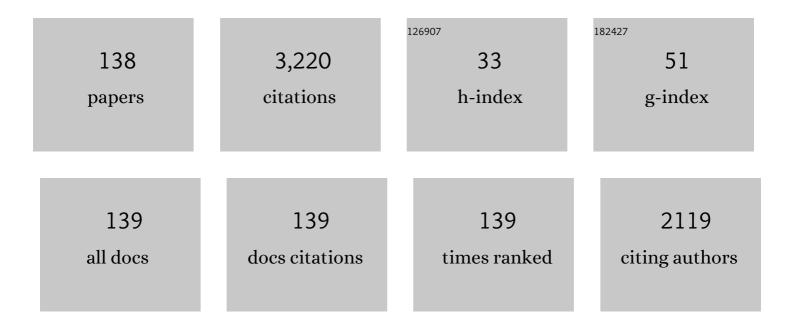
List of Publications by Year in descending order

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| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Electrically driven single-photon source at room temperature in diamond. Nature Photonics, 2012, 6, 299-303.   | 31.4 | 291       |
| 2  | Inversion channel diamond metal-oxide-semiconductor field-effect transistor with normally off characteristics. Scientific Reports, 2016, 6, 31585.   | 3.3  | 150       |
| 3  | n-type diamond growth by phosphorus doping on (0 0 1)-oriented surface. Journal Physics D: Applied<br>Physics, 2007, 40, 6189-6200.  | 2.8  | 90        |
| 4  | Misorientation-angle dependence of boron incorporation into (001)-oriented chemical-vapor-deposited (CVD) diamond. Journal of Crystal Growth, 2011, 317, 60-63.                                    | 1.5  | 90        |
| 5  | Perfect selective alignment of nitrogen-vacancy centers in diamond. Applied Physics Express, 2014, 7, 055201.  | 2.4  | 84        |
| 6  | Direct Nanoscale Sensing of the Internal Electric Field in Operating Semiconductor Devices Using<br>Single Electron Spins. ACS Nano, 2017, 11, 1238-1245.  | 14.6 | 82        |
| 7  | Diamond Schottky-pn diode with high forward current density and fast switching operation. Applied Physics Letters, 2009, 94, .   | 3.3  | 77        |
| 8  | Pure negatively charged state of the NV center in <mml:math<br>xmlns:mml="http://www.w3.org/1998/Math/MathML"&gt;<mml:mi>n</mml:mi>-type diamond.<br/>Physical Review B, 2016, 93, .</mml:math<br> | 3.2  | 77        |
| 9  | 600 V Diamond Junction Field-Effect Transistors Operated at 200\$^{circ}{m C}\$. IEEE Electron Device Letters, 2014, 35, 241-243.  | 3.9  | 74        |
| 10 | High performance of diamond p+-i-n+ junction diode fabricated using heavily doped p+ and n+ layers.<br>Applied Physics Letters, 2009, 94, .  | 3.3  | 73        |
| 11 | Enhancement in emission efficiency of diamond deep-ultraviolet light emitting diode. Applied Physics<br>Letters, 2011, 99, .   | 3.3  | 73        |
| 12 | Diamond Junction Field-Effect Transistors with Selectively Grown n\$^{+}\$-Side Gates. Applied Physics<br>Express, 2012, 5, 091301.  | 2.4  | 61        |
| 13 | Selective Growth of Buried n+Diamond on (001) Phosphorus-Doped n-Type Diamond Film. Applied<br>Physics Express, 2009, 2, 055502.   | 2.4  | 55        |
| 14 | Negative electron affinity of diamond and its application to high voltage vacuum power switches.<br>Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1961-1975.            | 1.8  | 53        |
| 15 | High-Efficiency Excitonic Emission with Deep-Ultraviolet Light from (001)-Oriented<br>Diamondp-i-nJunction. Japanese Journal of Applied Physics, 2006, 45, L1042-L1044.                            | 1.5  | 52        |
| 16 | Electrical characterization of diamond Pi <scp>N</scp> diodes for high voltage applications. Physica<br>Status Solidi (A) Applications and Materials Science, 2013, 210, 2035-2039.                | 1.8  | 52        |
| 17 | Diamond bipolar junction transistor device with phosphorus-doped diamond base layer. Diamond and<br>Related Materials, 2012, 27-28, 19-22.   | 3.9  | 51        |
| 18 | High-Temperature Operation of Diamond Junction Field-Effect Transistors With Lateral p-n Junctions.<br>IEEE Electron Device Letters, 2013, 34, 1175-1177.  | 3.9  | 51        |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | N-type control of single-crystal diamond films by ultra-lightly phosphorus doping. Applied Physics<br>Letters, 2016, 109, .   | 3.3 | 49        |
| 20 | Structures and optical properties of silicon nanocrystallites prepared by pulsed-laser ablation in  | 3.3 | 46        |
