Maeng-Je Seong

List of Publications by Year
in descending order

42	926	394421 19	454955 30
papers	citations	h-index	g-index

42	42	42	1975
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Direct vapor phase growth process and robust photoluminescence properties of large area MoS2 layers. Nano Research, 2014, 7, 1759-1768.	10.4	109
2	Impact of Selenium Doping on Resonant Second-Harmonic Generation in Monolayer MoS₂. ACS Photonics, 2017, 4, 38-44.	6.6	75
3	Nonlinear optical characteristics of monolayer MoSe₂. Annalen Der Physik, 2016, 528, 551-559.	2.4	59
4	Growth and Simultaneous Valleys Manipulation of Two-Dimensional MoSe₂-WSe₂ Lateral Heterostructure. ACS Nano, 2017, 11, 8822-8829.	14.6	54
5	Gold nanoparticleâ€“DNA aptamer composites as a universal carrier for in vivo delivery of biologically functional proteins. Journal of Controlled Release, 2014, 196, 287-294.	9.9	48
6	Effect of graphene oxide ratio on the cell adhesion and growth behavior on a graphene oxide-coated silicon substrate. Scientific Reports, 2016, 6, 33835.	3.3	46
7	Synthesis of Graphene Layers Using Graphite Dispersion in Aqueous Surfactant Solutions. Journal of the Korean Physical Society, 2011, 58, 938-942.	0.7	46
8	Coexistence of bi-stable memory and mono-stable threshold resistance switching phenomena in amorphous NbOx films. Applied Physics Letters, 2012, 100, .	3.3	40
9	Phototransistors with Negative or Ambipolar Photoresponse Based on Asâ€Grown Heterostructures of Singleâ€Walled Carbon Nanotube and MoS₂. Advanced Functional Materials, 2018, 28, 1802572.	14.9	35
10	Highly Efficient Solar Steam Generation by Glassy Carbon Foam Coated with Two-Dimensional Metal Chalcogenides. ACS Applied Materials & Interfaces, 2020, 12, 2490-2496.	8.0	34
11	Characterization of hollow BaTiO3 nanofibers and intense visible photoluminescence. Journal of Applied Physics, 2013, 114, .	2.5	30
12	Bi-induced vibrational modes in GaAsBi. Superlattices and Microstructures, 2005, 37, 394-400.	3.1	29
13	Temperature dependence of the critical points of monolayer MoS₂by ellipsometry. Applied Spectroscopy Reviews, 2016, 51, 621-635.	6.7	27
14	Direct printing of aligned carbon nanotube patterns for high-performance thin film devices. Applied Physics Letters, 2009, 94, 053109.	3.3	26
15	Interface-Induced Seebeck Effect in PtSe₂/PtSe₂ van der Waals Homostructures. ACS Nano, 2022, 16, 3404-3416.	14.6	24
16	Functional Role of bdm During Flagella Biogenesis in Escherichia coli. Current Microbiology, 2015, 70, 369-373.	2.2	23
17	In-Depth Structural Characterization of 1T-VSe₂ Single Crystals Grown by Chemical Vapor Transport. Crystal Growth and Design, 2020, 20, 2860-2865.	3.0	21
18	Polarized Raman spectroscopy with differing angles of laser incidence on single-layer graphene. Nanoscale Research Letters, 2015, 10, 45.	5.7	20

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19	Simple synthesis of high-quality CdS nanowires using Au nanoparticles as catalyst. Journal of Alloys and Compounds, 2016, 659, 38-43.	5.5	19
20	Simple synthesis of ultra-high quality In2S3 thin films on InAs substrates. Journal of Alloys and Compounds, 2016, 685, 518-522.	5.5	18
21	Multiple spin-orbit excitons in Î±-RuCl3 from bulk to atomically thin layers. Npj Quantum Materials, 2021, 6, .	5.2	18
22	Simultaneous growth of Ga₂S₃ and GaS thin films using physical vapor deposition with GaS powder as a single precursor. Nanotechnology, 2019, 30, 384001.	2.6	15
23	Plasmonâ€“Exciton Interactions in Hybrid Structures of Au Nanohemispheres and CdS Nanowires for Improved Photoconductive Devices. Journal of Physical Chemistry C, 2013, 117, 24543-24548.	3.1	13
24	Enhanced protein-mediated binding between oligonucleotideâ€“gold nanoparticle composites and cell surfaces: co-transport of proteins and composites. Journal of Materials Chemistry, 2012, 22, 25036.	6.7	12
25	Impact of Hâ€Doping on nâ€Type TMD Channels for Lowâ€Temperature Bandâ€Like Transport. Small, 2019, 15, e1901793.	10.0	11
26	Selective Growth and Robust Valley Polarization of Bilayer 3R-MoS₂. ACS Applied Materials & Interfaces, 2021, 13, 57588-57596.	8.0	10
27	Highly luminescent In2S3 thin films with preferred growth direction of [1 0 3]. Applied Surface Science, 2021, 555, 149706.	6.1	9
28	Tuning of Thermoelectric Properties of MoSe2 Thin Films Under Helium Ion Irradiation. Nanoscale Research Letters, 2022, 17, 26.	5.7	9
29	Metal-particle-induced enhancement of the photoluminescence from biomolecule-functionalized carbon nanotubes. Nanoscale Research Letters, 2014, 9, 85.	5.7	6
30	Evolution of amorphous carbon films into nano-crystalline graphite with increasing growth temperature in plasma-enhanced chemical vapor deposition. Current Applied Physics, 2021, 23, 52-56.	2.4	6
31	Characterization of electrical and structural properties of strained-Si-on-insulator layers. Applied Physics Letters, 2008, 92, 083507.	3.3	5
32	Bosonic spinons in anisotropic triangular antiferromagnets. Nature Communications, 2021, 12, 6453.	12.8	5
33	Bias-controlled multi-functional transport properties of InSe/BP van der Waals heterostructures. Scientific Reports, 2021, 11, 7843.	3.3	4
34	Extrinsic Surface Magnetic Anisotropy Contribution in Pt/Y₃Fe₅O₁₂Interface in Longitudinal Spin Seebeck Effect by Graphene Interlayer. ACS Applied Materials & Interfaces, 2021, 13, 45097-45104.	8.0	4
35	Dispersion Efficiency of Carbon Nanotubes in Deoxycholate Sodium Salts Aqueous Solutions. Journal of the Korean Physical Society, 2010, 56, 1391-1394.	0.7	4
36	Thickness-dependent in-plane anisotropy of GaTe phonons. Scientific Reports, 2021, 11, 21202.	3.3	4

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37	Noncubic local distortions and spin-orbit excitons in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">K</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">IrCl</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical Review B, 2022, 105, .	3.2	4
38	Functionalization of single-walled carbon nanotubes with ribonucleic acids. Journal of the Korean Physical Society, 2013, 63, 2199-2203.	0.7	2
39	Comparative study on raman and photoluminescence spectra of carbon nanotubes dispersed in different surfactant solutions. Journal of the Korean Physical Society, 2012, 60, 1301-1304.	0.7	1
40	Circularly polarized Raman study on diamond structure crystals. Journal of the Korean Physical Society, 2018, 72, 249-253.	0.7	1
41	Effect of the molecular weight and the concentration of polyoxyethylene nonylphenyl ether on the dispersion efficiency of single-walled carbon nanotubes in aqueous solutions. Journal of the Korean Physical Society, 2012, 60, 1245-1248.	0.7	0
42	Functionalization of graphene with single-stranded DNA. Journal of the Korean Physical Society, 2015, 67, 1952-1956.	0.7	0