

Augustinas Galeckas

List of Publications by Year in descending order

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151
papers

2,788
citations

201658

27
h-index

214788

47
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151
all docs

151
docs citations

151
times ranked

3048
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of the stretched exponential photoluminescence decay from nanometer-sized silicon crystals in SiO ₂ . Journal of Applied Physics, 1999, 86, 6128-6134.	2.5	310
2	Recombination-enhanced extension of stacking faults in 4H-SiC p-i-n diodes under forward bias. Applied Physics Letters, 2002, 81, 883-885.	3.3	181
3	Zinc vacancy and oxygen interstitial in ZnO revealed by sequential annealing and electron irradiation. Physical Review B, 2012, 86, .	3.2	139
4	Auger recombination in 4H-SiC: Unusual temperature behavior. Applied Physics Letters, 1997, 71, 3269-3271.	3.3	121
5	Recombination-Induced Stacking Faults: Evidence for a General Mechanism in Hexagonal SiC. Physical Review Letters, 2006, 96, 025502.	7.8	119
6	Deep level related photoluminescence in ZnMgO. Applied Physics Letters, 2010, 97, .	3.3	71
7	Precursor-Dependent Blue-Green Photoluminescence Emission of ZnO Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 25227-25233.	3.1	60
8	Optical characterization of excess carrier lifetime and surface recombination in 4H/6H-SiC. Applied Physics Letters, 2001, 79, 365-367.	3.3	59
9	A Review of the Synthesis and Photoluminescence Properties of Hybrid ZnO and Carbon Nanomaterials. Journal of Nanomaterials, 2016, 2016, 1-12.	2.7	58
10	Electrical charge state identification and control for the silicon vacancy in 4H-SiC. Npj Quantum Information, 2019, 5, .	6.7	54
11	Understanding phase separation in ZnCdO by a combination of structural and optical analysis. Physical Review B, 2011, 83, .	3.2	52
12	One step synthesis of pure cubic and monoclinic HfO ₂ nanoparticles: Correlating the structure to the electronic properties of the two polymorphs. Journal of Applied Physics, 2012, 112, .	2.5	52
13	Unusual Photoluminescence of CaHfO ₃ and SrHfO ₃ Nanoparticles. Advanced Functional Materials, 2012, 22, 1174-1179.	14.9	52
14	Fundamental band edge absorption in nominally undoped and doped 4H-SiC. Journal of Applied Physics, 2007, 101, 123521.	2.5	46
15	Influence of graphene synthesizing techniques on the photocatalytic performance of graphene-TiO ₂ nanocomposites. Physical Chemistry Chemical Physics, 2013, 15, 15528-15537.	2.8	43
16	Combined photoluminescence-imaging and deep-level transient spectroscopy of recombination processes at stacking faults in 4H-SiC. Physical Review B, 2006, 74, .	3.2	42
17	Time-resolved photoluminescence characterization of nm-sized silicon crystallites in SiO ₂ . Thin Solid Films, 1997, 297, 167-170.	1.8	41
18	Improvement of an X-ray imaging detector based on a scintillating guides screen. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 487, 129-135.	1.6	41

