Jeffrey C Mccallum

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Storing quantum information for 30 seconds in a nanoelectronic device. Nature Nanotechnology, 2014, 9, 986-991. | 31.5 | 513 |
| 2 | A review on single photon sources in silicon carbide. Reports on Progress in Physics, 2017, 80, 034502. | 20.1 | 163 |
| 3 | Single-photon emitting diode in silicon carbide. Nature Communications, 2015, 6, 7783. | 12.8 | 162 |
| 4 | Optical addressing of an individual erbium ion in silicon. Nature, 2013, 497, 91-94. | 27.8 | 149 |
| 5 | Two-Level Ultrabright Single Photon Emission from Diamond Nanocrystals. Nano Letters, 2009, 9, 3191-3195. | 9.1 | 132 |
| 6 | Electrically controlling single-spin qubits in a continuous microwave field. Science Advances, 2015, 1, e1500022. | 10.3 | 125 |
| 7 | Quantifying the quantum gate fidelity of single-atom spin qubits in silicon by randomized benchmarking. Journal of Physics Condensed Matter, 2015, 27, 154205. | 1.8 | 107 |
| 8 | Chromium single-photon emitters in diamond fabricated by ion implantation. Physical Review B, 2010, 81, . | 3.2 | 97 |
| 9 | Nanomechanical Sensing Using Spins in Diamond. Nano Letters, 2017, 17, 1496-1503. | 9.1 | 95 |
| 10 | Size dependence of structural stability in nanocrystalline diamond. Physical Review B, 2000, 62, R16360-R16363. | 3.2 | 86 |
| 11 | Electrically detected magnetic resonance in ion-implanted Si:P nanostructures. Applied Physics Letters, 2006, 89, 182115. | 3.3 | 81 |
| 12 | Coherent electrical control of a single high-spin nucleus in silicon. Nature, 2020, 579, 205-209. | 27.8 | 79 |
| 13 | Spatial mapping of band bending in semiconductor devices using in situ quantum sensors. Nature Electronics, 2018, 1, 502-507. | 26.0 | 77 |
| 14 | Tunable optical antennas enabled by the phase transition in vanadium dioxide. Optics Express, 2013, 21, 27503. | 3.4 | 66 |
| 15 | A dressed spin qubit in silicon. Nature Nanotechnology, 2017, 12, 61-66. | 31.5 | 62 |
| 16 | Single atom devices by ion implantation. Journal of Physics Condensed Matter, 2015, 27, 154204. | 1.8 | 61 |
| 17 | Progress in silicon-based quantum computing. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2003, 361, 1451-1471. | 3.4 | 60 |
| 18 | Stimulated emission from nitrogen-vacancy centres in diamond. Nature Communications, 2017, 8, 14000. | 12.8 | 60 |

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|----|--|------|-----------|
| 19 | Bell's inequality violation with spins in silicon. Nature Nanotechnology, 2016, 11, 242-246. | 31.5 | 56 |
| 20 | Microscopic Imaging of the Stress Tensor in Diamond Using in Situ Quantum Sensors. Nano Letters, 2019, 19, 4543-4550. | 9.1 | 51 |
| 21 | Intrinsic and dopant-enhanced solid-phase epitaxy in amorphous germanium. Physical Review B, 2008, 77, . | 3.2 | 47 |
| 22 | Activation and control of visible single defects in 4H-, 6H-, and 3C-SiC by oxidation. Applied Physics Letters, 2016, 108, . | 3.3 | 45 |
| 23 | Strong and Tunable Spin–Orbit Coupling in a Two-Dimensional Hole Gas in Ionic-Liquid Gated Diamond Devices. Nano Letters, 2016, 16, 3768-3773. | 9.1 | 45 |
| 24 | Engineering long spin coherence times of spin–orbit qubits in silicon. Nature Materials, 2021, 20, 38-42. | 27.5 | 40 |
| 25 | Integration of Single-Photon Emitters into 3C-SiC Microdisk Resonators. ACS Photonics, 2017, 4, 462-468. | 6.6 | 37 |