| 21 | Formation of nanoscale fine-structured silicon by pulsed laser ablation in hydrogen background gas.<br>Physical Review B, 2007, 76, .   | 3.2 | 43        |
| 22 | Generation and transportation mechanisms for two-dimensional hole gases in GaN/AlGaN/GaN double heterostructures. Journal of Applied Physics, 2014, 115, .  | 2.5 | 42        |
| 23 | Deterministic Electrical Charge-State Initialization of Single Nitrogen-Vacancy Center in Diamond.<br>Physical Review X, 2014, 4, .   | 8.9 | 41        |
| 24 | Anisotropic diamond etching through thermochemical reaction between Ni and diamond in high-temperature water vapour. Scientific Reports, 2018, 8, 6687.   | 3.3 | 41        |
| 25 | Stoichiometric indium oxide thin films prepared by pulsed laser deposition in pure inert background gas. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 83-86.     | 2.1 | 40        |
| 26 | Annealing effects on structures and optical properties of silicon nanostructured films prepared by pulsed-laser ablation in inert background gas. Journal of Applied Physics, 2001, 90, 5075-5080.    | 2.5 | 39        |
| 27 | Atomistic mechanism of perfect alignment of nitrogen-vacancy centers in diamond. Applied Physics<br>Letters, 2014, 105, .   | 3.3 | 39        |
| 28 | Fabrication of bipolar junction transistor on (001)-oriented diamond by utilizing phosphorus-doped n-type diamond base. Diamond and Related Materials, 2013, 34, 41-44.                               | 3.9 | 38        |
| 29 | Formation of Graphene-on-Diamond Structure by Graphitization of Atomically Flat Diamond (111)<br>Surface. Japanese Journal of Applied Physics, 2013, 52, 110121.                                      | 1.5 | 37        |
| 30 | Diamond Schottky-pn diode using lightly nitrogen-doped layer. Diamond and Related Materials, 2017, 75, 152-154.   | 3.9 | 37        |
| 31 | Normally-Off Diamond Junction Field-Effect Transistors With Submicrometer Channel. IEEE Electron Device Letters, 2016, 37, 209-211.   | 3.9 | 36        |
| 32 | Monodispersed, nonagglomerated silicon nanocrystallites. Applied Physics Letters, 2001, 78, 2043-2045.  | 3.3 | 35        |
| 33 | Diamond Schottkyâ€pn diode without tradeâ€off relationship between onâ€resistance and blocking voltage.<br>Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2105-2109.        | 1.8 | 34        |
| 34 | Electrical excitation of silicon-vacancy centers in single crystal diamond. Applied Physics Letters, 2015, 106, .   | 3.3 | 33        |
| 35 | Electrical properties of lateral p–n junction diodes fabricated by selective growth of n <sup>+</sup><br>diamond. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1761-1764. | 1.8 | 32        |
| 36 | Electronic properties of diamond Schottky barrier diodes fabricated on silicon-based heteroepitaxially grown diamond substrates. Applied Physics Express, 2015, 8, 104103.                            | 2.4 | 30        |

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 37 | Electrical and lightâ€emitting properties of homoepitaxial diamond p–i–n junction. Physica Status<br>Solidi (A) Applications and Materials Science, 2008, 205, 2200-2206.   | 1.8  | 29        |
| 38 | Diamond electronic devices fabricated using heavily doped hopping p <sup>+</sup> and n <sup>+</sup> layers. Japanese Journal of Applied Physics, 2014, 53, 05FA12.  | 1.5  | 29        |
| 39 | High-Temperature Bipolar-Mode Operation of Normally-Off Diamond JFET. IEEE Journal of the Electron Devices Society, 2017, 5, 95-99.   | 2.1  | 27        |
| 40 | Single crystal diamond membranes for nanoelectronics. Nanoscale, 2018, 10, 4028-4035.   | 5.6  | 27        |
