

# Mehran Mehregany

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7255097/publications.pdf>

Version: 2024-02-01

148  
papers

5,707  
citations

87888

38  
h-index

82547

72  
g-index

153  
all docs

153  
docs citations

153  
times ranked

3831  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Nanodevice motion at microwave frequencies. Nature, 2003, 421, 496-496.   | 27.8 | 505       |
| 2  | Silicon carbide MEMS for harsh environments. Proceedings of the IEEE, 1998, 86, 1594-1609.  | 21.3 | 393       |
| 3  | SiC MEMS: opportunities and challenges for applications in harsh environments. Thin Solid Films, 1999, 355-356, 518-524.  | 1.8  | 267       |
| 4  | Monocrystalline silicon carbide nanoelectromechanical systems. Applied Physics Letters, 2001, 78, 162-164.  | 3.3  | 263       |
| 5  | Microfabricated structures for the insitu measurement of residual stress, Young's modulus, and ultimate strain of thin films. Applied Physics Letters, 1987, 51, 241-243. | 3.3  | 261       |
| 6  | Epitaxial growth of 3C-SiC films on 4 in. diam (100) silicon wafers by atmospheric pressure chemical vapor deposition. Journal of Applied Physics, 1995, 78, 5136-5138.   | 2.5  | 234       |
| 7  | Electromechanical Computing at 500°C with Silicon Carbide. Science, 2010, 329, 1316-1318.   | 12.6 | 185       |
| 8  | Low Voltage Nanoelectromechanical Switches Based on Silicon Carbide Nanowires. Nano Letters, 2010, 10, 2891-2896.   | 9.1  | 163       |
| 9  | Microfabricated electrohydrodynamic pumps. Sensors and Actuators A: Physical, 1990, 21, 193-197.  | 4.1  | 161       |
| 10 | A SiC MEMS Resonant Strain Sensor for Harsh Environment Applications. IEEE Sensors Journal, 2007, 7, 568-576.   | 4.7  | 151       |
| 11 | Personal Navigation via High-Resolution Gait-Corrected Inertial Measurement Units. IEEE Transactions on Instrumentation and Measurement, 2010, 59, 3018-3027.             | 4.7  | 142       |
| 12 | Silicon carbide for microelectromechanical systems. International Materials Reviews, 2000, 45, 85-108.  | 19.3 | 132       |
| 13 | Mechanical properties of 3C silicon carbide. Applied Physics Letters, 1992, 60, 2992-2994.  | 3.3  | 117       |
| 14 | VHF, UHF and microwave frequency nanomechanical resonators. New Journal of Physics, 2005, 7, 247-247.   | 2.9  | 106       |
| 15 | Fabrication and testing of bulk micromachined silicon carbide piezoresistive pressure sensors for high temperature applications. IEEE Sensors Journal, 2006, 6, 316-324.  | 4.7  | 101       |
| 16 | Extreme temperature 6H-SiC JFET integrated circuit technology. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2329-2345.                        | 1.8  | 101       |
| 17 | Electrothermal tuning of Al-SiC nanomechanical resonators. Nanotechnology, 2006, 17, 1506-1511.   | 2.6  | 96        |
| 18 | Novel microstructures for the insitu measurement of mechanical properties of thin films. Journal of Applied Physics, 1987, 62, 3579-3584.                                 | 2.5  | 94        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | A silicon carbide capacitive pressure sensor for in-cylinder pressure measurement. <i>Sensors and Actuators A: Physical</i> , 2008, 145-146, 2-8.   | 4.1 | 82        |
| 20 | Principles in design and microfabrication of variable-capacitance side-drive motors. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1990, 8, 3614-3624.                | 2.1 | 78        |