| 26 | Dopant-enhanced solid-phase epitaxy in buried amorphous silicon layers. Physical Review B, 2007, 76, . | 3.2 | 36 |
| 27 | Channeling contrast microscopy: Application to semiconductor structures. Applied Physics Letters, 1983, 42, 827-829. | 3.3 | 33 |
| 28 | Hydrogen catalyzed crystallization of strontium titanate. Journal of Applied Physics, 1994, 76, 2711-2718. | 2.5 | 33 |
| 29 | The effect of annealing environments on the epitaxial recrystallization of ion-beam-amorphized SrTiO ₃ . Journal of Materials Research, 1992, 7, 717-724. | 2.6 | 32 |
| 30 | Diamond nanocrystals formed by direct implantation of fused silica with carbon. Journal of Applied Physics, 2001, 90, 3007-3018. | 2.5 | 32 |
| 31 | Structural differences between the glass state and ion-beam-amorphized states of lead pyrophosphate. Journal of Non-Crystalline Solids, 1990, 126, 179-193. | 3.1 | 31 |
| 32 | Engineering chromium-related single photon emitters in single crystal diamonds. New Journal of Physics, 2011, 13, 045015. | 2.9 | 31 |
| 33 | Breaking the rotating wave approximation for a strongly driven dressed single-electron spin. Physical Review B, 2016, 94, . | 3.2 | 31 |
| 34 | A single-atom quantum memory in silicon. Quantum Science and Technology, 2017, 2, 015009. | 5.8 | 30 |
| 35 | MoO3 induces p-type surface conductivity by surface transfer doping in diamond. Applied Surface Science, 2020, 509, 144890. | 6.1 | 30 |
| 36 | Au-rich filamentary behavior and associated subband gap optical absorption in hyperdoped Si. Physical Review Materials, 2017, 1, . | 2.4 | 29 |

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|----|--|------|-----------|
| 37 | Optical switching and photoluminescence in erbium-implanted vanadium dioxide thin films. Journal of Applied Physics, 2014, 115, . | 2.5 | 28 |
| 38 | Evidence for the <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"><mml:mi mathvariant="bold">R</mml:mi><mml:mn>8</mml:mn></mml:math> Phase of Germanium. Physical Review Letters, 2013, 110, 085502. | 7.8 | 27 |
| 39 | Deterministic doping. Materials Science in Semiconductor Processing, 2017, 62, 23-30. | 4.0 | 26 |
| 40 | Structural inequivalence of the ion-damage–produced amorphous state and the glass state in lead pyrophosphate. Physical Review Letters, 1989, 62, 1138-1141. | 7.8 | 25 |
| 41 | Microstructural and chemical effects in Al ₂ O ₃ implanted with iron at 77 K and annealed in oxidizing or reducing atmospheres. Journal of Materials Research, 1991, 6, 2160-2177. | 2.6 | 25 |
| 42 | Hardness and elastic modulus of zircon as a function of heavy-particle irradiation dose:. Radiation Effects and Defects in Solids, 1994, 132, 131-141. | 1.2 | 25 |
| 43 | Colloidal Au and Ag precipitates formed in Al2O3 by ion implantation and annealing. Scripta Materialia, 1993, 3, 447-457. | 0.5 | 24 |
| 44 | High-fidelity adiabatic inversion of a ³¹ P electron spin qubit in natural silicon. Applied Physics Letters, 2014, 104, 092115. | 3.3 | 24 |
| 45 | Temperature dependence of Raman scattering from the high-pressure phases of Si induced by indentation. Physical Review B, 2011, 83, . | 3.2 | 23 |
| 46 | Kinetics of solid phase epitaxy in buried amorphous Si layers formed by MeV ion implantation. Applied Physics Letters, 1996, 69, 925-927. | 3.3 | 22 |