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19	Cubic silicon carbide as a potential photovoltaic material. Solar Energy Materials and Solar Cells, 2016, 145, 104-108.	6.2	41
20	Application of optical emission microscopy for reliability studies in 4H-SiC p+/n+ diodes. Journal of Applied Physics, 2001, 90, 980-984.	2.5	40
21	Engineering of optically defect free Cu ₂ O enabling exciton luminescence at room temperature. Optical Materials Express, 2013, 3, 2072.	3.0	38
22	Conversion pathways of primary defects by annealing in proton-irradiated 4H-SiC. Physical Review B, 2020, 102, .	3.2	36
23	Solid-state photoelectrochemical H ₂ generation with gaseous reactants. Electrochimica Acta, 2013, 97, 320-325.	5.2	32
24	Optical activity and defect/dopant evolution in ZnO implanted with Er. Journal of Applied Physics, 2015, 118, .	2.5	30
25	Temperature Dependence of the Absorption Coefficient in 4H- and 6H-Silicon Carbide at 355 nm Laser Pumping Wavelength. Physica Status Solidi A, 2002, 191, 613-620.	1.7	29
26	Time-resolved analysis of the white photoluminescence from SiO ₂ films after Si and C coimplantation. Applied Physics Letters, 2004, 84, 25-27.	3.3	29
27	Photoluminescent cubic and monoclinic HfO ₂ nanoparticles: effects of temperature and ambient. Materials Research Express, 2014, 1, 015035.	1.6	29
28	Evaluation of Auger Recombination Rate in 4H-SiC. Materials Science Forum, 1998, 264-268, 533-536.	0.3	28
29	Free carrier absorption and lifetime mapping in 4H SiC epilayers. Journal of Applied Physics, 1997, 81, 3522-3525.	2.5	26
30	Improving carrier transport in Cu ₂ O thin films by rapid thermal annealing. Journal of Physics Condensed Matter, 2018, 30, 075702.	1.8	26
31	Tuning light absorption by band gap engineering in ZnCdO as a function of MOVPE-synthesis conditions and annealing. Journal of Crystal Growth, 2011, 315, 301-304.	1.5	25
32	On the mechanism of enhanced photocatalytic activity of composite TiO ₂ /carbon nanofilms. Applied Catalysis B: Environmental, 2011, 106, 337-342.	20.2	24
33	Radiation Silicon Carbide Detectors Based on Ion Implantation of Boron. IEEE Transactions on Nuclear Science, 2014, 61, 2105-2111.	2.0	23
34	Investigation of surface recombination and carrier lifetime in 4H/6H-SiC. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1999, 61-62, 239-243.	3.5	21
35	Carrier lifetime investigation in 4H-SiC grown by CVD and sublimation epitaxy. Materials Science in Semiconductor Processing, 2001, 4, 191-194.	4.0	21
36	Time-resolved imaging of radiative recombination in 4H-SiC p-i-n diode. Applied Physics Letters, 1999, 74, 3398-3400.	3.3	20

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37	Influence of the Interface on the Photoluminescence Properties in ZnO Carbon-Based Nanohybrids. Journal of Physical Chemistry C, 2017, 121, 14879-14887.	3.1	19
38	Ge redistribution in SiO ₂ /SiGe structures under thermal oxidation: Dynamics and predictions. Journal of Applied Physics, 2012, 111, .	2.5	18
39	Photoluminescence of reactively sputtered Ag ₂ O films. Thin Solid Films, 2013, 536, 156-159.	1.8	18
40	Structural and optical properties of polar and non-polar ZnO films grown by MOVPE. Journal of Crystal Growth, 2008, 310, 5020-5024.	1.5	17
41	One-dimensional WO ₃ and its hydrate: One-step synthesis, structural and spectroscopic characterization. Journal of Solid State Chemistry, 2012, 185, 245-252.	2.9	17
42	Self-diffusion measurements in isotopic heterostructures of undoped and in situ doped ZnO: Zinc vacancy energetics. Physical Review B, 2016, 94, .	3.2	17
43	Single dot optical spectroscopy of silicon nanocrystals: low temperature measurements. Optical Materials, 2005, 27, 973-976.	3.6	16
44	Selective nano-emitter fabricated by silver assisted chemical etch-back for multicrystalline solar cells. RSC Advances, 2013, 3, 15483.	3.6	16
45	Water Vapor Photoelectrolysis in a Solid-State Photoelectrochemical Cell with TiO ₂ Nanotubes Loaded with CdS and CdSe Nanoparticles. ACS Applied Materials & Interfaces, 2021, 13, 46875-46885.	8.0	16
46	Visible Light Driven Photocatalytic Decolorization and Disinfection of Water Employing Reduced TiO ₂ Nanopowders. Catalysts, 2021, 11, 228.	3.5	15
47	Size-reduced silicon nanowires: Fabrication and electrical characterization. Materials Science and Engineering C, 2005, 25, 733-737.	7.3	14
48	Changing vacancy balance in ZnO by tuning synthesis between zinc/oxygen lean conditions. Journal of Applied Physics, 2010, 108, 046101.	2.5	14
49	Ge concentrations in pile-up layers of sub-100-nm SiGe films for nano-structuring by thermal oxidation. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2012, 30, .	1.2	14
50	Evidence of defect band mechanism responsible for band gap evolution in ZnO alloys. Physical Review B, 2019, 100, .	2.2	14
51	Influence of hydrogen implantation on emission from the silicon vacancy in 4H-SiC. Journal of Applied Physics, 2020, 127, .	2.5	14
52	Determination of the Polarization Dependence of the Free-Carrier-Absorption in 4H-SiC at High-Level Photoinjection. Materials Science Forum, 2000, 338-342, 555-558.	0.3	12
53	(Invited) Degradation of SiC Bipolar Devices: A Review of Likely Causes and Recent Advances in its Understanding. ECS Transactions, 2011, 41, 225-236.	0.5	12
54	Photocurrent generation in carbon nanotube/cubic-phase HfO ₂ nanoparticle hybrid nanocomposites. Beilstein Journal of Nanotechnology, 2016, 7, 1075-1085.	2.8	12

