doped nanocrystalline diamond on boron nitride ceramics. <i>Nanoscale</i> , 2019, 11, 10266-10272.	2.8	11
6	Observation of a superconducting glass state in granular superconducting diamond. <i>Scientific Reports</i> , 2019, 9, 4578.	1.6	3
7	Superconducting Diamond on Silicon Nitride for Device Applications. <i>Scientific Reports</i> , 2019, 9, 2911.	1.6	23
8	Fluorinated nanodiamonds as unique neutron reflector. <i>Journal of Neutron Research</i> , 2019, 20, 81-82.	0.4	5
9	Single Nitrogen-Vacancy Imaging in Nanodiamonds for Multimodal Sensing. <i>Biophysical Journal</i> , 2019, 116, 174a.	0.2	1
10	Microwave cavity perturbation of nitrogen doped nano-crystalline diamond films. <i>Carbon</i> , 2019, 145, 740-750.	5.4	19
11	Microwave Permittivity of Trace sp ² Carbon Impurities in Sub-Micron Diamond Powders. <i>ACS Omega</i> , 2018, 3, 2183-2192.	1.6	7
12	A simple, space constrained NIRIM type reactor for chemical vapour deposition of diamond. <i>AIP Advances</i> , 2018, 8, .	0.6	7
13	Temperature characteristics of SAW resonators on Sc _{0.26} Al _{0.74} N/polycrystalline diamond heterostructures. <i>Smart Materials and Structures</i> , 2018, 27, 075015.	1.8	11
14	Fluorinated nanodiamonds as unique neutron reflector. <i>Carbon</i> , 2018, 130, 799-805.	5.4	34
15	Battery-like Supercapacitors from Vertically Aligned Carbon Nanofiber Coated Diamond: Design and Demonstrator. <i>Advanced Energy Materials</i> , 2018, 8, 1702947.	10.2	70
16	Redox agent enhanced chemical mechanical polishing of thin film diamond. <i>Carbon</i> , 2018, 130, 25-30.	5.4	40
17	Effect of ultraprecision polishing techniques on coherence times of shallow nitrogen-vacancy centers in diamond. <i>Diamond and Related Materials</i> , 2018, 85, 18-22.	1.8	6
18	Strongly inhomogeneous distribution of spectral properties of silicon-vacancy color centers in nanodiamonds. <i>New Journal of Physics</i> , 2018, 20, 115002.	1.2	52

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19	Production of Metal-Free Diamond Nanoparticles. ACS Omega, 2018, 3, 16099-16104.	1.6	10
20	Pure nanodiamonds for levitated optomechanics in vacuum. New Journal of Physics, 2018, 20, 043016.	1.2	42
21	Air-clad suspended nanocrystalline diamond ridge waveguides. Optics Express, 2018, 26, 13883.	1.7	7
22	Impact of chemical vapour deposition plasma inhomogeneity on the spatial variation of sp ² carbon in boron doped diamond electrodes. Carbon, 2017, 121, 434-442.	5.4	21
23	Superconductivity in planarised nanocrystalline diamond films. Science and Technology of Advanced Materials, 2017, 18, 239-244.	2.8	12
24	Slow Electronâ€“Phonon Cooling in Superconducting Diamond Films. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-4.	1.1	4
25	Battery-like supercapacitors from diamond networks and water-soluble redox electrolytes. Journal of Materials Chemistry A, 2017, 5, 1778-1785.	5.2	74
26	Effect of slurry composition on the chemical mechanical polishing of thin diamond films. Science and Technology of Advanced Materials, 2017, 18, 654-663.	2.8	28
27	Surface Zeta Potential and Diamond Seeding on Gallium Nitride Films. ACS Omega, 2017, 2, 7275-7280.	1.6	33
28	Spectroscopic Ellipsometry of Nanocrystalline Diamond Film Growth. ACS Omega, 2017, 2, 6715-6727.	1.6	18
29	Positive zeta potential of nanodiamonds. Nanoscale, 2017, 9, 12549-12555.	2.8	98
30	CO ₂ laser micromachining of nanocrystalline diamond films grown on doped silicon substrates. Optical Materials Express, 2016, 6, 3916.	1.6	2
31	Low temperature catalytic reactivity of nanodiamond in molecular hydrogen. Carbon, 2016, 110, 438-442.	5.4	30
32	Chemical Nucleation of Diamond Films. ACS Applied Materials & Interfaces, 2016, 8, 26220-26225.	4.0	24
33	Investigating the Broadband Microwave Absorption of Nanodiamond Impurities. IEEE Transactions on Microwave Theory and Techniques, 2015, 63, 4110-4118.	2.9	22
34	Electrochemical Supercapacitors from Diamond. Journal of Physical Chemistry C, 2015, 119, 18918-18926.	1.5	68
35	Microwave determination of sp ² carbon fraction in nanodiamond powders. Carbon, 2015, 81, 174-178.	5.4	32
36	Silica based polishing of {100} and {111} single crystal diamond. Science and Technology of Advanced Materials, 2014, 15, 035013.	2.8	43