| 47 | Electron spin relaxation of single phosphorus donors in metal-oxide-semiconductor nanoscale devices. Physical Review B, 2019, 99, . | 3.2 | 22 |
| 48 | Surface damage on diamond membranes fabricated by ion implantation and lift-off. Applied Physics Letters, 2011, 98, . | 3.3 | 20 |
| 49 | Formation of an r8-Dominant Si Material. Physical Review Letters, 2019, 122, 105701. | 7.8 | 19 |
| 50 | Controllable freezing of the nuclear spin bath in a single-atom spin qubit. Science Advances, 2020, 6, . | 10.3 | 19 |
| 51 | Chemically stabilised ion implanted waveguides in sapphire. Electronics Letters, 1990, 26, 1193. | 1.0 | 18 |
| 52 | G-factor and well width variations for the two-dimensional hole gas in surface conducting diamond. Applied Physics Letters, 2018, 112, . | 3.3 | 18 |
| 53 | Instability of nanocavities in amorphous silicon. Applied Physics Letters, 1999, 74, 2313-2315. | 3.3 | 17 |
| 54 | Exploring quantum chaos with a single nuclear spin. Physical Review E, 2018, 98, . | 2.1 | 17 |

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|----|--|------|-----------|
| 55 | Single Rare-Earth Ions as Atomic-Scale Probes in Ultrascaled Transistors. Nano Letters, 2019, 19, 5025-5030. | 9.1 | 16 |
| 56 | Deterministic Shallow Dopant Implantation in Silicon with Detection Confidence Upperâ€Bound to 99.85% by Ion–Solid Interactions. Advanced Materials, 2022, 34, e2103235. | 21.0 | 16 |
| 57 | Formation of Ti3+ in sapphire by co-implantation of Ti and O ions. Applied Physics Letters, 2000, 76, 424-426. | 3.3 | 15 |
| 58 | Single-Ion Implantation for the Development of Si-Based MOSFET Devices with Quantum Functionalities. Advances in Materials Science and Engineering, 2012, 2012, 1-10. | 1.8 | 15 |
| 59 | Coherent control via weak measurements in P31 single-atom electron and nuclear spin qubits. Physical Review B, 2018, 98, . | 3.2 | 15 |
| 60 | Palladium forms Ohmic contact on hydrogen-terminated diamond down to 4 K. Applied Physics Letters, 2020, 116, . | 3.3 | 14 |
| 61 | High-electron-affinity oxide V2O5 enhances surface transfer doping on hydrogen-terminated diamond. Diamond and Related Materials, 2020, 108, 107865. | 3.9 | 14 |
| 62 | Kinetics of arsenic-enhanced solid phase epitaxy in silicon. Journal of Applied Physics, 2004, 95, 4427-4431. | 2.5 | 13 |
| 63 | Donor activation and damage in Si–SiO2from low-dose, low-energy ion implantation studied via electrical transport in MOSFETs. Semiconductor Science and Technology, 2005, 20, 363-368. | 2.0 | 13 |
| 64 | Effect of boron on interstitial-related luminescence centers in silicon. Applied Physics Letters, 2010, 96, 051906. | 3.3 | 13 |
| 65 | Optical and electronic properties of sub-surface conducting layers in diamond created by MeV B-implantation at elevated temperatures. Journal of Applied Physics, 2016, 119, 223902. | 2.5 | 13 |
| 66 | Donor-based qubits for quantum computing in silicon. Applied Physics Reviews, 2021, 8, . | 11.3 | 13 |
| 67 | Ion implantation and thermal annealing of single crystals of the type YBa2Cu3Ox. Materials Letters, 1988, 6, 374-378. | 2.6 | 11 |
| 68 | Electronic damage in the ion-beam amorphization ofPb2P2O7. Physical Review B, 1992, 46, 3215-3218. | 3.2 | 11 |
| 69 | Controlled deterministic implantation by nanostencil lithography at the limit of ion-aperture straggling. Nanotechnology, 2013, 24, 145304. | 2.6 | 11 |