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55	Impact of post annealing and hydrogen implantation on functional properties of Cu ₂ O thin films for photovoltaic applications. <i>Journal of Alloys and Compounds</i> , 2020, 825, 153982.	5.5	12
56	Investigation of Electroluminescence across 4H-SiC p ⁺ and n ⁺ Structures Using Optical Emission Microscopy. <i>Materials Science Forum</i> , 2001, 353-356, 389-392.	0.3	11
57	Characterization of carrier lifetime and diffusivity in 4H-SiC using time-resolved imaging spectroscopy of electroluminescence. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 102, 304-307.	3.5	11
58	Testing ZnO based photoanodes for PEC applications. <i>Energy Procedia</i> , 2012, 22, 101-107.	1.8	11
59	Nano-structuring in SiGe by oxidation induced anisotropic Ge self-organization. <i>Journal of Applied Physics</i> , 2013, 113, 104310.	2.5	11
60	Strain Modulation of Si Vacancy Emission from SiC Micro- and Nanoparticles. <i>Nano Letters</i> , 2020, 20, 8689-8695.	9.1	11
61	Depth- and Time-Resolved Free Carrier Absorption in 4H-SiC Epilayers: A Study of Carrier Recombination and Transport Parameters. <i>Materials Science Forum</i> , 1998, 264-268, 529-532.	0.3	10
62	Effect of substrate proximity on luminescence yield from Si nanocrystals. <i>Applied Physics Letters</i> , 2006, 89, 111124.	3.3	10
63	ALD Applied to Conformal Coating of Nanoporous γ -Alumina: Spinel Formation and Luminescence Induced by Europium Doping. <i>Journal of the Electrochemical Society</i> , 2012, 159, P45-P49.	2.9	10
64	Tunneling in ZnO/ZnCdO quantum wells towards next generation photovoltaic cells. <i>Solar Energy</i> , 2014, 106, 82-87.	6.1	10
65	Effects of temperature, triazole and hot-pressing on the performance of TiO ₂ photoanode in a solid-state photoelectrochemical cell. <i>Electrochimica Acta</i> , 2014, 115, 66-74.	5.2	10
66	Normal and reverse defect annealing in ion implanted II-VI oxide semiconductors. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	10
67	The temperature-dependency of the optical band gap of ZnO measured by electron energy-loss spectroscopy in a scanning transmission electron microscope. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	10
68	Role of intrinsic and extrinsic defects in H implanted hydrothermally grown ZnO. <i>Journal of Applied Physics</i> , 2019, 126, 125707.	2.5	10
69	Selective photocurrent generation in HfO ₂ and carbon nanotube hybrid nanocomposites under Ultra-Violet and visible photoexcitations. <i>Materials Letters</i> , 2019, 246, 45-48.	2.6	10
70	ZnSnN ₂ in Real Space and k-space: Lattice Constants, Dislocation Density, and Optical Band Gap. <i>Advanced Optical Materials</i> , 2021, 9, 2100015.	7.3	10
71	Band edge absorption, carrier recombination and transport measurements in 4H-SiC epilayers. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1999, 61-62, 197-201.	3.5	9
72	Improvements in Realizing 4H-SiC Thermal Neutron Detectors. <i>EPJ Web of Conferences</i> , 2016, 106, 05004.	0.3	9

