

# Matthew D McCluskey

## List of Publications by Citations

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168  
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34  
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179  
ext. papers

5,347  
ext. citations

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6.06  
L-index

#	Paper	IF	Citations
168	Defects in ZnO. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 071101	2.5	855
167	Tutorial: Defects in semiconductors—Combining experiment and theory. <i>Journal of Applied Physics</i> , <b>2016</b> , 119, 181101	2.5	206
166	Large band gap bowing of In <sub>x</sub> Ga <sub>1-x</sub> N alloys. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 2725-2726	3.4	187
165	Infrared spectroscopy of hydrogen in ZnO. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 3807-3809	3.4	178
164	Phase separation in InGaN/GaN multiple quantum wells. <i>Applied Physics Letters</i> , <b>1998</b> , 72, 1730-1732	3.4	176
163	Local vibrational modes of the Mg <sup>II</sup> acceptor complex in GaN. <i>Applied Physics Letters</i> , <b>1996</b> , 69, 3725-3727	3.4	169
162	Fano interference of the Raman phonon in heavily boron-doped diamond films grown by chemical vapor deposition. <i>Applied Physics Letters</i> , <b>1995</b> , 66, 616-618	3.4	161
161	Metastability of Oxygen Donors in AlGaIn. <i>Physical Review Letters</i> , <b>1998</b> , 80, 4008-4011	7.4	138
160	Optical properties of In <sub>x</sub> Ga <sub>1-x</sub> N alloys grown by metalorganic chemical vapor deposition. <i>Journal of Applied Physics</i> , <b>1998</b> , 84, 4452-4458	2.5	127
159	Nitrogen is a deep acceptor in ZnO. <i>AIP Advances</i> , <b>2011</b> , 1, 022105	1.5	116
158	Local vibrational modes of impurities in semiconductors. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 3593-3617	2.5	109
157	Persistent photoconductivity in strontium titanate. <i>Physical Review Letters</i> , <b>2013</b> , 111, 187403	7.4	104
156	Structure and stability of O <sup>II</sup> donors in ZnO from high-pressure and infrared spectroscopy. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	98
155	Ferromagnetism in Ga(1-x)Mn(x)P: evidence for inter-Mn exchange mediated by localized holes within a detached impurity band. <i>Physical Review Letters</i> , <b>2005</b> , 95, 207204	7.4	87
154	Point defects in Ga <sub>2</sub> O <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 101101	2.5	81
153	Interdiffusion of In and Ga in InGaIn quantum wells. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 1281-1283	3.4	66
152	Formation of isolated Zn vacancies in ZnO single crystals by absorption of ultraviolet radiation: a combined study using positron annihilation, photoluminescence, and mass spectroscopy. <i>Physical Review Letters</i> , <b>2013</b> , 111, 017401	7.4	61

151	Compensation and hydrogen passivation of magnesium acceptors in $\text{EGa}_2\text{O}_3$ . <i>Applied Physics Letters</i> , <b>2018</b> , 113, 052101	3-4	55
150	Structural and optical properties of pseudomorphic $\text{In}_x\text{Ga}_{1-x}\text{N}$ alloys. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 1757-1759	3-4	55
149	Large and composition-dependent band gap bowing in $\text{In}_x\text{Ga}_{1-x}\text{N}$ alloys. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1999</b> , 59, 274-278	3-1	55
148	Sources of n-type conductivity in ZnO. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 401-402, 355-357	2.8	54
147	Effect of composition on the band gap of strained $\text{In}_x\text{Ga}_{1-x}\text{N}$ alloys. <i>Journal of Applied Physics</i> , <b>2003</b> , 93, 4340-4342	2.5	54
146	Hydrogen in oxide semiconductors. <i>Journal of Materials Research</i> , <b>2012</b> , 27, 2190-2198	2.5	52
145	Dopants and Defects in Semiconductors		51
144	Achieving highly-enhanced UV photoluminescence and its origin in ZnO nanocrystalline films. <i>Optical Materials</i> , <b>2016</b> , 58, 382-389	3-3	48
143	Acceptors in ZnO. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 112802	2.5	45
142	Infrared spectroscopy of ZnO nanoparticles containing CO <sub>2</sub> impurities. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 073111	3-4	45
141	Unambiguous identification of nitrogen-hydrogen complexes in ZnO. <i>Physical Review B</i> , <b>2007</b> , 76,	3-3	42
140	Hydrogen donors in SnO <sub>2</sub> studied by infrared spectroscopy and first-principles calculations. <i>Physical Review B</i> , <b>2010</b> , 82,	3-3	41
139	Pressure-induced phase transformation of $\text{In}_2\text{Se}_3$ . <i>Applied Physics Letters</i> , <b>2013</b> , 102, 062105	3-4	39
138	Suppression of conductivity in Mn-doped ZnO thin films. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 013715	2.5	37
137	Infrared spectroscopy of hydrogen in annealed zinc oxide. <i>Physica B: Condensed Matter</i> , <b>2003</b> , 340-342, 221-224	2.8	37
136	Positron lifetime measurements of hydrogen passivation of cation vacancies in yttrium aluminum oxide garnets. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	36
135	Phase separation in InGaN multiple quantum wells annealed at high nitrogen pressures. <i>Applied Physics Letters</i> , <b>1999</b> , 75, 3950-3952	3-4	36
134	Shock-induced band-gap shift in GaN: Anisotropy of the deformation potentials. <i>Physical Review B</i> , <b>2005</b> , 71,	3-3	33