| 70 | Micro-concave waveguide antenna for high photon extraction from nitrogen vacancy centers in nanodiamond. Scientific Reports, 2015, 5, 12013. | 3.3 | 11 |
| 71 | Solid-Phase Epitaxy. , 2015, , 317-363. | | 11 |
| 72 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> <mml:mi>g</mml:mi> </mml:math> -factor and well-width fluctuations as a function of carrier density in the two-dimensional hole accumulation layer of transfer-doped diamond. Physical Review B, 2019, 99, . | 3.2 | 11 |

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|----|---|------|-----------|
| 73 | Strong spin-orbit interaction induced by transition metal oxides at the surface of hydrogen-terminated diamond. Carbon, 2020, 164, 244-250. | 10.3 | 11 |
| 74 | Annealingâ€environment effects in the epitaxial regrowth of ionâ€beamâ€amorphized layers on CaTiO3. Journal of Applied Physics, 1995, 78, 1519-1527. | 2.5 | 10 |
| 75 | Intrinsic and boron-enhanced hydrogen diffusion in amorphous silicon formed by ion implantation. Applied Physics Letters, 2009, 95, 101911. | 3.3 | 10 |
| 76 | Infrared erbium photoluminescence enhancement in silicon carbide nano-pillars. Journal of Applied Physics, 2021, 130, . | 2.5 | 10 |
| 77 | Dopant enhanced H diffusion in amorphous silicon and its effect on the kinetics of solid phase epitaxy. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2009, 157, 6-10. | 3.5 | 9 |
| 78 | Dopant effects on solid phase epitaxy in silicon and germanium. Journal of Applied Physics, 2012, 111, . | 2.5 | 9 |
| 79 | Atomic transport during solid-phase epitaxial recrystallization of amorphous germanium. Applied Physics Letters, 2015, 107, . | 3.3 | 8 |
| 80 | Thermal evolution of the indentation-induced phases of silicon. Journal of Applied Physics, 2019, 126, . | 2.5 | 8 |
| 81 | Ion Implantation Through Thin Silicon Dioxide Layers for Si-based Solid-State Quantum Computer Device Development. Materials Research Society Symposia Proceedings, 2008, 1074, 1. | 0.1 | 7 |
| 82 | Lattice location of nickel in diamond by RBS channelling and PIXE. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 42-46. | 1.8 | 7 |
| 83 | Fabrication and characterization of PECVD silicon nitride for RF MEMS applications. Microsystem Technologies, 2013, 19, 131-136. | 2.0 | 7 |
| 84 | Creation and Functionalization of Defects in SiC by Proton Beam Writing. Materials Science Forum, 2017, 897, 233-237. | 0.3 | 7 |
| 85 | Irradiation-Induced Modification of the Superconducting Properties of Heavily-Boron-Doped Diamond. Physical Review Applied, 2018, 10, . | 3.8 | 7 |
| 86 | Helium Microprobe Analysis of Semiconductor Materials. IEEE Transactions on Nuclear Science, 1983, 30, 1228-1231. | 2.0 | 6 |
| 87 | Ion-channeling and Raman scattering study of damage accumulation in silicon. Journal of Applied Physics, 2004, 95, 1096-1101. | 2.5 | 6 |
| 88 | Modeling the effect of hydrogen infiltration on the asymmetry in arsenic-enhanced solid phase epitaxy in silicon. Journal of Applied Physics, 2004, 96, 2381-2385. | 2.5 | 6 |
| 89 | Deep level transient spectroscopy study for the development of ion-implanted silicon field-effect transistors for spin-dependent transport. Thin Solid Films, 2010, 518, 2524-2527. | 1.8 | 6 |