| 41 | Engineering of Fermi level by <i>nin</i> diamond junction for control of charge states of NV centers.<br>Applied Physics Letters, 2018, 112, .  | 3.3  | 26        |
| 42 | Electron Emission from a Diamond (111) p–i–n+Junction Diode with Negative Electron Affinity during<br>Room Temperature Operation. Applied Physics Express, 2010, 3, 041301.   | 2.4  | 24        |
| 43 | Homoepitaxial diamond p–n+ junction with low specific on-resistance and ideal built-in potential.<br>Diamond and Related Materials, 2008, 17, 782-785.  | 3.9  | 23        |
| 44 | Formation of atomically flat hydroxyl-terminated diamond (1 1 1) surfaces via water vapor annealing.<br>Applied Surface Science, 2018, 458, 222-225.  | 6.1  | 23        |
| 45 | Strong Excitonic Emission from (001)-Oriented DiamondP-NJunction. Japanese Journal of Applied Physics, 2005, 44, L1190-L1192.   | 1.5  | 22        |
| 46 | Mechanism of anisotropic etching on diamond (111) surfaces by a hydrogen plasma treatment. Applied<br>Surface Science, 2017, 422, 452-455.  | 6.1  | 22        |
| 47 | High-Voltage Vacuum Switch with a Diamond p–i–n Diode Using Negative Electron Affinity. Japanese<br>Journal of Applied Physics, 2012, 51, 090113.   | 1.5  | 22        |
| 48 | Electrical and optical characterization of boron-doped (111) homoepitaxial diamond films. Diamond and Related Materials, 2005, 14, 1964-1968.   | 3.9  | 21        |
| 49 | Diamond Schottky p–n diode with high forward current density. Physica Status Solidi (A) Applications<br>and Materials Science, 2009, 206, 2086-2090.  | 1.8  | 20        |
| 50 | Energy distribution of Al2O3/diamond interface states characterized by high temperature capacitance-voltage method. Carbon, 2020, 168, 659-664.   | 10.3 | 20        |
| 51 | Surface conductive layers on oxidized (111) diamonds. Applied Physics Letters, 2005, 87, 262107.  | 3.3  | 19        |
| 52 | Electron emission from diamond <i>p</i> – <i>i</i> – <i>n</i> junction diode with heavily Pâ€doped<br><i>n</i> <sup>+</sup> top layer. Physica Status Solidi (A) Applications and Materials Science, 2011, 208,<br>2073-2078. | 1.8  | 19        |
| 53 | Formation of Step-Free Surfaces on Diamond (111) Mesas by Homoepitaxial Lateral Growth. Japanese<br>Journal of Applied Physics, 2012, 51, 090107.   | 1.5  | 19        |
| 54 | Carrier transport in homoepitaxial diamond films with heavy phosphorus doping. Japanese Journal of<br>Applied Physics, 2014, 53, 05FP05.  | 1.5  | 19        |

| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Inversion channel mobility and interface state density of diamond MOSFET using N-type body with various phosphorus concentrations. Applied Physics Letters, 2019, 114, .   | 3.3 | 19        |
| 56 | Formation of Step-Free Surfaces on Diamond (111) Mesas by Homoepitaxial Lateral Growth. Japanese<br>Journal of Applied Physics, 2012, 51, 090107.  | 1.5 | 19        |
| 57 | Electrical and light-emitting properties of (001)-oriented homoepitaxial diamond p–i–n junction.<br>Diamond and Related Materials, 2007, 16, 1025-1028.  | 3.9 | 18        |
| 58 | Electrical and light-emitting properties from (111)-oriented homoepitaxial diamond p–i–n junctions.<br>Diamond and Related Materials, 2009, 18, 764-767.   | 3.9 | 18        |
| 59 | Charge state modulation of nitrogen vacancy centers in diamond by applying a forward voltage<br>across a p–i–n junction. Diamond and Related Materials, 2016, 63, 192-196.   | 3.9 | 18        |
| 60 | Structural and optical properties of surface-hydrogenated silicon nanocrystallites prepared by reactive pulsed laser ablation. Journal Physics D: Applied Physics, 2005, 38, 3507-3511.                            | 2.8 | 17        |