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73	Investigation of Stacking Fault Formation in Hydrogen Bombarded 4H-SiC. Materials Science Forum, 2005, 483-485, 327-330.	0.3	8
74	ALD Applied to Conformal Coating of Nanoporous $\hat{\text{I}}^3$ -Alumina: Spinel Formation and Luminescence Induced by Europium Doping. ECS Transactions, 2011, 41, 123-130. Broad luminescence from donor-complexed Cr^{3+} ions	0.5	8
75	Li and Zn acceptors in ZnO . Physical Review B, 2019, 100.	3.2	8
76	Enhancing the UV Emission in ZnO -CNT Hybrid Nanostructures via the Surface Plasmon Resonance of Ag Nanoparticles. Nanomaterials, 2021, 11, 452.	4.1	8
77	Non-Equilibrium Carrier Dynamics in a-Si:H/a-SiC:H Multilayers. Materials Research Society Symposia Proceedings, 1992, 258, 553.	0.1	7
78	Microstructural Aspects and Mechanism of Degradation of 4H-SiC PiN Diodes under Forward Biasing. Materials Research Society Symposia Proceedings, 2004, 815, 223.	0.1	7
79	A comparative analysis of oxidation rates for thin films of SiGe versus Si. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 1934-1939. Muon interaction with Negative-U and High-Spin-State Defects: Differentiating Between C and Si	1.8	7
80	Nonlinear optical investigation of silicon carbide surface properties. Nuclear Instruments & Methods in Physics Research B, 1992, 65, 357-360.	3.8	7
81	Spatially and time-resolved infrared absorption for optical and electrical characterization of indirect band gap semiconductors. Thin Solid Films, 2000, 364, 181-185.	1.4	6
82	In Situ Studies of Structural Instability in Operating 4H-SiC PiN Diodes. Materials Science Forum, 2003, 433-436, 933-936.	0.3	6
83	Two-Photon Spectroscopy of 4H-SiC by Using Laser Pulses at Below-Gap Frequencies. Materials Science Forum, 2004, 457-460, 605-608.	0.3	6
84	An investigation of Fe-doped ZnO thin films grown by magnetron sputtering. Physica Scripta, 2010, T141, 014004.	2.5	6
85	Optical absorption related to Fe impurities in TlGaSe_2 . Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2186-2192.	1.8	6
86	Boron-Implanted 3C-SiC for Intermediate Band Solar Cells. Materials Science Forum, 2016, 858, 291-294.	0.3	6
87	Optical signatures of single ion tracks in ZnO. Nanoscale Advances, 2020, 2, 724-733.	4.6	6
88	Ambipolar Diffusion Coefficients in a-SiC:H Alloys in Steady-State and Transient Grating Measurements. Materials Research Society Symposia Proceedings, 1993, 297, 497.	0.1	5
89	Time-Resolved Photoluminescence from nm-Sized Silicon Crystallites In SiO_2 . Materials Research Society Symposia Proceedings, 1997, 486, 249.	0.1	5
90			

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91	Study of Photoluminescence Properties of Cu _x O Thin Films Prepared by Reactive Radio Frequency Magnetron Sputtering. Materials Research Society Symposia Proceedings, 2015, 1792, 1.	0.1	5
92	Metal oxide nanoparticles embedded in rare-earth matrix for low temperature thermal imaging applications. Materials Research Express, 2016, 3, 055010.	1.6	5
93	Photoluminescence Properties of Photochromic Yttrium Hydride Films Containing Oxygen. Physica Status Solidi (B): Basic Research, 2018, 255, 1800139.	1.5	5
94	Surface Effects and Optical Properties of Self-Assembled Nanostructured a-Si:Al. Nanomaterials, 2019, 9, 1106.	4.1	5
95	Acceptor complex signatures in oxygen-rich ZnO thin films implanted with chlorine ions. Journal of Applied Physics, 2020, 128, .	2.5	5
96	Effects of annealing on photoluminescence and defect interplay in ZnO bombarded by heavy ions: Crucial role of the ion dose. Journal of Applied Physics, 2020, 127, 025701.	2.5	5
97	Carrier Relaxation in Si:H/SiC:H Multilayers Studied by Picosecond Transient Reflectometry. Physica Status Solidi (B): Basic Research, 1995, 190, 587-593.	1.5	4
98	Characterization of 4H-SiC Band-Edge Absorption Properties by Free-Carrier Absorption Technique with a Variable Excitation Spectrum. Materials Science Forum, 2002, 389-393, 617-620.	0.3	4
99	Optical Emission Microscopy of Structural Defects in 4H-SiC PiN Diodes. Materials Science Forum, 2002, 389-393, 431-434.	0.3	4
100	Optical Investigation of the Built-In Strain in 3C-SiC Epilayers. Materials Science Forum, 2004, 457-460, 657-660.	0.3	4
101	Structural, optical and electrical properties of reactively sputtered Ag ₂ Cu ₂ O ₃ films. Thin Solid Films, 2011, 520, 230-234.	1.8	4
102	Engineering of nearly strain-free ZnO films on Si(111) by tuning AlN buffer thickness. Physica B: Condensed Matter, 2012, 407, 1476-1480.	2.7	4
103	Basic optical and electronic properties of Ag ₂ Cu ₂ O ₃ crystalline films. Thin Solid Films, 2013, 531, 185-188.	1.8	4
104	PL and DLTS Analysis of Carbon-Related Centers in Irradiated P-Type Cz-Si. Solid State Phenomena, 0, 205-206, 224-227.	0.3	4
105	Nuclear Radiation Detectors Based on 4H-SiC p<sup>+</sup>-n Junction. Materials Science Forum, 0, 778-780, 1046-1049.	0.3	4
106	The Band Gap of BaPrO ₃ Studied by Optical and Electrical Methods. Journal of the American Ceramic Society, 2016, 99, 492-498.	3.8	4
107	The influence of Fe impurities on the annealing of OH ⁻ Li complexes in ZnO. Physica Status Solidi (B): Basic Research, 2016, 253, 273-278.	1.5	4
108	Annealing Kinetics of the Interstitial Carbon ⁻ Dioxygen Complex in Silicon. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800986.	1.8	4