| 21 | Quantitative evaluation of biaxial strain in epitaxial 3C-SiC layers on Si(100) substrates by Raman spectroscopy. <i>Journal of Applied Physics</i> , 2002, 91, 1113-1117.                              | 2.5 | 77        |
| 22 | Examination of Bulge Test for Determining Residual Stress, Young's Modulus, and Poisson's Ratio of 3C-SiC Thin Films. <i>Journal of Aerospace Engineering</i> , 2003, 16, 46-54.                        | 1.4 | 77        |
| 23 | Performance Impact of Monolayer Coating of Polysilicon Micromotors. <i>Journal of the Electrochemical Society</i> , 1995, 142, 1278-1285.   | 2.9 | 71        |
| 24 | Fabrication and testing of micromachined silicon carbide and nickel fuel atomizers for gas turbine engines. <i>Journal of Microelectromechanical Systems</i> , 1999, 8, 251-257.                        | 2.5 | 68        |
| 25 | Deposition of Polycrystalline 3C-SiC Films on 100 mm Diameter Si(100) Wafers in a Large-Volume LPCVD Furnace. <i>Electrochemical and Solid-State Letters</i> , 2002, 5, C99.                            | 2.2 | 63        |
| 26 | SiC cantilever resonators with electrothermal actuation. <i>Sensors and Actuators A: Physical</i> , 2006, 128, 376-386.   | 4.1 | 62        |
| 27 | Fabrication and characterization of polycrystalline SiC resonators. <i>IEEE Transactions on Electron Devices</i> , 2002, 49, 2323-2332.   | 3.0 | 60        |
| 28 | Anisotropic etching of silicon in hydrazine. <i>Sensors and Actuators</i> , 1988, 13, 375-390.  | 1.7 | 59        |
| 29 | Pendeo-epitaxial growth of thin films of gallium nitride and related materials and their characterization. <i>Journal of Crystal Growth</i> , 2001, 225, 134-140.                                       | 1.5 | 57        |
| 30 | Fabrication and testing of surface micromachined polycrystalline SiC micromotors. <i>IEEE Electron Device Letters</i> , 2000, 21, 164-166.  | 3.9 | 54        |
| 31 | Use of deposition pressure to control residual stress in polycrystalline SiC films. <i>Applied Physics Letters</i> , 2004, 84, 341-343.   | 3.3 | 51        |
| 32 | Polycrystalline 3C-SiC thin films deposited by dual precursor LPCVD for MEMS applications. <i>Sensors and Actuators A: Physical</i> , 2005, 119, 169-176.   | 4.1 | 48        |
| 33 | Microfabricated Shear Stress Sensors, Part 1: Design and Fabrication. <i>AIAA Journal</i> , 1999, 37, 66-72.  | 2.6 | 46        |
| 34 | Characterization of polycrystalline silicon carbide films grown by atmospheric pressure chemical vapor deposition on polycrystalline silicon. <i>Journal of Materials Research</i> , 1998, 13, 406-412. | 2.6 | 45        |
| 35 | Mechanical properties of epitaxial 3C silicon carbide thin films. <i>Journal of Microelectromechanical Systems</i> , 2005, 14, 664-672.   | 2.5 | 45        |
| 36 | Electroless plating of nickel on silicon for fabrication of high-aspect-ratio microstructures. <i>Sensors and Actuators A: Physical</i> , 1996, 56, 261-266.  | 4.1 | 41        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Measurement of residual stress and elastic modulus of polycrystalline 3C-SiC films deposited by low-pressure chemical vapor deposition. <i>Thin Solid Films</i> , 2005, 492, 195-202.  | 1.8 | 41        |
| 38 | Characterization of frequency tuning using focused ion beam platinum deposition. <i>Journal of Micromechanics and Microengineering</i> , 2007, 17, 213-219.  | 2.6 | 40        |
| 39 | Surface micromachining of polycrystalline SiC films using microfabricated molds of SiO <sub>2</sub> and polysilicon. <i>Journal of Microelectromechanical Systems</i> , 1999, 8, 237-242.  | 2.5 | 39        |