| 90 | High-resolution spectroscopy of individual erbium ions in strong magnetic fields. Physical Review B, 2020, 102, . | 3.2 | 6 |

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| 91 | Engineering the spin–orbit interaction in surface conducting diamond with a solid-state gate dielectric. Applied Physics Letters, 2020, 116, . | 3.3 | 6 |
| 92 | Scanned Single-Electron Probe inside a Silicon Electronic Device. ACS Nano, 2020, 14, 9449-9455. | 14.6 | 6 |
| 93 | Hydrogen-Terminated Diamond MOSFETs Using Ultrathin Glassy Ga ₂ O ₃ Dielectric Formed by Low-Temperature Liquid Metal Printing Method. ACS Applied Electronic Materials, 2022, 4, 2272-2280. | 4.3 | 6 |
| 94 | Defect formation due to the crystallization of deep amorphous volumes formed in silicon by mega electron volt (MeV) ion implantation. Journal of Materials Research, 2001, 16, 3229-3237. | 2.6 | 5 |
| 95 | Hydrogen in amorphous Si and Ge during solid phase epitaxy. Thin Solid Films, 2010, 518, 2317-2322. | 1.8 | 5 |
| 96 | Hydrogen refinement during solid phase epitaxy of buried amorphous silicon layers. Journal of Applied Physics, 2010, 108, . | 2.5 | 5 |
| 97 | Epitaxial Formation of SiC on (100) Diamond. ACS Applied Electronic Materials, 2020, 2, 2003-2009. | 4.3 | 5 |
| 98 | Surface transfer doping of diamond using solution-processed molybdenum trioxide. Carbon, 2021, 175, 20-26. | 10.3 | 5 |
| 99 | Correlation between electronic micro-roughness and surface topography in two-dimensional surface conducting hydrogen-terminated diamond. Diamond and Related Materials, 2021, 116, 108377. | 3.9 | 5 |
| 100 | Activation and electron spin resonance of near-surface implanted bismuth donors in silicon. Physical Review Materials, 2019, 3, . | 2.4 | 5 |
| 101 | Zeeman and hyperfine interactions of a single <mmi:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mmi:mmultiscripts><mmi:mi>Er</mmi:mi><mmi:none /><mmi:mrow><mmi:mn>3+</mmi:mn></mmi:mrow><mmi:mprescripts /><mmi:none></mmi:none><mmi:mn>167</mmi:mn></mmi:mprescripts </mmi:none </mmi:mmultiscripts> ion in Si. Physical Review B,</mmi:math | 3.2 | 5 |
| 102 | Kinetics of Intrinsic and Dopant-Enhanced Solid Phase Epitaxy in Buried Amorphous Si Layers. Materials Research Society Symposia Proceedings, 1996, 438, 119. | 0.1 | 4 |
| 103 | Surface morphological structures in ultra-high-dose self-implanted silicon. Applied Physics Letters, 1998, 73, 1811-1813. | 3.3 | 4 |
| 104 | Conditions for the formation of Ti3+ by ion implantation of a-axis α-Al2O3. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 106, 257-262. | 3.5 | 4 |
| 105 | Cathodoluminescence microanalysis of diamond nanocrystals in fused silicon dioxide. Journal of Applied Physics, 2008, 104, 113514. | 2.5 | 4 |
| 106 | Microstructure evolution in carbon-ion implanted sapphire. Journal of Applied Physics, 2010, 107, 023508. | 2.5 | 4 |
| 107 | Investigation of charge carrier trapping in H-terminated diamond devices. Applied Physics Letters, 2020, 117, 143507. | 3.3 | 4 |
| 108 | Dopant effects on the photoluminescence of interstitial-related centers in ion implanted silicon. Journal of Applied Physics, 2012, 111, 094910. | 2.5 | 3 |

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|-----|--|----------|-----------|
| 109 | Vanadium dioxide thickness effects on tunable optical antennas. Proceedings of SPIE, 2013, , . | 0.8 | 3 |