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109	Optical second harmonic generation in reflection from silicon carbide films. Surface and Interface Analysis, 1992, 18, 71-72.	1.8	3
110	Temporal and spatial investigation of 6 H-SiC by picosecond pulse excitation. Physica Status Solidi A, 1995, 151, 219-229.	1.7	3
111	Optical Characterization of 4H-SiC p⁺n⁻ Structures Applying Time- and Spectrally Resolved Emission Microscopy. Materials Science Forum, 2000, 338-342, 683-686.	0.3	3
112	Electron Beam Induced Current Investigation of High-Voltage 4H Silicon Carbide Diodes. Materials Science Forum, 2000, 338-342, 777-780.	0.3	3
113	Carrier dynamics in linearly and step graded bandgap Zn1^xCdxO structures. Applied Physics Letters, 2013, 102, .	3.3	3
114	Depth-Resolved Carrier Lifetime Measurements in 4H-SiC Epilayers Monitoring Carbon Vacancy Elimination. Materials Science Forum, 0, 897, 258-261.	0.3	3
115	Monitoring selective etching of self-assembled nanostructured a-Si:Al films. Nanotechnology, 2019, 30, 135601.	2.6	3
116	Al incorporation during metal organic chemical vapour deposition of aluminium zinc oxide. Thin Solid Films, 2020, 709, 138245.	1.8	3
117	Boron-doping of cubic SiC for intermediate band solar cells: a scanning transmission electron microscopy study. SciPost Physics, 2018, 5, .	4.9	3
118	Effective lifetime measurements in silicon-on-sapphire material by time-resolved reflectometry. Thin Solid Films, 1990, 191, 37-45.	1.8	2
119	Investigation of Excess Carrier Distributions in 4H-SiC Power Diodes under Static Conditions and Turn-On. Materials Science Forum, 1998, 264-268, 1053-1056.	0.3	2
120	Lateral and cross-well transport of highly and moderately excited carriers in Si1^xGex/Si superlattices. Journal of Applied Physics, 1998, 83, 4756-4759.	2.5	2
121	Direct observation of excess carrier distribution in 4H-SiC power diodes. IEEE Electron Device Letters, 1999, 20, 295-297.	3.9	2
122	Investigation of Structural Stability in 4H-SiC Structures with Heavy Ion Implanted Interface. Materials Science Forum, 2006, 527-529, 395-398.	0.3	2
123	Response to "Comment on "Unusual Photoluminescence of CaHfO3 and SrHfO3 Nanoparticles" Advanced Functional Materials, 2012, 22, 1114-1115.	14.9	2
124	ALD Applied to Conformal Rare-Earth Coating of ZnO Nanoparticles for Low Temperature Thermal Imaging Applications. ECS Transactions, 2014, 64, 23-31.	0.5	2
125	One Step Synthesis of Pure Cubic and Monoclinic HfO₂ Nanoparticles: Effects of Temperature and Ambient on the Photoluminescent Properties. ECS Transactions, 2015, 64, 19-28.	0.5	2
126	Local homoepitaxy of zinc oxide thin films by magnetron sputtering. Thin Solid Films, 2016, 601, 18-21.	1.8	2