| 40 | The mechanical properties of polycrystalline 3C-SiC films grown on polysilicon substrates by atmospheric pressure chemical-vapor deposition. <i>Journal of Applied Physics</i> , 2006, 99, 044108.   | 2.5 | 36        |
| 41 | Conventional and pendeo-epitaxial growth of GaN(0001) thin films on Si(111) substrates. <i>Journal of Crystal Growth</i> , 2001, 231, 335-341.   | 1.5 | 35        |
| 42 | Mechanical properties of a 3C-SiC film between room temperature and 600°C. <i>Journal Physics D: Applied Physics</i> , 2007, 40, 3335-3342.  | 2.8 | 35        |
| 43 | Smart ice detection systems based on resonant piezoelectric transducers. <i>Sensors and Actuators A: Physical</i> , 1998, 69, 243-250.   | 4.1 | 34        |
| 44 | Mechanical integrity of polysilicon films exposed to hydrofluoric acid solutions. <i>Journal of Electronic Materials</i> , 1991, 20, 665-670.  | 2.2 | 33        |
| 45 | Surface Micromachining of Polycrystalline SiC Deposited on SiO <sub>2</sub> by APCVD. <i>Materials Science Forum</i> , 1998, 264-268, 885-888.   | 0.3 | 29        |
| 46 | Microfabricated Shear Stress Sensors, Part 2: Testing and Calibration. <i>AIAA Journal</i> , 1999, 37, 73-78.  | 2.6 | 29        |
| 47 | 550 $\mu\text{m}^2$ Integrated Logic Circuits using 6H-SiC JFETs. <i>IEEE Electron Device Letters</i> , 2012, 33, 1369-1371.   | 3.9 | 27        |
| 48 | Fully-monolithic, 600V differential amplifiers in 6H-SiC JFET IC technology. , 2009, , .   |     | 26        |
| 49 | Etching of 3C-SiC using CHF <sub>3</sub> /O <sub>2</sub> and CHF <sub>3</sub> /O <sub>2</sub> /He plasmas at 1.75 Torr. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1998, 16, 536. | 1.6 | 25        |
| 50 | Origin of the split Si-H stretch mode on hydrogen terminated 6H-SiC(0001): Titration of crystal truncation. <i>Applied Physics Letters</i> , 2002, 80, 4726-4728.  | 3.3 | 23        |
| 51 | Polycrystalline silicon-carbide surface-micromachined vertical resonators-part II: electrical testing and material property extraction. <i>Journal of Microelectromechanical Systems</i> , 2005, 14, 579-589.  | 2.5 | 22        |
| 52 | Passive Substrate Temperature Compensation of Doubly Anchored Double-Ended Tuning Forks. <i>Journal of Microelectromechanical Systems</i> , 2012, 21, 1321-1328.   | 2.5 | 22        |
| 53 | Fabrication of low defect density 3C-SiC on SiO <sub>2</sub> structures using wafer bonding techniques. <i>Journal of Electronic Materials</i> , 1998, 27, L17-L20.  | 2.2 | 21        |
| 54 | Pendeo-epitaxial growth of gallium nitride on silicon substrates. <i>Journal of Electronic Materials</i> , 2000, 29, 306-310.  | 2.2 | 21        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Development of Nickel Wire Bonding for High-Temperature Packaging of SiC Devices. IEEE Transactions on Advanced Packaging, 2009, 32, 564-574.   | 1.6 | 21        |
| 56 | Micro/Nanotribological Studies of Single-Crystal Silicon and Polysilicon and SiC Films for Use in MEMS Devices. , 1998, , 407-430.  |     | 21        |
| 57 | Performance of 3C-SiC thin films as protective coatings for silicon-micromachined atomizers. Thin Solid Films, 1998, 315, 170-178.  | 1.8 | 20        |
| 58 | 6H-SiC JFETs for 450 $^{\circ}\text{C}$ Differential Sensing Applications. Journal of Microelectromechanical Systems, 2009, 18, 950-961.  | 2.5 | 20        |
| 59 | Development of a Multilayer SiC Surface Micromachining Process with Capabilities and Design Rules Comparable to Conventional Polysilicon Surface Micromachining. Materials Science Forum, 2002, 389-393, 755-758. | 0.3 | 19        |
