Young Dong Kim

List of Publications by Citations

37 papers	373 citations	9 h-index	18 g-index
39 ext. papers	578 ext. citations	2.2 avg, IF	3.04 L-index

#	Paper	IF	Citations
37	Bandgap engineering of two-dimensional semiconductor materials. *Npj 2D Materials and Applications*, **2020**, 4,	8.8	152
36	Dielectric functions of InxGa1−xAs alloys. *Physical Review B*, **2003**, 68,	3.3	39
35	Interband transitions of InAsxSb1−x alloy films. *Applied Physics Letters*, **2009**, 95, 111902	3.4	23
34	Reinforcement of interfacial adhesion of a coated polymer layer on a cobalt-chromium surface for drug-eluting stents. *Langmuir*, **2014**, 30, 8020-8	4	20
33	Dielectric response of AlSb from 0.7 to 5.0 eV determined by in situ ellipsometry. *Applied Physics Letters*, **2009**, 94, 231913	3.4	13
32	Optical properties of InxAl1−xAs alloy films. *Applied Physics Letters*, **2008**, 92, 151907	3.4	13
31	Model dielectric functions for AlxGa1−xAs alloys of arbitrary compositions. *Journal of Applied Physics*, **2008**, 104, 013515	2.5	13
30	Temperature Dependence of the Dielectric Function of Monolayer MoSe. *Scientific Reports*, **2018**, 8, 3173	4.9	10
29	Temperature-dependent optical properties of epitaxial CdO thin films determined by spectroscopic ellipsometry and Raman scattering. *Journal of Applied Physics*, **2013**, 113, 183515	2.5	9
28	Formation of self-assembled large droplet-epitaxial GaAs islands for the application to reduced reflection. *Journal of Applied Physics*, **2013**, 113, 154308	2.5	7
27	Anisotropic behavior of excitons in single-crystal SnS. *AIP Advances*, **2020**, 10, 105003	1.5	7
26	Dielectric functions and interband transitions of In1−xAlxSb alloys. *Applied Physics Letters*, **2010**, 97, 111902	3.4	6
25	Optical properties of Co silicides: Experiment and density functional theory. *Journal of Applied Physics*, **2007**, 102, 103503	2.5	6
24	Interband transitions and dielectric functions of InGaSb alloys. *Applied Physics Letters*, **2013**, 102, 102109	3.4	5
23	Dielectric Functions of CdSe and ZnSe Obtained by Using Vacuum Ultra-Violet Spectroscopic Ellipsometry. *Journal of the Korean Physical Society*, **2007**, 50, 806	0.6	5
22	Study of the Interaction Between Biomolecule Monolayers Using Total Internal Reflection Ellipsometry. *Journal of the Korean Physical Society*, **2011**, 58, 1031-1034	0.6	5
21	Optical properties of AlAsxSb1−x alloys determined by in situ ellipsometry. *Applied Physics Letters*, **2013**, 103, 011901	3.4	4

20	Overlayer effects in the critical-point analysis of ellipsometric spectra: Application to InxGa1−xAs alloys. *Journal of Applied Physics*, **2008**, 103, 073502	2.5	4
19	Extended Gaussian Filtering for Noise Reduction in Spectral Analysis. *Journal of the Korean Physical Society*, **2020**, 77, 819-823	0.6	4
18	Dielectric Functions and Critical Points of GaAsSb Alloys. *Journal of the Korean Physical Society*, **2019**, 74, 595-599	0.6	3
17	Optical properties of solution-processed LaAlOx/Si films using spectroscopic ellipsometry. *Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics*, **2013**, 31, 04D110	1.3	3
16	Dielectric properties of InAsP alloy thin films and evaluation of direct- and reciprocal-space methods of determining critical-point parameters. *Physica Status Solidi (A) Applications and Materials Science*, **2008**, 205, 884-887	1.6	3
15	Quantitative assessment of linear noise-reduction filters for spectroscopy. *Optics Express*, **2020**, 28, 38917-38933	3.3	3
14	Temperature dependence of the dielectric function and critical points of α-SnS from 27 to 350 K. *Scientific Reports*, **2020**, 10, 18396	4.9	3
13	Study of the interaction between HSA and oligo-DNA using total internal reflection ellipsometry. *Journal of the Korean Physical Society*, **2012**, 60, 1288-1291	0.6	2
12	Surface photoabsorption monitoring of the growth of GaAs and InGaAs at 650 °C by MOCVD. *Journal of Electronic Materials*, **1997**, 26, 1164-1168	1.9	2
11	Optical Properties of Anisotropic SnSxSe1−x for Arbitrary Compositions. *Journal of the Korean Physical Society*, **2020**, 77, 1178-1182	0.6	2
10	A Systematic Study of Compositionally Dependent Dielectric Tensors of SnSxSe1-x Alloys by Spectroscopic Ellipsometry. *Crystals*, **2021**, 11, 548	2.3	2
9	How a Fano Resonance Crosses the Mobility Edge in Quantum Waveguides. *Journal of Experimental and Theoretical Physics*, **2018**, 126, 705-711	1	1
8	Lattice constants and optical response of pseudomorph Si-rich SiGe:B. *Applied Physics Letters*, **2013**, 103, 202107	3.4	1
7	Dielectric Function and Critical Points of SnS0.52Se0.48 in the Temperature Range from 27 to 350 K. *Journal of the Korean Physical Society*, **2020**, 77, 981-986	0.6	1
6	Modeling of the Optical Properties of Monolayer WS2. *Journal of the Korean Physical Society*, **2020**, 77, 298-302	0.6	1
5	Maximum-entropy revisited: Optimal filtering of spectra. *Journal of Applied Physics*, **2021**, 129, 224902	2.5	1
4	Modeling of the Temperature Dependence of the Dielectric Function of Biaxial α-SnS. *Journal of the Korean Physical Society*, **2020**, 77, 987-990	0.6	
3	Modeling the temperature dependence of the optical properties of anisotropic SnS0.52Se0.48. *Journal of the Korean Physical Society*, **2021**, 78, 269-274	0.6	

2	Approximated dielectric tensor of the biaxial □SnSe crystal. *Journal of the Korean Physical Society*, **2021**, 78, 297-301	0.6
1	Azimuthal angle dependent dielectric function of SnS by ellipsometry. *Journal of the Korean Physical Society*, **2022**, 80, 59-62	0.6