| 61 | High-Voltage Vacuum Switch with a Diamond p–i–n Diode Using Negative Electron Affinity. Japanese<br>Journal of Applied Physics, 2012, 51, 090113.  | 1.5 | 17        |
| 62 | Vector Electrometry in a Wide-Gap-Semiconductor Device Using a Spin-Ensemble Quantum Sensor.<br>Physical Review Applied, 2020, 14, .   | 3.8 | 17        |
| 63 | Oxidation processes of surface hydrogenated silicon nanocrystallites prepared by pulsed laser<br>ablation and their effects on the photoluminescence wavelength. Journal of Applied Physics, 2008, 103,<br>024305. | 2.5 | 16        |
| 64 | Reduction of nâ€ŧype diamond contact resistance by graphite electrode. Physica Status Solidi - Rapid<br>Research Letters, 2014, 8, 137-140.  | 2.4 | 16        |
| 65 | Electrical and optical characterizations of (001)-oriented homoepitaxial diamond p–n junction.<br>Diamond and Related Materials, 2006, 15, 513-516.  | 3.9 | 15        |
| 66 | Free exciton luminescence from a diamond p–i–n diode grown on a substrate produced by<br>heteroepitaxy. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2251-2256.                        | 1.8 | 14        |
| 67 | Direct observation of inversion capacitance in p-type diamond MOS capacitors with an electron injection layer. Japanese Journal of Applied Physics, 2018, 57, 04FR01.  | 1.5 | 14        |
| 68 | Nonlinear behavior of currentâ€dependent emission for diamond lightâ€emitting diodes. Physica Status<br>Solidi (A) Applications and Materials Science, 2012, 209, 1754-1760.                                       | 1.8 | 13        |
| 69 | Improvement of (001)-oriented diamond p-i-n diode by use of selective grown n+ layer. Physica Status<br>Solidi (A) Applications and Materials Science, 2010, 207, 2099-2104.                                       | 1.8 | 12        |
| 70 | Structural and optical properties of silicon nanoparticles prepared by pulsed laser ablation in<br>hydrogen background gas. Applied Physics A: Materials Science and Processing, 2004, 79, 1391-1393.              | 2.3 | 11        |
| 71 | Desorption time of phosphorus during MPCVD growth of n-type (001) diamond. Diamond and Related<br>Materials, 2016, 64, 208-212.  | 3.9 | 11        |
| 72 | Estimation of Inductively Coupled Plasma Etching Damage of Boronâ€Đoped Diamond Using Xâ€Ray<br>Photoelectron Spectroscopy. Physica Status Solidi (A) Applications and Materials Science, 2017, 214,<br>1700233.   | 1.8 | 11        |

| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 73 | Temperature dependence of electrical characteristics for diamond Schottky-pn diode in forward bias.<br>Diamond and Related Materials, 2018, 85, 49-52.  | 3.9  | 11        |
| 74 | Characterization of Schottky Barrier Diodes on Heteroepitaxial Diamond on 3C-SiC/Si Substrates. IEEE Transactions on Electron Devices, 2020, 67, 212-216.   | 3.0  | 11        |
| 75 | Insight into Al2O3/B-doped diamond interface states with high-temperature conductance method.<br>Applied Physics Letters, 2020, 117, .  | 3.3  | 11        |
| 76 | Fabrication of inversion p-channel MOSFET with a nitrogen-doped diamond body. Applied Physics Letters, 2021, 119, .   | 3.3  | 11        |
| 77 | Pressure-induced structural phase transition of CdS microcrystals studied by raman scattering.<br>Journal of Physics and Chemistry of Solids, 1995, 56, 491-494.                                    | 4.0  | 10        |
| 78 | Structural phase transition of CdS microcrystals embedded in glassy matrix under high pressure.<br>Journal of Physics Condensed Matter, 1998, 10, 10919-10930.                                      | 1.8  | 10        |
| 79 | Isotope effects between hydrogen and deuterium microwave plasmas on chemical vapor deposition homoepitaxial diamond growth. Journal of Applied Physics, 2007, 101, 103501.                          | 2.5  | 10        |