133	Infrared absorption of solid nitrogen at high pressures. <i>Physical Review B</i> , <b>1996</b> , 54, 8962-8964	3.3	33
132	Acceptors in ZnO nanocrystals. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 232112	3.4	28
131	Pressure response of the ultraviolet photoluminescence of ZnO and MgZnO nanocrystallites. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 171909	3.4	28
130	Nitrogen and vacancy clusters in ZnO. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 1977-1983	2.5	27
129	Phonon dynamics and Urbach energy studies of MgZnO alloys. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 125702	3.9	26
128	Infrared absorption of hydrogen-related defects in strontium titanate. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 063706	2.5	25
127	Conformation of p-terphenyl under hydrostatic pressure. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 1841-5	3.9	25
126	Phase-Defined van der Waals Schottky Junctions with Significantly Enhanced Thermoelectric Properties. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 2887-2894	6.4	24
125	Infrared spectroscopy of biphenyl under hydrostatic pressure. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 3748-3752	3.9	24
124	High pressure-high temperature decomposition of Ecyclotrimethylene trinitramine. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 9680-8	2.8	23
123	Carbon acceptors and carbon-hydrogen complexes in AlSb. <i>Physical Review B</i> , <b>2001</b> , 65,	3.3	23
122	Infrared and Raman spectroscopy of ZnO nanoparticles annealed in hydrogen. <i>Journal of Applied Physics</i> , <b>2007</b> , 102, 043529	2.5	22
121	Matrix reactions of P4 and P2 with O3 molecules. <i>Journal of Molecular Structure</i> , <b>1990</b> , 222, 95-108	3.4	22
120	Iridium-related complexes in Czochralski-grown EGa2O3. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 225705	2.5	22
119	Flattening of organic molecules under pressure. <i>Journal of Chemical Physics</i> , <b>2001</b> , 114, 5465-5467	3.9	21
118	Cu-doping of ZnO by nuclear transmutation. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 202109	3.4	20
117	Acceptor and surface states of ZnO nanocrystals: a unified model. <i>Nanotechnology</i> , <b>2011</b> , 22, 475703	3.4	20
116	Action potential propagation imaged with high temporal resolution near-infrared video microscopy and polarized light. <i>NeuroImage</i> , <b>2008</b> , 40, 1034-43	7.9	20