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37	Superconducting nano-mechanical diamond resonators. Carbon, 2014, 72, 100-105.	5.4	26
38	Chemical mechanical polishing of thin film diamond. Carbon, 2014, 68, 473-479.	5.4	121
39	Coherent anti-Stokes Raman scattering microscopy of single nanodiamonds. Nature Nanotechnology, 2014, 9, 940-946.	15.6	56
40	MEMS/NEMS based on mono-, nano-, and ultrananocrystalline diamond films. MRS Bulletin, 2014, 39, 511-516.	1.7	45
41	Observation of Nonlinear Dissipation in Piezoresistive Diamond Nanomechanical Resonators by Heterodyne Down-Mixing. Nano Letters, 2013, 13, 4014-4019.	4.5	34
42	Piezoelectric actuated micro-resonators based on the growth of diamond on aluminum nitride thin films. Nanotechnology, 2013, 24, 025601.	1.3	46
43	Diamond underlayer microstructure effect on the orientation of AlN piezoelectric layers for high frequency SAW resonators by TEM. Microelectronic Engineering, 2013, 112, 193-197.	1.1	9
44	Nonlinear dissipation in diamond nanoelectromechanical resonators. Applied Physics Letters, 2013, 102, .	1.5	43
45	Functional Polymer Brushes on Diamond as a Platform for Immobilization and Electrical Wiring of Biomolecules. Advanced Functional Materials, 2013, 23, 2979-2986.	7.8	21
46	High precision pressure sensors based on SAW devices in the GHz range. Sensors and Actuators A: Physical, 2013, 189, 364-369.	2.0	89
47	Observation of conduction electron spin resonance in boron-doped diamond. Physical Review B, 2013, 87, .	1.1	13
48	Thin conductive diamond films as beam intensity monitors for soft x-ray beamlines. Review of Scientific Instruments, 2013, 84, 035105.	0.6	7
49	Microwave properties of nanodiamond particles. Applied Physics Letters, 2013, 102, .	1.5	54
50	A detailed analysis of the Raman spectra in superconducting boron doped nanocrystalline diamond. Physica Status Solidi (B): Basic Research, 2012, 249, 2656-2659.	0.7	38
51	Selective and visible-light-driven profenofos sensing with calixarene receptors on TiO2 nanotube film electrodes. Electrochemistry Communications, 2012, 19, 111-114.	2.3	18
52	Optimization of AlN thin layers on diamond substrates for high frequency SAW resonators. Materials Letters, 2012, 66, 339-342.	1.3	52
53	Super-High-Frequency SAW Resonators on AlN/Diamond. IEEE Electron Device Letters, 2012, 33, 495-497.	2.2	93
54	Nanostructured polymer brushes and protein density gradients on diamond by carbon templating. Soft Matter, 2011, 7, 4861.	1.2	37

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55	Nanocrystalline Diamond Nanoelectrode Arrays and Ensembles. ACS Nano, 2011, 5, 3339-3346.	7.3	74
56	Diamond-Modified AFM Probes: From Diamond Nanowires to Atomic Force Microscopy-Integrated Boron-Doped Diamond Electrodes. Analytical Chemistry, 2011, 83, 4936-4941.	3.2	57
57	The Diamond Superconducting Quantum Interference Device. ACS Nano, 2011, 5, 7144-7148.	7.3	54
58	Nanocrystalline diamond. Diamond and Related Materials, 2011, 20, 621-640.	1.8	377
59	Sputter optimization of AlN on diamond substrates for high frequency SAW resonators. , 2011, , .		0
60	Fabrication of high frequency SAW resonators using AlN/Diamond/Si technology. , 2011, , .		0
61	Dynamic characterization of thin aluminum nitride microstructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 479-481.	0.8	3
62	Formation of nano-pores in nano-crystalline diamond films. Chemical Physics Letters, 2011, 507, 253-259.	1.2	28
63	Electrostatic self-assembly of diamond nanoparticles. Chemical Physics Letters, 2011, 509, 12-15.	1.2	130
64	TEM study of superconducting polycrystalline diamond. , 2010, , .		1
65	High Young's modulus in ultra thin nanocrystalline diamond. Chemical Physics Letters, 2010, 495, 84-89.	1.2	98
66	Detailed study of superconductivity in nanostructured nanocrystalline boron doped diamond thin films. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2017-2022.	0.8	9
67	Nanocrystalline boron-doped diamond films, a mixture of BCS-like and non-BCS-like superconducting grains. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2064-2068.	0.8	5
68	Doping of single crystalline diamond with nickel. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2054-2057.	0.8	10