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127	Controllable template approach for ZnO nanowire growth. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600480.	1.8	2
128	Characterization of B-Implanted 3C-SiC for Intermediate Band Solar Cells. <i>Materials Science Forum</i> , 2017, 897, 299-302.	0.3	2
129	(Invited) Controlling the Carbon Vacancy in 4H-SiC by Thermal Processing. <i>ECS Transactions</i> , 2018, 86, 91-97.	0.5	2
130	Time evolution of ZnO-CNT photoluminescence under variable ambient and temperature conditions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 613, 012031.	0.6	2
131	Resolving Jahn-Teller induced vibronic fine structure of silicon vacancy quantum emission in silicon carbide. <i>Physical Review B</i> , 2021, 104, .	3.2	2
132	Formation and functionalization of Ge-nanoparticles in ZnO. <i>Nanotechnology</i> , 2021, 32, 505707.	2.6	2
133	Characterization of Al-implanted 4H SiC High Voltage Diodes. <i>Physica Scripta</i> , 2002, T101, 207.	2.5	2
134	Energetic Au ion beam implantation of ZnO nanopillars for optical response modulation. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 215101.	2.8	2
135	Galvanic Restructuring of Exsolved Nanoparticles for Plasmonic and Electrocatalytic Energy Conversion. <i>Small</i> , 2022, 18, .	10.0	2
136	Reflectivity and Dynamic Gratings in Implanted Si Induced by Picosecond Laser Pulses. <i>Physica Status Solidi (B): Basic Research</i> , 1988, 150, 743-748.	1.5	1
137	Observation of near-surface electrically active defects in n-type 6H-SiC. <i>Journal of Applied Physics</i> , 1998, 83, 3649-3651.	2.5	1
138	SEM Visibility of Stacking Faults in 4H-Silicon Carbide Epitaxial and Implanted Layers. <i>Materials Science Forum</i> , 2003, 433-436, 937-940.	0.3	1
139	MgZnO synthesis employing weak oxidants for accurate Mg incorporation control. <i>Journal of Crystal Growth</i> , 2011, 333, 66-69.	1.5	1
140	Time-resolved spectroscopy of carrier dynamics in graded ZnCd _x O multilayer structures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 1805-1808.	0.8	1
141	Optical and electrical properties of reactively sputtered Ag ₂ Cu ₂ O ₃ films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 1590-1592.	0.8	1
142	CdO/ZnO multiple quantum wells as components for next generation solar cells. , 2013, , .		1
143	Optical and Microstructural Investigation of Heavy B-Doping Effects in Sublimation-Grown 3C-SiC. <i>Materials Science Forum</i> , 2018, 924, 221-224.	0.3	1
144	Selective etching of nanostructured a-Si:Al and its effect on porosity, Al gradient and surface oxidation. <i>Thin Solid Films</i> , 2020, 702, 137982.	1.8	1

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145	Temperature Dependence of the Absorption Coefficient in 4H- and 6H-Silicon Carbide at 355 nm Laser Pumping Wavelength. , 2002, 191, 613.		1
146	<title>Characterization of GaN layers by second harmonic generation and photoluminescence</title>. , 2001, , .		0
147	Publisher's Note: ALD Applied to Conformal Coating of Nanoporous $\hat{1}^3$ -Alumina: Spinel Formation and Luminescence Induced by Europium Doping [<i><i>J. Electrochem. Soc.</i></i> , 159, P45 (2012)]. Journal of the Electrochemical Society, 2012, 159, S15-S15.	2.9	0
148	A comparative study of 1.5 $\hat{1}^4$ m photoluminescence from (Er, Si) and (Er, Ge) co-sputtered with Al ₂ O ₃ on Si. Journal of Alloys and Compounds, 2014, 590, 5-8.	5.5	0
149	Investigations on new carbon-based nanohybrids combining carbon nanotubes, HfO ₂ and ZnO nanoparticles. IOP Conference Series: Materials Science and Engineering, 2017, 175, 012064.	0.6	0
150	Phase stability and strain accumulation in CdO as a function of Cd/O supply during MOVPE synthesis. Superlattices and Microstructures, 2018, 120, 569-577.	3.1	0
151	Retinal injuries in seven teenage boys from the same handheld laser. American Journal of Ophthalmology Case Reports, 2022, 27, 101596.	0.7	0