

Yong-Gu Shim

List of Publications by Year in descending order

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50
papers

340
citations

1040056

9
h-index

888059

17
g-index

50
all docs

50
docs citations

50
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental verification of Förster energy transfer between semiconductor quantum dots. <i>Physical Review B</i> , 2008, 78, .	3.2	73
2	Refractive indices of layered semiconductor ferroelectrics TlInS ₂ , TlGaS ₂ , and TlGaSe ₂ from ellipsometric measurements limited to only layer-plane surfaces. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	38
3	Polarized Transmission Intensity Studies of Off-Zone-Center Incommensurate Semiconductors-Ferroelectrics TlMeX ₂ . <i>Japanese Journal of Applied Physics</i> , 2002, 41, 7254-7259.	1.5	27
4	Temperature-dependent and pump-probe ellipsometric studies of TlInSe ₂ . <i>Thin Solid Films</i> , 2008, 517, 1434-1438.	1.8	16
5	Structural and dielectric properties of anodic oxide film on Nb-Ti alloy. <i>Thin Solid Films</i> , 2008, 516, 8613-8619.	1.8	11
6	Phase transition and Raman-active modes in TlInS ₂ . <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 1132-1135.	0.8	11
7	Temperature dependence of dielectric function and optical transitions in TlInSe ₂ and TlGaTe ₂ . <i>Thin Solid Films</i> , 2011, 519, 2852-2854.	1.8	10
8	Ellipsometric studies at and below energy gap on polycrystalline calcium and strontium thiogallates. <i>Physica Status Solidi A</i> , 2003, 198, 478-486.	1.7	9
9	Phase-modulated spectroscopic ellipsometry and polarized transmission intensity studies of wide-gap biaxial CaGa ₂ S ₄ . <i>Thin Solid Films</i> , 2004, 455-456, 244-247.	1.8	9
10	Linearized Augmented Plane Wave Band Structure Calculations and Dielectric Function of Layered TlGaSe ₂ . <i>Japanese Journal of Applied Physics</i> , 2008, 47, 8182.	1.5	9
11	Dielectric function spectra and inter-band optical transitions in TlGaS ₂ . <i>Thin Solid Films</i> , 2014, 571, 589-592.	1.8	9
12	Light figure studies of optical anisotropy induced by nanoscale spatial modulation in TlInS ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 2116-2118.	4.0	8
13	CuAl _{1-x} In _x Se ₂ solid solutions: Dielectric function and inter-band optical transitions. <i>Thin Solid Films</i> , 2008, 517, 1442-1444.	1.8	8
14	Composition ratio control of CZTS films deposited by PLD. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2017, 14, .	0.8	8
15	Cu ₂ ZnSnS ₄ thin film deposited by pulse laser deposition. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 733-736.	0.8	7
16	Control of optical properties in cyanine dye thin film fabricated by a layer-by-layer method. <i>Journal of Applied Physics</i> , 2014, 115, 083503.	2.5	6
17	Temperature behavior of dielectric function spectra and optical transitions in TlGaS ₂ . <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1254-1257.	1.5	6
18	Infrared spectroscopic ellipsometry and optical spectroscopy of plasmons in classic 3D topological insulators. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2019, 37, 062602.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Incoherent ellipsometry below energy gap of TlInS ₂ . Thin Solid Films, 2006, 509, 137-140.	1.8	5
20	Optical properties of CuAlS ₂ with small indium content. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 1089-1092.	0.8	5
21	Temperature dependence of low-frequency optical phonons in TlInS ₂ . Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 826-829.	0.8	5
22	Anisotropic optical constants and inter-band optical transitions in layered semiconductor TlGaSe ₂ . Applied Surface Science, 2017, 421, 788-793.	6.1	5
23	Structure and optical properties of CdS:O thin films. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1098-1101.	0.8	4
24	Hard X-ray photoemission study of the covalent chain antiferromagnets TlFeS ₂ and TlFeSe ₂ . Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 989-992.	0.8	4
25	Band gap exciton in ferroelectric TlInS ₂ : Dimensionality and screening. Physica Status Solidi (B): Basic Research, 2015, 252, 1248-1253.	1.5	4
26	Temperature dependence of low-frequency polarized Raman scattering spectra in TlInS ₂ . Physica Status Solidi C: Current Topics in Solid State Physics, 2017, 14, 1600214.	0.8	4
27	Numerical and experimental approbation of extended application of light figures. Journal of Applied Physics, 2002, 91, 4110-4113.	2.5	3
28	Debye temperatures and Grueneisen parameters of chain TlSe and TlInSe ₂ . Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 997-1000.	0.8	3
29	Optical characterization of non-annealed CdS:O films for window layers in solar cells. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1107-1110.	0.8	3
30	Increase in exciton decay rate due to plane-to-plane interaction between cyanine thin films. AIP Advances, 2016, 6, 075209.	1.3	3
31	Identification of Mn dopant in the structure of TlInS ₂ layered semiconductor. Materials Research Express, 2019, 6, 056110.	1.6	3
32	Polarized transmission intensity studies at and below energy gap of wide-gap single crystalline CaGa ₂ S ₄ . Journal of Physics and Chemistry of Solids, 2003, 64, 1811-1814.	4.0	2
33	Optical second harmonic generation in TlMeX ₂ (Me=In,Ga,X=S,Se,Te). Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1136-1138.	0.8	2
34	Excitonic emissions of AgInS ₂ crystals with chalcopyrite and orthorhombic structure. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1042-1045.	0.8	2
35	Spectroscopic ellipsometry of monolayered CdS nanoparticles assembled by layer-by-layer method. Journal of Applied Physics, 2020, 128, 075303.	2.5	2
36	Intrinsic luminescence-downshifting effects of Zn-based Mn-doped nanoparticle layers on Si solar cells. Japanese Journal of Applied Physics, 2022, 61, 062004.	1.5	2