| 110 | Erbium-doped slot waveguides containing size-controlled silicon nanocrystals. Journal of Applied Physics, 2015, 117, 163106. | 2.5 | 3 |
| 111 | Deep level transient spectroscopy study of heavy ion implantation induced defects in silicon. Journal of Applied Physics, 2018, 124, . | 2.5 | 3 |
| 112 | Isotopic enrichment of silicon by high fluence <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mrow /><mml:mn>28</mml:mn></mml:mrow </mml:msup><mml:msup><mml:mtext>Si</mml:mtext><mml:mo>â^'</mml:mo>ion implantation. Physical Review Materials, 2021, 5, .</mml:msup></mml:mrow></mml:math | ml:msup> | |
| 113 | MeV Helium Microbeam Analysis: Applications to Semiconductor Structures. Materials Research Society Symposia Proceedings, 1985, 48, 403. | 0.1 | 2 |
| 114 | Channeling Contrast Microscopy: A Powerful Tool for Examining Semiconductor Structures. Materials Research Society Symposia Proceedings, 1986, 69, 305. | 0.1 | 2 |
| 115 | Structural Analysis of Amorphous Phosphates Using High Performance Liquid Chromatography. Materials Research Society Symposia Proceedings, 1993, 321, 13. | 0.1 | 2 |
| 116 | Effect of boron on formation of interstitialâ€related luminescence centres in ion implanted silicon. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 620-623. | 1.8 | 2 |
| 117 | Ultrashallow Junction Electrodes in Low-Loss Silicon Microring Resonators. Physical Review Applied, 2021, 15, . | 3.8 | 2 |
| 118 | Single site optical spectroscopy of coupled Er ³⁺ ion pairs in silicon. Quantum Science and Technology, 2022, 7, 025019. | 5.8 | 2 |
| 119 | Valley population of donor states in highly strained silicon. Materials for Quantum Technology, 2022, 2, 025002. | 3.1 | 2 |
| 120 | Modeling of Hydrogen Diffusion And Segregation in Amorphous Silicon During Solid Phase Epitaxy. ECS Transactions, 2010, 33, 157-164. | 0.5 | 1 |
| 121 | Comparison between implanted boron and phosphorus in silicon wafers , 2010, , . | | 1 |
| 122 | Solid phase epitaxial regrowth of germanium containing nanoporous structures formed by ion implantation. , 2014, , . | | 1 |
| 123 | Deterministic Shallow Dopant Implantation in Silicon with Detection Confidence Upperâ€Bound to 99.85% by Ion–Solid Interactions (Adv. Mater. 3/2022). Advanced Materials, 2022, 34, . | 21.0 | 1 |
| 124 | Kinetics of Intrinsic and Dopant-Enhanced Solid Phase Epitaxy in Buried Amorphous Si Layers. Materials Research Society Symposia Proceedings, 1996, 439, 137. | 0.1 | 0 |
| 125 | Microstructure of Ultra High Dose Self Implanted Silicon. Materials Research Society Symposia Proceedings, 1997, 504, 27. | 0.1 | 0 |
| 126 | Defective Crystal Recovered from the Crystallization of Potassium-Doped Amorphous Silicon Films. Journal of the Electrochemical Society, 2003, 150, G266. | 2.9 | 0 |

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|-----|---|-----|-----------|
| 127 | Formation of Ti:sapphire via high-temperature processing of Ti-implanted sapphire crystals. , 2004, 5277, 375. | | 0 |
| 128 | Formation of carbon nanoclusters by implantation of keV carbon ions in fused silica followed by thermal annealing. , 2005, 5650, 35. | | 0 |
| 129 | Dislocation related band-edge photoluminescence in boron-implanted silicon. , 2008, , . | | 0 |