| 60 | Electrical properties of nickel oxide thin films for flow sensor application. Sensors and Actuators A: Physical, 2006, 125, 363-366.  | 4.1 | 19        |
| 61 | A study of electrical properties and microstructure of nitrogen-doped poly-SiC films deposited by LPCVD. Sensors and Actuators A: Physical, 2007, 136, 613-617.   | 4.1 | 19        |
| 62 | Personal navigation via shoe mounted inertial measurement units. , 2010, , .  |     | 19        |
| 63 | Polycrystalline silicon-carbide surface-micromachined vertical resonators-part I: growth study and device fabrication. Journal of Microelectromechanical Systems, 2005, 14, 567-578.                              | 2.5 | 18        |
| 64 | Silicon carbide (SiC) nanoelectromechanical switches and logic gates with long cycles and robust performance in ambient air and at high temperature. , 2013, , .  |     | 18        |
| 65 | Roughness Reduction of 3C-SiC Surfaces Using SiC-Based Mechanical Polishing Slurries. Journal of the Electrochemical Society, 1999, 146, 327-330.   | 2.9 | 17        |
| 66 | A Silicon Carbide Capacitive Pressure Sensor for High Temperature and Harsh Environment Applications. , 2007, , .   |     | 17        |
| 67 | Embedded two-phase cooling of high heat flux electronics on silicon carbide (SiC) using thin-film evaporation and an enhanced delivery system (FEEDS) manifold-microchannel cooler. , 2017, , .                   |     | 17        |
| 68 | Low Stress Polycrystalline SiC Thin Films Suitable for MEMS Applications. Journal of the Electrochemical Society, 2011, 158, H675-H680.   | 2.9 | 16        |
| 69 | Chemical Mechanical Polishing of Cubic Silicon Carbide Films Grown on Si(100) Wafers. Journal of the Electrochemical Society, 2002, 149, G643.  | 2.9 | 15        |
| 70 | A mobile wearable wireless fetal heart monitoring system. , 2011, , .   |     | 14        |
| 71 | Robust silicon carbide (SiC) nanoelectromechanical switches with long cycles in ambient and high temperature conditions. , 2013, , .  |     | 14        |
| 72 | Media compatible stainless steel capacitive pressure sensors. Sensors and Actuators A: Physical, 2013, 189, 134-142.  | 4.1 | 14        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Surface Roughness Control of 3C-SiC Films during the Epitaxial Growth Process. Journal of the Electrochemical Society, 2004, 151, G910.                                     | 2.9 | 13        |
| 74 | SiC JFET integrated circuits for sensing and control at temperatures up to 600°C. , 2012, , .   |     | 13        |
| 75 | Modelling of HREM and nanodiffraction for dislocation kinks and core reconstruction. Journal of Physics Condensed Matter, 2000, 12, 10175-10183.                            | 1.8 | 12        |
| 76 | MICROMACHINED SILICON FUEL ATOMIZERS FOR GAS TURBINE ENGINES. Atomization and Sprays, 1998, 8, 405-418.   | 0.8 | 11        |
| 77 | Growth of polycrystalline SiC films on SiO <sub>2</sub> and Si <sub>3</sub> N <sub>4</sub> by APCVD. Thin Solid Films, 1999, 355-356, 179-183.                              | 1.8 | 9         |
| 78 | Surface Micromachining: A Brief Introduction. MRS Bulletin, 2001, 26, 289-290.  | 3.5 | 9         |
| 79 | Characterization of Silicon Carbide Differential Amplifiers at High Temperature. , 2007, , .  |     | 9         |
| 80 | Stainless steel capacitive pressure sensor for high pressure and corrosive media applications. , 2010, , .  |     | 9         |