#	ARTICLE	IF	CITATIONS
37	Dispersion of Principal Refractive Indices of CaGa_2S_4 . Japanese Journal of Applied Physics, 2008, 47, 8178.	1.5	1
38	Analysis of bound-exciton emissions of CuInS_2 crystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 1093-1096.	0.8	1
39	Photoluminescence spectra of TlInSe_2 . Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2352-2354.	0.8	1
40	Optical properties of asymmetric coupled CuCl microcavities. European Physical Journal B, 2013, 86, 1.	1.5	1
41	Spectroscopic ellipsometry studies of as-prepared and annealed CdS:O thin films. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 592-595.	0.8	1
42	Structure and optical properties of CdS:O films by cathode sputtering. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 781-784.	0.8	1
43	Excitonic emission of TlGaSe_2 . Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 830-833.	0.8	1
44	Excitonic emission on CuInS_2 epitaxial films by pulse laser deposition. Physica Status Solidi C: Current Topics in Solid State Physics, 2015, 12, 692-695.	0.8	1
45	Mn^{δ} -doping effect of photoluminescence on AgInS_2 . Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2355-2357.	0.8	0
46	Electronic structures of ternary-layered semiconductor TlGaSe_2 investigated by photoemission spectroscopy. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1001-1004.	0.8	0
47	Excitonic emission of CuInS_2 crystals using confocal microscopy system. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1038-1041.	0.8	0
48	Temperature dependence of dielectric function spectra and interband optical transitions in layered TlInS_2 . Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2019, 37, 061212.	1.2	0
49	Dielectric function spectra and optical transitions in thallium bromide crystals for radiation detectors. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2019, 37, 061207.	1.2	0
50	Composition-ratio control of CuInS_2 films using PLD. Physica Status Solidi C: Current Topics in Solid State Physics, 2017, 14, 1600213.	0.8	0