115	Doping of AlGa <sub>N</sub> Alloys. <i>MRS Internet Journal of Nitride Semiconductor Research</i> , <b>1999</b> , 4, 890-901		20
114	Interstitial oxygen in silicon under hydrostatic pressure. <i>Physical Review B</i> , <b>1997</b> , 56, 9520-9523	3.3	19
113	Local vibrational modes in GaAs under hydrostatic pressure. <i>Physical Review B</i> , <b>1997</b> , 56, 6404-6407	3.3	19
112	Hydrogen in bulk and nanoscale ZnO. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 376-377, 690-693	2.8	19
111	Optical transitions and multiphonon Raman scattering of Cu doped ZnO and MgZnO ceramics. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 061919	3.4	18
110	Characteristics of InGa <sub>N</sub> -AlGa <sub>N</sub> multiple-quantum-well laser diodes. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>1998</b> , 4, 498-504	3.8	18
109	Formation of high concentrations of isolated Zn vacancies and evidence for their acceptor levels in ZnO. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 729, 1031-1037	5.7	17
108	Point Defects in ZnO. <i>Semiconductors and Semimetals</i> , <b>2015</b> , 91, 279-313	0.6	17
107	Using persistent photoconductivity to write a low-resistance path in SrTiO <sub>3</sub> . <i>Scientific Reports</i> , <b>2017</b> , 7, 6659	4.9	17
106	Pressure dependence of optical transitions in In <sub>0.15</sub> Ga <sub>0.85</sub> N/GaN multiple quantum wells. <i>Physical Review B</i> , <b>1998</b> , 58, R10191-R10194	3.3	17
105	Vibrational spectroscopy of group-II-acceptor-hydrogen complexes in GaP. <i>Physical Review B</i> , <b>1995</b> , 52, 11859-11864	3.3	17
104	Vibrational Spectroscopy of Na <sup>+</sup> Complexes in ZnO. <i>Journal of Electronic Materials</i> , <b>2013</b> , 42, 3426-3428	1.9	16
103	Transformation of GaAs into an indirect L-band-gap semiconductor under uniaxial strain. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	16
102	Optical Properties of ZnO-Alloyed Nanocrystalline Films. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-7	3.2	16
101	Phase separation in annealed InGa <sub>N</sub> /Ga <sub>N</sub> multiple quantum wells. <i>Journal of Crystal Growth</i> , <b>1998</b> , 189-190, 33-36	1.6	16
100	Hydrogen passivation of Se and Te in AlSb. <i>Physical Review B</i> , <b>1996</b> , 53, 16297-16301	3.3	16
99	Dopants and Defects in Semiconductors		16
98	X-ray diffraction of Mg <sub>x</sub> Zn <sub>1-x</sub> O and ZnO nanocrystals under high pressure. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 013511	2.5	15

97	Spectroscopic studies of the mechanism of reversible photodegradation of 1-substituted aminoanthraquinone-doped polymers. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 114902	3.9	14
96	Compensation of Acceptors in ZnO Nanocrystals by Adsorption of Formic Acid. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 17248-17251	3.8	13
95	Spectroscopy of hydrogen-related complexes in GaP:Zn. <i>Applied Physics Letters</i> , <b>1994</b> , 65, 2191-2192	3.4	13
94	Incorporation of Cu acceptors in ZnO nanocrystals. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 064301	2.5	12
93	Anti-crossing behavior of local vibrational modes in AlSb. <i>Solid State Communications</i> , <b>1998</b> , 106, 587-590.	3.6	12
92	The Franz-Keldysh effect in shocked GaN:Mg. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 2085-2087	3.4	12
91	Vibrational spectroscopy of arsenic-hydrogen complexes in ZnSe. <i>Applied Physics Letters</i> , <b>1996</b> , 68, 3476-3478	3.4	12
90	UV-luminescent MgZnO semiconductor alloys: nanostructure and optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 2511-2520	2.1	11
89	Structure and stability of NH complexes in single-crystal ZnO. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 11353-6	3.6	11
88	Equations of state for ZnO and MgZnO by high pressure x-ray diffraction. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 073511	2.5	11
87	Resonant interaction between localized and extended vibrational modes in Si: 18O under pressure. <i>Physical Review Letters</i> , <b>2003</b> , 90, 095505	7.4	11
86	Zn acceptors in $\beta$ -Ga <sub>2</sub> O <sub>3</sub> crystals. <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 155701	2.5	11
85	Hydrogen-related complexes in Li-diffused ZnO single crystals. <i>Journal of Applied Physics</i> , <b>2016</b> , 120, 035703	2.5	11
84	Recharging behavior of nitrogen-centers in ZnO. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 063701	2.5	9
83	Hydrogen complexes in ZnO grown by chemical vapor transport. <i>Physica B: Condensed Matter</i> , <b>2007</b> , 401-402, 395-398	2.8	9
82	Isotope effects in the electronic spectrum of S <sup>+</sup> and Se <sup>+</sup> in silicon. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	9
81	Pressure dependence of local vibrational modes in InP. <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	9
80	N <sub>2</sub> and CO <sub>2</sub> vibrational modes in solid nitrogen under pressure. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 1607-1612	3.9	9