| 80 | Electron emission from CVD diamond p–i–n junctions with negative electron affinity during room<br>temperature operation. Diamond and Related Materials, 2011, 20, 917-921.                          | 3.9  | 10        |
| 81 | Analysis of selective growth of n-type diamond in lateral p–n junction diodes by cross-sectional transmission electron microscopy. Japanese Journal of Applied Physics, 2014, 53, 05FP01.           | 1.5  | 10        |
| 82 | Dynamic properties of diamond high voltage p–i–n diodes. Japanese Journal of Applied Physics, 2017, 56,<br>04CR14.  | 1.5  | 10        |
| 83 | Charge-state control of ensemble of nitrogen vacancy centers by n–i–n diamond junctions. Applied<br>Physics Express, 2018, 11, 033004.  | 2.4  | 10        |
| 84 | Inversion channel MOSFET on heteroepitaxially grown free-standing diamond. Carbon, 2021, 175, 615-619.  | 10.3 | 9         |
| 85 | Characterization of Field Emission from Nano-Scale Diamond Tip Arrays. Japanese Journal of Applied<br>Physics, 2005, 44, L385-L387.   | 1.5  | 8         |
| 86 | Electrical characterization of homoepitaxial diamond p–n+ junction. Diamond and Related Materials,<br>2005, 14, 1995-1998.  | 3.9  | 8         |
| 87 | Exciton-derived Electron Emission from (001) Diamond <i>p</i> – <i>n</i> Junction Diodes with Negative<br>Electron Affinity. Applied Physics Express, 2008, 1, 015004.                              | 2.4  | 8         |
| 88 | Electroluminescence of monodispersed silicon nanocrystallites synthesized by pulsed laser ablation in inert background gas. Applied Surface Science, 2002, 197-198, 594-597.                        | 6.1  | 7         |
| 89 | Correlation between surface oxide and photoluminescence properties of Si nanoparticles prepared by pulsed laser ablation. Applied Physics A: Materials Science and Processing, 2004, 79, 1545-1547. | 2.3  | 7         |
| 90 | Recombination process of CdS quantum dot covered by novel polymer chains. Physica E:<br>Low-Dimensional Systems and Nanostructures, 2004, 21, 1102-1105.  | 2.7  | 7         |

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| 91  | Polarizationâ€controlled dressedâ€photon–phonon etching of patterned diamond structures. Physica<br>Status Solidi (A) Applications and Materials Science, 2014, 211, 2339-2342.   | 1.8 | 7         |
| 92  | Fabrication of diamond lateral p–n junction diodes on (111) substrates. Physica Status Solidi (A)<br>Applications and Materials Science, 2015, 212, 2548-2552.  | 1.8 | 7         |
| 93  | Microstructures of dome-shaped hillocks formed on B doped CVD homoepitaxial diamond films.<br>Diamond and Related Materials, 2019, 97, 107422.  | 3.9 | 7         |
| 94  | Reaction between nitrogen gas and silicon species during pulsed laser ablation. Journal of Vacuum<br>Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1680-1682.   | 2.1 | 6         |
| 95  | Electron emission by current injection from nâ€ŧype diamond film surface with negative electron<br>affinity. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 2093-2098.  | 1.8 | 6         |
| 96  | Device Design of Diamond Schottky-pn Diode for Low-Loss Power Electronics. Japanese Journal of<br>Applied Physics, 2012, 51, 090116.  | 1.5 | 6         |
| 97  | Maskless Selective Growth Method for p–n Junction Applications on (001)-Oriented Diamond. Japanese<br>Journal of Applied Physics, 2012, 51, 090118.   | 1.5 | 6         |
| 98  | Charge transport properties of intrinsic layer in diamond vertical pin diode. Applied Physics Letters, 2017, 110, .   | 3.3 | 6         |