69	Bulk and surface thermal stability of ultra nanocrystalline diamond films with 10-30 nm grain size prepared by chemical vapor deposition. Journal of Applied Physics, 2010, 107, 093521.	1.1	25
70	Spatially correlated microstructure and superconductivity in polycrystalline boron-doped diamond. Physical Review B, 2010, 82, .	1.1	24
71	Anisotropic etching of diamond by molten Ni particles. Applied Physics Letters, 2010, 97, .	1.5	59
72	Diamond-AlN Thin Films for Optical Applications. , 2010, , .		0

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73	Nanostructures made from superconducting boron-doped diamond. <i>Nanotechnology</i> , 2010, 21, 195303.	1.3	31
74	Semiconducting to metallic-like boron doping of nanocrystalline diamond films and its effect on osteoblastic cells. <i>Diamond and Related Materials</i> , 2010, 19, 190-195.	1.8	25
75	Size-Dependent Reactivity of Diamond Nanoparticles. <i>ACS Nano</i> , 2010, 4, 4824-4830.	7.3	345
76	Microstructured poly(2-oxazoline) bottle-brush brushes on nanocrystalline diamond. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 4360.	1.3	31
77	Intrinsic granularity in nanocrystalline boron-doped diamond films measured by scanning tunneling microscopy. <i>Physical Review B</i> , 2009, 80, .	1.1	17
78	Low-temperature transport in highly boron-doped nanocrystalline diamond. <i>Physical Review B</i> , 2009, 79, .	1.1	35
79	Tuneable optical lenses from diamond thin films. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	43
80	Static and dynamic determination of the mechanical properties of nanocrystalline diamond micromachined structures. <i>Journal of Micromechanics and Microengineering</i> , 2009, 19, 115016.	1.5	22
81	Negative magnetoresistance in boron-doped nanocrystalline diamond films. <i>Journal of Applied Physics</i> , 2009, 106, 033711.	1.1	11
82	Diamond Nucleation by Carbon Transport from Buried Nanodiamond TiO_2 Sol-Gel Composites. <i>Advanced Materials</i> , 2009, 21, 670-673.	11.1	32
83	Characterisation of capacitive field-effect sensors with a nanocrystalline-diamond film as transducer material for multi-parameter sensing. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1298-1304.	5.3	24
84	Nanocrystalline-diamond thin films with high pH and penicillin sensitivity prepared on a capacitive Si/SiO_2 structure. <i>Electrochimica Acta</i> , 2009, 54, 5981-5985.	2.6	20
85	Synthetic diamond films as a platform material for label-free protein sensors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 520-526.	0.8	20
86	Chinese hamster ovary cell viability on hydrogen and oxygen terminated nano- and microcrystalline diamond surfaces. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2042-2047.	0.8	13
87	Vertically aligned diamond nanowires: Fabrication, characterization, and application for DNA sensing. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2048-2056.	0.8	48
88	A microstructural study of superconductive nanocrystalline diamond. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 1986-1990.	0.8	5
89	Nickel doping of nitrogen enriched CVD-diamond for the production of single photon emitters. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2012-2015.	0.8	20
90	Metal-insulator transition and superconductivity in highly boron-doped nanocrystalline diamond films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 1978-1985.	0.8	13

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91	Nanocrystalline diamond piezoresistive sensor. <i>Vacuum</i> , 2009, 84, 53-56.	1.6	18
92	Electronic and optical properties of boron-doped nanocrystalline diamond films. <i>Physical Review B</i> , 2009, 79, .	1.1	220
93	Diamond nano-wires, a new approach towards next generation electrochemical gene sensor platforms. <i>Diamond and Related Materials</i> , 2009, 18, 910-917.	1.8	82
94	The Diamond Nano-Balance. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3483-3486.	0.9	6
95	Diamond: a material for acoustic devices. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 1009-1020.	0.8	31
96	Penicillin detection with nanocrystalline diamond field-effect sensor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 2141-2145.	0.8	25