79	Comparison study of photoluminescence from InGaN/GaN multiple quantum wells and InGaN epitaxial layers under large hydrostatic pressure. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 1613-1615	3.4	9
78	Hydrogen in compound semiconductors. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1999</b> , 17, 2188-2193	2.9	9
77	Potassium acceptor doping of ZnO crystals. <i>AIP Advances</i> , <b>2015</b> , 5, 057107	1.5	8
76	Equation of state and refractive index of argon at high pressure by confocal microscopy. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	8
75	Band gap changes of GaN shocked to 13 GPa. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 1912-1914	3.4	8
74	The role of hydrogen and oxygen in the persistent photoconductivity of strontium titanate. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 161545	2.5	7
73	Thermal stability of ultra-wide-bandgap MgZnO alloys with wurtzite structure. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 16782-16790	2.1	7
72	P-type conductivity in annealed strontium titanate. <i>AIP Advances</i> , <b>2015</b> , 5, 127217	1.5	7
71	Anharmonic resonant Raman modes in Mg <sub>0.2</sub> Zn <sub>0.8</sub> O. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	7
70	Indirect band-gap transitions in GaP shocked along the [100], [110], and [111] axes. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	7
69	DX CENTERS IN AlGaN. <i>International Journal of Modern Physics B</i> , <b>1999</b> , 13, 1363-1378	1.1	7
68	Enhancement of the ultraviolet photoluminescence of ZnO films: Coatings, annealing, and environmental exposure studies. <i>AIP Advances</i> , <b>2020</b> , 10, 085217	1.5	7
67	Gallium vacancy formation in oxygen annealed EGa <sub>2</sub> O <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2021</b> , 129, 245701	2.5	7
66	Resonant interaction between hydrogen vibrational modes in AlSb:Se. <i>Physical Review Letters</i> , <b>2009</b> , 102, 135502	7.4	6
65	Nitrogen and hydrogen in bulk single-crystal ZnO. <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 4810-4812	2.8	6
64	Band-gap luminescence of GaP:S shock compressed to 5GPa. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 142104	3.4	6
63	Structural and optical properties of epitaxially overgrown third-order gratings for InGaN/GaN-based distributed feedback lasers. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 2706-2708	3.4	6
62	Large Persistent Photoconductivity in Strontium Titanate at Room Temperature. <i>Materials Research Society Symposia Proceedings</i> , <b>2015</b> , 1792, 1		5

61	Electronic transport in molybdenum dioxide thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 9717-9720	2.1	5
60	Order-of-magnitude reduction of carrier lifetimes in [100] n-type GaAs shock-compressed to 4 GPa. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 092107	3.4	5
59	Measuring the volume of a fluid in a diamond anvil cell using a confocal microscope. <i>Applied Optics</i> , <b>2009</b> , 48, 1758-63	0.2	5
58	Photodarkening and Dopant Segregation in Cu-doped $\beta$ -Ga <sub>2</sub> O <sub>3</sub> Czochralski Single Crystals. <i>Journal of Crystal Growth</i> , <b>2021</b> , 126419	1.6	5
57	Localized UV emitters on the surface of $\beta$ -Ga <sub>2</sub> O <sub>3</sub> . <i>Scientific Reports</i> , <b>2020</b> , 10, 21022	4.9	5
56	Defects in ZnO <b>2018</b> , 1-25		4
55	Hydrogen Donors in ZnO. <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 864, 1041		4
54	Doping of AlGa <sub>N</sub> Alloys. <i>Materials Research Society Symposia Proceedings</i> , <b>1998</b> , 537, 1		4
53	Hydrogen in III-V and II-VI Semiconductors. <i>Semiconductors and Semimetals</i> , <b>1999</b> , 373-440	0.6	4
52	Hydrogen passivation of calcium and magnesium doped $\beta$ -Ga <sub>2</sub> O <sub>3</sub> <b>2019</b> ,		4
51	Modular Scanning Confocal Microscope with Digital Image Processing. <i>PLoS ONE</i> , <b>2016</b> , 11, e0166212	3.7	4
50	ZincHydrogen and zincIridium pairs in $\beta$ -Ga <sub>2</sub> O <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2021</b> , 119, 102104	3.4	4
49	Bandgap of cubic ZnS <sub>1-x</sub> O <sub>x</sub> from optical transmission spectroscopy. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 075704	2.5	3
48	Real-time band structure changes of GaAs during continuous dynamic compression to 5 GPa. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 152108	3.4	3
47	Resonant Interaction Between Local Vibrational Modes and Extended Lattice Phonons in AlSb. <i>Materials Science Forum</i> , <b>1997</b> , 258-263, 1247-1252	0.4	3
46	Recording invertebrate nerve activation with modulated light changes. <i>Applied Optics</i> , <b>2007</b> , 46, 1866-711.7	1.7	3
45	Infrared Spectroscopy of Bis(4-nitrophenyl) Disulfide Grown on a Pb Layer. <i>Chemistry Letters</i> , <b>2002</b> , 31, 1138-1139	1.7	3
44	Cu <sup>2+</sup> and Cu <sup>3+</sup> acceptors in $\beta$ -Ga <sub>2</sub> O <sub>3</sub> crystals: A magnetic resonance and optical absorption study. <i>Journal of Applied Physics</i> , <b>2022</b> , 131, 065702	2.5	3