| 130 | Boron Enhanced H Diffusion in Amorphous Si Formed by Ion Implantation. Materials Research Society Symposia Proceedings, 2008, 1070, 1. | 0.1 | 0 |
| 131 | Intrinsic and Dopant-Enhanced Solid Phase Epitaxy in Amorphous Germanium. Materials Research Society Symposia Proceedings, 2008, 1070, 1. | 0.1 | 0 |
| 132 | Deep-level transient spectroscopy study of channelled boron implantation in silicon , 2010, , . | | 0 |
| 133 | Recent Insights In Solid Phase Epitaxy of Silicon and Germanium. ECS Transactions, 2010, 33, 237-248. | 0.5 | 0 |
| 134 | Nickel germanide formation via solid phase epitaxial regrowth of amorphous germanium. , 2010, , . | | 0 |
| 135 | Deep level transient spectroscopy study of defects at Si/SiO <inf>2</inf> and Si/Si <inf>3</inf> N <inf>4</inf> interfaces. , 2010, , . | | 0 |
| 136 | Photoluminescense of B and P doped Si nanocrystals fabricated by ion implantation. , 2010, , . | | 0 |
| 137 | Advanced germanium devices: The development of materials and processing. , 2010, , . | | 0 |
| 138 | Activation Energy and Blistering Rate in Hydrogen-implanted Semiconductors. Materials Research Society Symposia Proceedings, 2012, 1424, 79. | 0.1 | 0 |
| 139 | Raman study on the phase transformations of the meta-stable phases of Si induced by indentation. , 2012, , . | | 0 |
| 140 | Characterisation of solid-phase-epitaxy of amorphous germanium thin-films. , 2012, , . | | 0 |
| 141 | Electrical characterisation of spin-coated a-IZO thin-film transistors. , 2012, , . | | 0 |
| 142 | Ion-implantation and analysis for doped silicon slot waveguides. , 2012, , . | | 0 |
| 143 | Ion-implantation and analysis for doped silicon slot waveguides. EPJ Web of Conferences, 2012, 35, 03002. | 0.3 | 0 |
| 144 | Optical Switching and Photoluminescence in Erbium Implanted Vanadium Dioxide Thin Films. Materials Research Society Symposia Proceedings, 2013, 1577, 1. | 0.1 | 0 |

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|-----|---|-----|-----------|
| 145 | Investigation of amorphisation of germanium using modeling and experimental processes. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 146 | Single-atom spin qubits in silicon. , 2014, , . | | 0 |
| 147 | Optical spectroscopy of erbium doped monocrystalline vanadium dioxide. , 2014, , . | | Ο |
| 148 | Development Of nanowire devices with quantum functionalities. , 2014, , . | | 0 |
| 149 | Characterization of few-layered graphene grown by carbon implantation. , 2014, , . | | Ο |
| 150 | dLow Temperature of formation of Nickel Germanide by reaction of Nickel and Crystalline Germanium. Materials Research Society Symposia Proceedings, 2014, 1655, 1. | 0.1 | 0 |
| 151 | Characterisation of nickel germanide formed on amorphous and crystalline germanium. , 2014, , . | | Ο |
| 152 | Hydrogen diffusion and segregation during solid phase epitaxial regrowth of preamorphized Si. Journal of Applied Physics, 2016, 119, 115103. | 2.5 | 0 |
| 153 | Piezoresistance in Defect-Engineered Silicon. Physical Review Applied, 2021, 15, . | 3.8 | Ο |
| 154 | Imaging with NV ensembles: beyond magnetometry. , 2019, , . | | 0 |
| 155 | Biomolecular modifications in the sacfry of Mogurnda adspersa in response to copper stress. Aquatic Toxicology, 2022, 248, 106179. | 4.0 | 0 |
| 156 | High-field magnetotransport studies of surface-conducting diamonds. Physical Review B, 2022, 105, . | 3.2 | 0 |