97	Surface characterisation of silicon substrates seeded with diamond nanoparticles under UHV annealing. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 2108-2113.	0.8	16
98	Transparent diamond-on-glass microelectrode arrays for <i>ex vivo</i> neuronal study. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 2126-2129.	0.8	31
99	Topographical and Functional Characterization of the ssDNA Probe Layer Generated Through EDC-Mediated Covalent Attachment to Nanocrystalline Diamond Using Fluorescence Microscopy. <i>Langmuir</i> , 2008, 24, 9125-9134.	1.6	35
100	Growth, electronic properties and applications of nanodiamond. <i>Diamond and Related Materials</i> , 2008, 17, 1080-1088.	1.8	279
101	Diamond nanoseeding on silicon: Stability under H ₂ MPCVD exposures and early stages of growth. <i>Diamond and Related Materials</i> , 2008, 17, 1143-1149.	1.8	53
102	Structural and Optical Properties of DNA Layers Covalently Attached to Diamond Surfaces. <i>Langmuir</i> , 2008, 24, 7269-7277.	1.6	38
103	Optical properties of heavily boron-doped nanocrystalline diamond films studied by spectroscopic ellipsometry. <i>Applied Physics Letters</i> , 2008, 93, 131910.	1.5	25
104	<i>Ex situ</i> variable angle spectroscopic ellipsometry studies on chemical vapor deposited boron-doped diamond films: Layered structure and modeling aspects. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	18
105	Hydrogen bonding at grain surfaces and boundaries of nanodiamond films detected by high resolution electron energy loss spectroscopy. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	36
106	Hydrogen concentration and bonding configuration in polycrystalline diamond films: From micro-to nanometric grain size. <i>Journal of Applied Physics</i> , 2007, 102, .	1.1	54
107	Nanocrystalline Diamond-Based Field-Effect Capacitive pH Sensor. , 2007, , .		0
108	Electrostatic force microscopy studies of boron-doped diamond films. <i>Journal of Materials Research</i> , 2007, 22, 3014-3028.	1.2	12

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109	Nanocrystalline diamond enhanced thickness shear mode resonator. <i>Applied Physics Letters</i> , 2007, 90, 063514.	1.5	18
110	Defects localization and nature in bulk and thin film ultrananocrystalline diamond. <i>Diamond and Related Materials</i> , 2007, 16, 1806-1812.	1.8	25
111	Immobilization of horseradish peroxidase via an amino silane on oxidized ultrananocrystalline diamond. <i>Diamond and Related Materials</i> , 2007, 16, 138-143.	1.8	50
112	Towards a Real-Time, Label-Free, Diamond-Based DNA Sensor. <i>Langmuir</i> , 2007, 23, 13193-13202.	1.6	66
113	Atomic layer deposition of ZnO thin films on boron-doped nanocrystalline diamond. <i>Diamond and Related Materials</i> , 2007, 16, 983-986.	1.8	20
114	Enhanced diamond nucleation on monodispersed nanocrystalline diamond. <i>Chemical Physics Letters</i> , 2007, 445, 255-258.	1.2	345
115	Hydrogen concentration and bonding in nano-diamond films of varying grain sizes grown by different chemical vapor deposition methods. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 2860-2867.	0.8	19
116	pH sensitivity of nanocrystalline diamond films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 2925-2930.	0.8	9
117	Structural, optical, and electronic properties of nanocrystalline and ultrananocrystalline diamond thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2007, 204, 2874-2880.	0.8	16
118	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
119	Low temperature electron spin resonance investigation of ultrananocrystalline diamond films as a function of nitrogen content. <i>Diamond and Related Materials</i> , 2006, 15, 1913-1916.	1.8	18
120	Comparison of the growth and properties of ultrananocrystalline diamond and nanocrystalline diamond. <i>Diamond and Related Materials</i> , 2006, 15, 654-658.	1.8	154
121	Ultrananocrystalline diamond for electronic applications. <i>Semiconductor Science and Technology</i> , 2006, 21, R49-R56.	1.0	61
122	Optical properties of nanocrystalline diamond thin films. <i>Applied Physics Letters</i> , 2006, 88, 101908.	1.5	95
123	A new diamond based heterostructure diode. <i>Semiconductor Science and Technology</i> , 2006, 21, L32-L35.	1.0	10