| 99  | Observation of Interface Defects in Diamond Lateral p-n-Junction Diodes and Their Effect on Reverse<br>Leakage Current. IEEE Transactions on Electron Devices, 2017, 64, 3298-3302.   | 3.0 | 6         |
| 100 | Pressure Effects on CdS Microcrystals Embedded in Germanate Glasses. Japanese Journal of Applied<br>Physics, 1993, 32, 297.   | 1.5 | 6         |
| 101 | Diamond Schottky barrier diodes with low specific on-resistance. Semiconductor Science and Technology, 2005, 20, 1203-1206.   | 2.0 | 5         |
| 102 | Carrier transport of diamond p <sup>+</sup> â€iâ€n <sup>+</sup> junction diode fabricated using<br>lowâ€resistance hopping p <sup>+</sup> and n <sup>+</sup> layers. Physica Status Solidi (A) Applications<br>and Materials Science, 2011, 208, 937-942. | 1.8 | 5         |
| 103 | Conductive-probe atomic force microscopy and Kelvin-probe force microscopy characterization of<br>OH-terminated diamond (111) surfaces with step-terrace structures. Japanese Journal of Applied<br>Physics, 2019, 58, SIIB08.                            | 1.5 | 5         |
| 104 | Carrier transport mechanism of diamond p <sup>+</sup> –n junction at low temperature using<br>Schottky–pn junction structure. Japanese Journal of Applied Physics, 2021, 60, 030905.  | 1.5 | 5         |
| 105 | Device Design of Diamond Schottky-pn Diode for Low-Loss Power Electronics. Japanese Journal of<br>Applied Physics, 2012, 51, 090116.  | 1.5 | 5         |
| 106 | Maskless Selective Growth Method for p–n Junction Applications on (001)-Oriented Diamond. Japanese<br>Journal of Applied Physics, 2012, 51, 090118.   | 1.5 | 5         |
| 107 | Growth and characterization of boron-doped CVD homoepitaxial diamond films. Journal of Crystal<br>Growth, 2007, 299, 235-242.   | 1.5 | 4         |
| 108 | Unique temperature dependence of deep ultraviolet emission intensity for diamond light emitting<br>diodes. Japanese Journal of Applied Physics, 2014, 53, 05FP02.   | 1.5 | 4         |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | Reverseâ€recovery of diamond pâ€iâ€n diodes. IET Power Electronics, 2018, 11, 695-699.   | 2.1 | 4         |
| 110 | Temperature dependence of diamond MOSFET transport properties. Japanese Journal of Applied Physics, 2020, 59, SGGD19.  | 1.5 | 4         |
| 111 | <title>Semiconductor nanocrystallite formation using inert gas ambient pulsed laser ablation and its application to light-emitting devices</title> . , 1999, 3618, 465.  |     | 3         |
| 112 | Study of ion-implanted nitrogen related defects in diamond Schottky barrier diode by transient<br>photocapacitance and photoluminescence spectroscopy. Japanese Journal of Applied Physics, 2021, 60,<br>SBBD07. | 1.5 | 3         |
| 113 | Effects of annealing on luminescence properties of Si nanocrystallites prepared by pulsed laser ablation in inert gas. Materials Science and Engineering C, 2001, 15, 129-131.                                   | 7.3 | 2         |
| 114 | <title>Synthesis of quantum nanostructures composed of monodispersed silicon nanoparticles and indium oxide thin films using pulsed laser ablation</title> . , 2002, 4636, 97.                                   |     | 2         |
| 115 | n-Type Diamond Growth by Phosphorus Doping. Materials Research Society Symposia Proceedings,<br>2007, 1039, 1.   | 0.1 | 2         |
| 116 | Optoelectronic Devices Using Homoepitaxial Diamond p-n and p-i-n Junctions. , 2009, , 379-398.   |     | 2         |
| 117 | Diamond electronics. , 2016, , .   |     | 2         |
| 118 | Study of defects in diamond Schottky barrier diode by photocurrent spectroscopy. Japanese Journal of Applied Physics, 2020, 59, SGGK14.  | 1.5 | 2         |
