

Energy gapâ€™refractive index relations in semiconduc

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Band parameters for AlAs, InAs and their ternary mixed crystals. <i>Physica Scripta</i> , 2009, 79, 015701.	1.2	55
3	On the properties and stability of thermally evaporated Ge <sup>1-x</sup> As <sup>x</sup> Se thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 96, 615-625.	1.1	76
4	Structural, electronic, thermodynamic and optical properties of SrS <sup>1-x</sup> O <sub>x</sub> mixed crystals. <i>Physica B: Condensed Matter</i> , 2009, 404, 4100-4105.	1.3	10
5	Ab initio investigations of calcium chalcogenide alloys. <i>Journal of Alloys and Compounds</i> , 2009, 485, 642-647.	2.8	17
6	Quantum computation of photoelastic properties of ionic crystals. <i>Journal of Materials Science</i> , 2010, 45, 136-138.	1.7	0
7	The effect of zinc concentration upon optical and dielectric properties of Cd <sup>1-x</sup> Zn <sub>x</sub> Se. <i>Physica B: Condensed Matter</i> , 2010, 405, 2272-2276.	1.3	75
8	Correlation between structural and opto-electronic properties of a-Si <sup>1-x</sup> C <sub>x</sub> :H films deposited by plasma enhanced chemical vapour deposition. <i>Thin Solid Films</i> , 2010, 518, 5871-5874.	0.8	10
9	Structural, electronic, thermodynamic and optical properties of alkaline earth oxides MgO, SrO and their alloys. <i>Physica Scripta</i> , 2010, 82, 045605.	1.2	24
10	First-principles calculations of structural, electronic and optical properties of Cd <sub>x</sub> Zn <sup>1-x</sup> S alloys. <i>Journal of Alloys and Compounds</i> , 2010, 507, 356-363.	2.8	82
11	Density functional study of CdS <sup>1-x</sup> Se <sub>x</sub> and CdS <sup>1-x</sup> Te <sub>x</sub> alloys. <i>Computational Materials Science</i> , 2010, 48, 206-211.	1.4	31
12	Electric field assisted processing and characterization of AlSb nanocrystals. <i>Current Applied Physics</i> , 2011, 11, 1031-1034.	1.1	4
13	The relationship between refractive index-energy gap and the film thickness effect on the characteristic parameters of CdSe thin films. <i>Optics Communications</i> , 2011, 284, 2307-2311.	1.0	125
14	Investigated optical and elastic properties of Porous silicon: Theoretical study. <i>Materials &amp; Design</i> , 2011, 32, 4088-4093.	5.1	18
15	The effect of Fe <sup>3+</sup> doping in Potassium Hydrogen Phthalate single crystals on structural and optical properties. <i>Physica B: Condensed Matter</i> , 2011, 406, 985-991.	1.3	32
16	Growth and characterization of 2-Methylimidazolium d-tartrate single crystal. <i>Journal of Crystal Growth</i> , 2011, 318, 768-773.	0.7	18
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18	Investigation of the properties of ferromagnetic ZnO:Cr <sub>2</sub> O <sub>3</sub> nanocomposites. <i>Materials Science in Semiconductor Processing</i> , 2012, 15, 326-330.	1.9	13
19	Theoretical prediction of structural, electronic and optical properties of quaternary alloy Zn <sup>1-x</sup> Be <sub>x</sub> S <sub>y</sub> Se <sup>1-y</sup> . <i>Chinese Physics B</i> , 2012, 21, 036102.	0.7	17

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23	The effect of copper concentration on structural, optical and dielectric properties of Cu <sub>1-x</sub> Zn <sub>x</sub> S thin films. Optics Communications, 2012, 285, 1215-1220.	1.0	38
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28	Incorporation effect of Y <sub>2</sub> O <sub>3</sub> on the structure and optical properties of HfO <sub>2</sub> thin films. Applied Surface Science, 2013, 271, 248-252.	3.1	29
29	The dependence of photosensitivity on composition for thin films of Ge <sub>x</sub> As <sub>y</sub> Se <sub>1-x-y</sub> chalcogenide glasses. Applied Physics A: Materials Science and Processing, 2013, 113, 575-581.	1.1	52
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34	Photocatalytic hydrogen production under visible-light irradiation on (CuAg) <sub>0.15</sub> In <sub>0.3</sub> Zn <sub>1.4</sub> S <sub>2</sub> synthesized by precipitation and calcination. Chinese Journal of Catalysis, 2013, 34, 1926-1935.	6.9	22
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36	Tuning Molecular Self-Assembly on Bulk Insulator Surfaces by Anchoring of the Organic Building Blocks. Advanced Materials, 2013, 25, 3948-3956.	11.1	66
38	Study on the Optoelectronic Properties of UV Luminescent Polymer: ZnO Nanoparticles Dispersed PANI. Journal of Materials, 2013, 2013, 1-7.	0.1	2

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39	Maximizing the Dielectric Response of Molecular Thin Films <i>via</i> Quantum Chemical Design. ACS Nano, 2014, 8, 12587-12600.	7.3	23
40	First principle investigations of the optical properties of Zn <sub>1-x</sub> Mg <sub>x</sub> S, Zn <sub>1-x</sub> Mg <sub>x</sub> Se and Zn <sub>1-x</sub> Mg <sub>x</sub> Te ternary alloys. International Journal of Modern Physics B, 2014, 28, 1450221.	1.0	2
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48	First principles calculations of structural, electronic and optical properties of Zn <sub>1-x</sub> BexSeyTe <sub>1-y</sub> quaternary alloys. Computational Materials Science, 2014, 87, 202-208.	1.4	1
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58	Hybrid Germanium Iodide Perovskite Semiconductors: Active Lone Pairs, Structural Distortions, Direct and Indirect Energy Gaps, and Strong Nonlinear Optical Properties. <i>Journal of the American Chemical Society</i> , 2015, 137, 6804-6819.	6.6	710
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66	Reaching $<100\%$ output intensity temperature stability with single-color light-emitting diodes. <i>Applied Optics</i> , 2016, 55, 9060.	2.1	1
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77	Solid state dielectric screening versus band gap trends and implications. <i>Optical Materials</i> , 2016, 60, 181-187.	1.7	30
78	Charge compensation assisted enhancement of photoluminescence in combustion derived Li <sup>+</sup> co-doped cubic ZrO <sub>2</sub> :Eu <sup>3+</sup> nanophosphors. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29447-29457.	1.3	50
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93	Structural, electronic, mechanical, thermal and optical properties of B(P,As) <sup>1-x</sup> N <sub>x</sub> ; (x=0, 0.25, 0.5, 0.75,) <i>Tj ETQq1 1 0.784314 rg</i> 2017, 91, 999-1011.	0.9	10

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96	First-Principles Calculations of Structural, Electronic and Optical Properties of Ternary Semiconductor Alloys ZAs <sub>x</sub> Sb <sub>1-x</sub> (Z=Al, Ga, In). Journal of Electronic Materials, 2017, 46, 4805-4814.	1.0	6
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108	Influence of the bilayer thickness on the optical properties of Al <sub>2</sub> O <sub>3</sub> -Y <sub>2</sub> O <sub>3</sub> dielectric nanolaminate films grown by thermal atomic layer deposition. Materials Research Bulletin, 2017, 87, 14-19.	2.7	6
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