43	Confocal microscopy with a microlens array. <i>Applied Optics</i> , <b>2020</b> , 59, 3058-3063	1.7	3
42	Photoluminescence and Raman mapping of $\text{ErGa}_2\text{O}_3$ . <i>AIP Advances</i> , <b>2021</b> , 11, 105006	1.5	3
41	High-Pressure IR <b>2017</b> , 122-125		2
40	Defects and persistent conductivity in $\text{SrTiO}_3$ <b>2014</b> ,		2
39	Evidence for a shallow Cu acceptor in Si from infrared spectroscopy and photoconductivity. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	2
38	Use of dynamic compression to probe semiconductor response at large strains. <i>Physica Status Solidi (B): Basic Research</i> , <b>2013</b> , 250, 683-687	1.3	2
37	Phase Separation in InGaN/GaN Multiple Quantum Wells. <i>Materials Research Society Symposia Proceedings</i> , <b>1997</b> , 482, 981		2
36	Strong Fano resonance of oxygen-hydrogen bonds on oblique angle deposited Mg nanoblades. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 183112	3.4	2
35	Pressure tuning of localized and extended vibrational modes in Si:O. <i>Physica Status Solidi (B): Basic Research</i> , <b>2004</b> , 241, 3300-3305	1.3	2
34	Interaction between localized and extended modes of oxygen in silicon. <i>Physica B: Condensed Matter</i> , <b>2003</b> , 340-342, 514-517	2.8	2
33	Pressure dependence of donor excitation spectra in AlSb. <i>Physical Review B</i> , <b>2003</b> , 67,	3.3	2
32	Hydrogen Donors in Zinc Oxide <b>2005</b> , 125-132		2
31	Hydrogen Local Vibrational Modes in Compound Semiconductors. <i>Materials Research Society Symposia Proceedings</i> , <b>1998</b> , 513, 217		2
30	Surface Effects on Pyrene Luminescence Excitation. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 2806-2812	4	2
29	High pressure $\text{I}_2$ - $\text{I}$ phase transition in bulk and nanocrystalline $\text{In}_2\text{Se}_3$ . <i>High Pressure Research</i> , <b>2016</b> , 36, 549-556	1.6	2
28	Oxygen vibrational modes in $\text{ZnS}_{1-x}\text{O}_x$ alloys. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 161537	2.5	2
27	Persistent Room-Temperature Photodarkening in Cu-Doped $\text{ErGa}_2\text{O}_3$ . <i>Physical Review Letters</i> , <b>2022</b> , 128, 077402	7.4	2
26	High Order Oxygen Local Vibrational Modes in $\text{ZnS}_{1-x}\text{O}_x$ . <i>Physica Status Solidi (B): Basic Research</i> , <b>2019</b> , 256, 1800607	1.3	1

25	Large persistent photoconductivity in strontium titanate single crystals <b>2016</b> ,		1
24	Bound exciton luminescence in shock compressed GaP:S and GaP:N. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 023710	2.5	1
23	Experimental Evidence for Nitrogen as a Deep Acceptor in ZnO. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1394, 21		1
22	ZnS <sub>x</sub> O <sub>1-x</sub> Films Grown on Flexible Substrates. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1394, 48		1
21	VIBRATIONAL STUDIES AND RESONANT INTERACTION BETWEEN LOCALIZED AND EXTENDED MODES IN Si:O UNDER PRESSURE. <i>Modern Physics Letters B</i> , <b>2004</b> , 18, 1013-1028	1.6	1
20	Infrared Spectroscopy of Impurities in ZnO Nanoparticles. <i>Materials Research Society Symposia Proceedings</i> , <b>2005</b> , 864, 4401		1
19	Acceptor-Hydrogen complexes in semiconductors under pressure. <i>Physica B: Condensed Matter</i> , <b>2001</b> , 308-310, 780-783	2.8	1
18	Band Gap Shift of GaN under Uniaxial Strain Compression. <i>Materials Research Society Symposia Proceedings</i> , <b>2001</b> , 693, 242		1
17	Evidence for Oxygen DX Centers in AlGaIn. <i>Materials Research Society Symposia Proceedings</i> , <b>1998</b> , 512, 531		1
16	Shallow to deep transformation of Se donors in GaSb under hydrostatic pressure. <i>Physical Review B</i> , <b>1999</b> , 59, 8003-8007	3.3	1
15	MOCVD growth and characterization of AlGaInN multiple quantum well heterostructures and laser diodes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>1999</b> , 59, 33-38	3.1	1
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