| 81 | Silicon carbide pressure sensor for high temperature and high pressure applications: Influence of substrate material on performance. , 2011, , .                            |     | 9         |
| 82 | Characterization of Thermoelectric Properties of Heavily Doped n-Type Polycrystalline Silicon Carbide Thin Films. IEEE Transactions on Electron Devices, 2013, 60, 513-517. | 3.0 | 9         |
| 83 | Dual-gate silicon carbide (SiC) lateral nanoelectromechanical switches. , 2013, , .   |     | 9         |
| 84 | Time-domain AC characterization of silicon carbide (SiC) nanoelectromechanical switches toward high-speed operations. , 2013, , .   |     | 9         |
| 85 | MEMS/NEMS Devices and Applications. , 2010, , 359-387.  |     | 9         |
| 86 | Design, fabrication, and characterization of electrostatic microrelays. , 1995, 2642, 64.   |     | 8         |
| 87 | High-aspect-ratio rotary polygon micromotor scanners. Sensors and Actuators A: Physical, 1999, 77, 73-79.   | 4.1 | 8         |
| 88 | Behaviour of Polycrystalline SiC and Si Surface-Micromachined Lateral Resonant Structures at Elevated Temperatures. Materials Science Forum, 1998, 264-268, 889-894.        | 0.3 | 6         |
| 89 | 3-D microfabricated electrodes for targeted deep brain stimulation. , 2009, 2009, 6493-6.   |     | 6         |
| 90 | A high-voltage, high-current CMOS pulse generator ASIC for deep brain stimulation. , 2010, 2010, 1519-22.   |     | 6         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 91  | Thick PECVD silicon dioxide films for MEMS devices. <i>Sensors and Actuators A: Physical</i> , 2016, 240, 1-9.   | 4.1  | 6         |
| 92  | On the stability of $\beta$ -SiC with respect to chemical disorder induced by irradiation with energetic particles. <i>Philosophical Magazine Letters</i> , 2001, 81, 55-61.                 | 1.2  | 5         |
| 93  | Characterization of Polycrystalline SiC Thin Films for MEMS Applications using Surface Micromachined Devices. <i>Materials Science Forum</i> , 2004, 457-460, 1523-1526.                     | 0.3  | 5         |
| 94  | Silicon Carbide Differential Amplifiers for High-Temperature Sensing. <i>Materials Science Forum</i> , 0, 600-603, 1083-1086.  | 0.3  | 5         |
| 95  | Nanomechanical non-volatile memory for computing at extreme. , 2013, , .   |      | 5         |
| 96  | New developments in MEMS using SiC and TiNi shape memory alloy materials. <i>Current Opinion in Solid State and Materials Science</i> , 1997, 2, 566-570.                                    | 11.5 | 4         |
| 97  | Outer-rotor polysilicon wobble micromotors. <i>Sensors and Actuators A: Physical</i> , 1998, 64, 265-271.  | 4.1  | 4         |
| 98  | High-energy femtosecond pulsed laser micromachining of thin film deposited silicon in self-focused air medium. <i>Journal of Laser Applications</i> , 2002, 14, 221-229.                     | 1.7  | 4         |
| 99  | Young's Modulus and Residual Stress of Polycrystalline 3C-SiC Films Grown by LPCVD and Measured by the Load-Deflection Technique. <i>Materials Science Forum</i> , 2004, 457-460, 1519-1522. | 0.3  | 4         |
| 100 | Advanced Processing Techniques for Silicon Carbide MEMS and NEMS. <i>Materials Science Forum</i> , 2004, 457-460, 1451-1456.   | 0.3  | 4         |
| 101 | Nitrogen-Doping of Polycrystalline 3C-SiC Films Deposited by Low Pressure Chemical Vapor Deposition. <i>Materials Science Forum</i> , 2006, 527-529, 311-314.                                | 0.3  | 4         |