| 119 | Distinguishing dislocation densities in intrinsic layers of pin diamond diodes using two photon-excited photoluminescence imaging. Diamond and Related Materials, 2021, 117, 108463.                             | 3.9 | 2         |
| 120 | <title>Crystallinities and light-emitting properties of nanostructured SiGe alloy prepared by pulsed laser ablation in inert background gases</title> . , 1999, 3618, 512.                                       |     | 1         |
| 121 | Silicon Nanocrystallite Light Emitting Devices Fabricated by Full Pulsed-Laser-Ablation Process.<br>Materials Research Society Symposia Proceedings, 2000, 638, 1.   | 0.1 | 1         |
| 122 | Background gas effects on structural properties in thin films deposited by pulsed laser deposition. , 2002, , .  |     | 1         |
| 123 | Potential profile evaluation of a diamond lateral p–n junction diode using Kelvin probe force<br>microscopy. Physica Status Solidi (A) Applications and Materials Science, 2015, 212, 2589-2594.                 | 1.8 | 1         |
| 124 | Determination of Current Leakage Sites in Diamond p–n Junction. Physica Status Solidi (A) Applications<br>and Materials Science, 2019, 216, 1900243.   | 1.8 | 1         |
| 125 | Charge state control by band engineering. Semiconductors and Semimetals, 2020, 103, 137-159.   | 0.7 | 1         |
| 126 | Selectively buried growth of heavily B doped diamond layers with step-free surfaces in N doped diamond (111) by homoepitaxial lateral growth. Applied Surface Science, 2022, , 153340.                           | 6.1 | 1         |

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|-----|--|-----|-----------|
| 127 | Scanning diamond NV center magnetometer probe fabricated by laser cutting and focused ion beam milling. Journal of Applied Physics, 2021, 130, .                 | 2.5 | 1         |
| 128 | Mechanisms of Visible Photoluminescence from Size-Controlled Silicon Nanoparticles. Materials<br>Research Society Symposia Proceedings, 2002, 737, 325.          | 0.1 | 0         |
| 129 | Correlation between electronic structure and chemical bond on the surface of hydrogenated silicon nanocrystallites. AIP Conference Proceedings, 2005, , .        | 0.4 | 0         |
| 130 | Preparation of surface controlled silicon nanocrystallites by pulsed laser ablation. AIP Conference Proceedings, 2005, , .                                       | 0.4 | 0         |
| 131 | Electron Emission from Diamond (111) p+-i-n+ Junction Diode. Materials Research Society Symposia<br>Proceedings, 2009, 1203, 1.                                  | 0.1 | 0         |
| 132 | Single photon, spin, and charge in diamond semiconductor at room temperature. , 2013, , .  |     | 0         |
| 133 | Electron emission from nitrogen-containing diamond with narrow-gap coplanar electrodes. Japanese<br>Journal of Applied Physics, 2014, 53, 05FP08.                | 1.5 | 0         |
| 134 | Investigation of electron emission site of p–i–n diode-type emitters with negative electron affinity.<br>Japanese Journal of Applied Physics, 2014, 53, 05FP07.  | 1.5 | 0         |
| 135 | Laser Processing for Fabrication of Silicon Nanoparticles and Quantum Dot Functional Structures.<br>The Review of Laser Engineering, 2003, 31, 548-551.          | 0.0 | 0         |
| 136 | Optical Properties and Structural Changes in Semiconductor Fine Particles. Springer Series in Cluster<br>Physics, 1999, , 19-30.                                 | 0.3 | 0         |
| 137 | Defect luminescence in Diamond and GaN: towards single photon emitting devices. , 2016, , .  |     | 0         |
| 138 | Optically detected magnetic resonance of nitrogen-vacancy centers in vertical diamond Schottky<br>diodes. Japanese Journal of Applied Physics, 2022, 61, SC1061. | 1.5 | 0         |