124	An investigation of structural and electrical properties of boron doped and undoped nanocrystalline diamond films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 3021-3027.	0.8	10
125	Seeding, growth and characterization of nanocrystalline diamond films on various substrates. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 3005-3010.	0.8	72
126	Growth and properties of nanocrystalline diamond films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 3375-3386.	0.8	117

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127	Structural investigations of protective polycrystalline diamond coatings on titanium substrates. Surface and Coatings Technology, 2006, 201, 203-207.	2.2	16
128	Residual stress, intermolecular force, and frictional properties distribution maps of diamond films for micro- and nano-electromechanical (M/NEMS) applications. Journal of Materials Research, 2006, 21, 3037-3046.	1.2	4
129	Effect of nitrogen on the electronic properties of ultrananocrystalline diamond thin films grown on quartz and diamond substrates. Physical Review B, 2006, 74, .	1.1	103
130	Weak localization in ultrananocrystalline diamond. Applied Physics Letters, 2006, 88, 092107.	1.5	42
131	pH sensors based on hydrogenated diamond surfaces. Applied Physics Letters, 2005, 86, 073504.	1.5	101
132	Ultra-nano-crystalline/single crystal diamond heterostructure diode. Diamond and Related Materials, 2005, 14, 416-420.	1.8	57
133	Homoepitaxial diamond growth for the control of surface conductive carrier transport properties. Journal of Applied Physics, 2004, 96, 3742-3747.	1.1	9
134	n-type conductivity in ultrananocrystalline diamond films. Applied Physics Letters, 2004, 85, 1680-1682.	1.5	152
135	Ordered growth of neurons on diamond. Biomaterials, 2004, 25, 4073-4078.	5.7	139
136	Diamond growth on hot-filament chemically vapour-deposited diamond for surface conductive device applications. Diamond and Related Materials, 2004, 13, 166-169.	1.8	4
137	Homoepitaxial growth for surface conductive device applications. Diamond and Related Materials, 2004, 13, 325-328.	1.8	9
138	High growth rate MWPECVD of single crystal diamond. Diamond and Related Materials, 2004, 13, 557-560.	1.8	28
139	An insight into neutron detection from polycrystalline CVD diamond films. Diamond and Related Materials, 2004, 13, 791-795.	1.8	21
140	Novel in-plane gate devices on hydrogenated diamond surfaces. Physica Status Solidi A, 2003, 199, 56-63.	1.7	13
141	Surface conductivity on hydrogen terminated diamond. Semiconductor Science and Technology, 2003, 18, S34-S40.	1.0	55
142	High carrier mobilities in black diamond. Semiconductor Science and Technology, 2003, 18, S77-S80.	1.0	9
143	Influence of the postplasma process conditions on the surface conductivity of hydrogenated diamond surfaces. Journal of Applied Physics, 2003, 93, 2700-2704.	1.1	30
144	MEASUREMENT OF ELECTRICAL ACTIVATION ENERGY IN BLACK CVD DIAMOND USING IMPEDANCE SPECTROSCOPY. International Journal of Modern Physics B, 2002, 16, 4487-4492.	1.0	0

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145	Black diamond: a new material for active electronic devices. <i>Diamond and Related Materials</i> , 2002, 11, 396-399.	1.8	17
146	Low temperature properties of the p-type surface conductivity of diamond. <i>Diamond and Related Materials</i> , 2002, 11, 351-354.	1.8	57
147	Electrical Conduction in Polycrystalline CVD Diamond: Temperature Dependent Impedance Measurements. <i>Physica Status Solidi A</i> , 2002, 193, 462-469.	1.7	20
148	Diamond-Based 1-D Imaging Arrays. <i>Physica Status Solidi A</i> , 2002, 193, 476-481.	1.7	1
149	Hydrogenated Black Diamond: An Electrical Study. <i>Physica Status Solidi A</i> , 2002, 193, 577-584.	1.7	1
150	Carrier generation within the surface region of hydrogenated thin film polycrystalline diamond. <i>Diamond and Related Materials</i> , 2001, 10, 423-428.	1.8	26
151	Low Temperature Surface Conductivity of Hydrogenated Diamond. <i>Physica Status Solidi A</i> , 2001, 186, 241-247.	1.7	28
152	Formation of shallow acceptor states in the surface region of thin film diamond. <i>Applied Physics Letters</i> , 2001, 78, 3460-3462.	1.5	36
153	Hydrogen-induced transport properties of holes in diamond surface layers. <i>Applied Physics Letters</i> , 2001, 79, 4541-4543.	1.5	77