| 102 | Observation of stacking faults formed during homoepitaxial growth of p-type 4H-SiC. <i>Applied Physics Letters</i> , 2009, 94, .   | 3.3  | 4         |
| 103 | Fabrication of SiC JFET-Based Monolithic Integrated Circuits. <i>Materials Science Forum</i> , 2010, 645-648, 1115-1118.   | 0.3  | 4         |
| 104 | Silicon carbide micro- and nanoelectromechanical systems. , 2004, , .  |      | 3         |
| 105 | Fabrication of hall device structures in 3C-SiC using microelectromechanical processing technology. <i>Microelectronic Engineering</i> , 2006, 83, 1396-1399.                                | 2.4  | 3         |
| 106 | A Piezoelectrically-Actuated Valve for Modulation of Liquid at High Flow Rate Under High Pressure. , 2007, , .   |      | 3         |
| 107 | Very Thin Poly-SiC Films for Micro/Nano Devices. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 3063-3067.  | 0.9  | 3         |
| 108 | Silicon carbide NEMS logic for high-temperature applications. , 2010, , .  |      | 3         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | A headband for classifying human postures. , 2010, 2010, 382-5.   |     | 3         |
| 110 | Thermal oxidation of silicon carbide: A comparison of n-type and p-type doped epitaxial layers. Applied Physics Letters, 2011, 98, 042109.  | 3.3 | 3         |
| 111 | Advances in silicon carbide micro- and nano-electro-mechanical systems fabrication technology and applications. , 2013, , .   |     | 3         |
| 112 | A Fully Monolithic 6H-SiC JFET-Based Transimpedance Amplifier for High-Temperature Capacitive Sensing. IEEE Transactions on Electron Devices, 2013, 60, 4146-4151.                  | 3.0 | 3         |
| 113 | Analysis of practical scaling limits in nanoelectromechanical switches. , 2014, , .   |     | 3         |
| 114 | DEPOSITION TECHNIQUES FOR <font>SiC</font> MEMS. , 2006, , 18-45.   |     | 3         |
| 115 | Effect of rotor slip on the gear ratio of harmonic side-drive micromotors. Sensors and Actuators A: Physical, 1993, 36, 249-254.  | 4.1 | 2         |
| 116 | Spatial Uniformity of the Mechanical Properties of 3C-SiC Films Grown on 4-Inch Si Wafers as a Function of Film Growth Conditions. Materials Science Forum, 1998, 264-268, 635-640. | 0.3 | 2         |
| 117 | MEMS/NEMS Devices and Applications. , 2004, , 225-252.  |     | 2         |
| 118 | Energy Dissipation in Folded-Beam MEMS Resonators Made from Single Crystal and Polycrystalline 3C-SiC Films. , 2007, , .  |     | 2         |
| 119 | MEMS/NEMS Devices and Applications. , 2007, , 415-442.  |     | 2         |
| 120 | Exploring Silicon Carbide For Thermal Infrared Radiators. , 2007, , .   |     | 2         |
| 121 | Material Aspects of Micro- and Nanoelectromechanical Systems. , 2010, , 333-356.  |     | 2         |
| 122 | Stainless steel capacitive pressure sensor for hostile environments: Sample-to-sample variability and reliability characterization. , 2011, , .                                     |     | 2         |
| 123 | High-temperature (&#x003E;500&#x00B0;C) reconfigurable computing using silicon carbide NEMS switches. , 2011, , .   |     | 2         |
| 124 | Characterization of Poly-SiC Pressure Sensors for High Temperature and High Pressure Applications. Materials Science Forum, 0, 717-720, 1211-1214.                                  | 0.3 | 2         |
| 125 | Surface Roughness of LPCVD Polysilicon and Its Influence on Overlying Electroless Plated Nickel. Journal of the Electrochemical Society, 1997, 144, 3589-3592.                      | 2.9 | 1         |
| 126 | Finite-Element Modeling of Residual Stress in SiC Diaphragms. Materials Research Society Symposia Proceedings, 1998, 518, 221.  | 0.1 | 1         |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | Mechanical Properties and Morphology of Polycrystalline 3C-SiC Films Deposited on Si and SiO <sub>2</sub> by LPCVD. Materials Research Society Symposia Proceedings, 2003, 795, 140.     | 0.1 | 1         |
| 128 | 6H-SiC Lateral JFETs for Analog Integrated Circuits. Materials Science Forum, 2008, 600-603, 1099-1102.  | 0.3 | 1         |
| 129 | Thickness-Dependant Electrical Characteristics of Nitrogen-Doped Polycrystalline 3C-SiC Thin Films Deposited by LPCVD. Materials Research Society Symposia Proceedings, 2009, 1222, 1.   | 0.1 | 1         |
| 130 | Fully-Integrated 6H-SiC JFET Amplifiers for High-Temperature Sensing. Materials Science Forum, 0, 645-648, 1107-1110.  | 0.3 | 1         |
| 131 | Use of Vacuum as a Gate Dielectric: The SiC VacFET. Materials Science Forum, 2011, 679-680, 657-661.   | 0.3 | 1         |
| 132 | Seebeck Coefficient of Heavily Doped Polycrystalline 3C-SiC Deposited by LPCVD. Materials Science Forum, 2012, 717-720, 541-544.   | 0.3 | 1         |
| 133 | Doped polycrystalline 3C-SiC films with low stress for MEMS: part II. Characterization using micromachined structures. Journal of Micromechanics and Microengineering, 2014, 24, 065001. | 2.6 | 1         |
| 134 | Doped polycrystalline 3C-SiC films with low stress for MEMS: part I. Deposition conditions and film properties. Journal of Micromechanics and Microengineering, 2014, 24, 035013.        | 2.6 | 1         |
| 135 | Toward ultralow-power computing at extreme with silicon carbide (SiC) nanoelectromechanical logic. , 2014, , .   |     | 1         |
| 136 | Materials Aspects of Micro- and Nanoelectromechanical Systems. , 2004, , 203-224.  |     | 1         |
| 137 | Real-Time, Model Based Algorithm Implementation for Human Posture Classification. , 2011, , .  |     | 1         |
| 138 | <title>Fabrication issues in micromachined tunable optical filters</title>. , 1995, , .  |     | 0         |
| 139 | <title>Detection and measurement of ice thickness using microprocessor-controlled resonant transducers</title>. , 1998, , .  |     | 0         |
| 140 | Micromachining techniques for silicon carbide MEMS. , 1999, , .  |     | 0         |
| 141 | A Novel Method of Fabricating SiC-On-Insulator Substrates for Use in MEMS. Materials Research Society Symposia Proceedings, 2001, 681, 1.  | 0.1 | 0         |
| 142 | Novel Polycrystalline SiC Films Containing Nanoscale Through-Pores by Selective APCVD. Materials Science Forum, 2006, 527-529, 755-758.  | 0.3 | 0         |
| 143 | Characterization of Low Stress, Undoped LPCVD Polycrystalline SiC Films for MEMS Applications. Materials Science Forum, 2006, 527-529, 1103-1106.  | 0.3 | 0         |
| 144 | Material Aspects of Micro- and Nanoelectromechanical Systems. , 2007, , 299-322.   |     | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | A Reduction of Defects in the SiO <sub>2</sub> -SiC System Using the SiC Vacuum Field-Effect Transistor (VacFET). Materials Science Forum, 2012, 717-720, 777-780. | 0.3 | 0         |
| 146 | Toward ultralow-power computing at extreme with silicon carbide (SiC) nanoelectromechanical logic. , 2014, , .   |     | 0         |
| 147 | Materials Aspects of Micro- and Nanoelectromechanical Systems. , 2004, , 203-224.  |     | 0         |
| 148 | MEMS/NEMS Devices and Applications. , 2004, , 225-252.   |     | 0         |