

Maeng-Je Seong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4869637/publications.pdf>

Version: 2024-02-01

42
papers

926
citations

394421

19
h-index

454955

30
g-index

42
all docs

42
docs citations

42
times ranked

1975
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface-Induced Seebeck Effect in PtSe ₂ /PtSe ₂ van der Waals Homostructures. ACS Nano, 2022, 16, 3404-3416.	14.6	24
2	Tuning of Thermoelectric Properties of MoSe ₂ Thin Films Under Helium Ion Irradiation. Nanoscale Research Letters, 2022, 17, 26.	5.7	9
3	Noncubic local distortions and spin-orbit excitons in K_2IrCl_6 . Physical Review B, 2022, 105, .	3.2	4
4	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
5	Bias-controlled multi-functional transport properties of InSe/BP van der Waals heterostructures. Scientific Reports, 2021, 11, 7843.	3.3	4
6	Multiple spin-orbit excitons in $\hat{\Gamma}$ -RuCl ₃ from bulk to atomically thin layers. Npj Quantum Materials, 2021, 6, .	5.2	18
7	Highly luminescent In ₂ S ₃ thin films with preferred growth direction of [1 0 3]. Applied Surface Science, 2021, 555, 149706.	6.1	9
8	Extrinsic Surface Magnetic Anisotropy Contribution in Pt/Y ₃ Fe ₅ O ₁₂ Interface in Longitudinal Spin Seebeck Effect by Graphene Interlayer. ACS Applied Materials & Interfaces, 2021, 13, 45097-45104.	8.0	4
9	Thickness-dependent in-plane anisotropy of GaTe phonons. Scientific Reports, 2021, 11, 21202.	3.3	4
10	Bosonic spinons in anisotropic triangular antiferromagnets. Nature Communications, 2021, 12, 6453.	12.8	5
11	Selective Growth and Robust Valley Polarization of Bilayer R-MoS ₂ . ACS Applied Materials & Interfaces, 2021, 13, 57588-57596.	8.0	10
12	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
13	In-Depth Structural Characterization of 1T-VSe ₂ Single Crystals Grown by Chemical Vapor Transport. Crystal Growth and Design, 2020, 20, 2860-2865.	3.0	21
14	Impact of H ⁺ -Doping on n ⁺ -Type TMD Channels for Low-Temperature Band-Like Transport. Small, 2019, 15, e1901793.	10.0	11
15	Simultaneous growth of Ga ₂ S ₃ and GaS thin films using physical vapor deposition with GaS powder as a single precursor. Nanotechnology, 2019, 30, 384001.	2.6	15
16	Circularly polarized Raman study on diamond structure crystals. Journal of the Korean Physical Society, 2018, 72, 249-253.	0.7	1
17	Phototransistors with Negative or Ambipolar Photoresponse Based on As-Grown Heterostructures of Single-Walled Carbon Nanotube and MoS ₂ . Advanced Functional Materials, 2018, 28, 1802572.	14.9	35
18	Impact of Selenium Doping on Resonant Second-Harmonic Generation in Monolayer MoS ₂ . ACS Photonics, 2017, 4, 38-44.	6.6	75

#	ARTICLE	IF	CITATIONS
19	Growth and Simultaneous Valleys Manipulation of Two-Dimensional MoSe ₂ -WSe ₂ Lateral Heterostructure. ACS Nano, 2017, 11, 8822-8829.	14.6	54
20	Nonlinear optical characteristics of monolayer MoSe ₂ . Annalen Der Physik, 2016, 528, 551-559.	2.4	59
21	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
22	Simple synthesis of ultra-high quality In ₂ S ₃ thin films on InAs substrates. Journal of Alloys and Compounds, 2016, 685, 518-522.	5.5	18
23	Temperature dependence of the critical points of monolayer MoS ₂ by ellipsometry. Applied Spectroscopy Reviews, 2016, 51, 621-635.	6.7	27
24	Simple synthesis of high-quality CdS nanowires using Au nanoparticles as catalyst. Journal of Alloys and Compounds, 2016, 659, 38-43.	5.5	19
25	Functionalization of graphene with single-stranded DNA. Journal of the Korean Physical Society, 2015, 67, 1952-1956.	0.7	0
26	Functional Role of bdm During Flagella Biogenesis in Escherichia coli. Current Microbiology, 2015, 70, 369-373.	2.2	23
27	Polarized Raman spectroscopy with differing angles of laser incidence on single-layer graphene. Nanoscale Research Letters, 2015, 10, 45.	5.7	20
28	Metal-particle-induced enhancement of the photoluminescence from biomolecule-functionalized carbon nanotubes. Nanoscale Research Letters, 2014, 9, 85.	5.7	6
29	Gold nanoparticle-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
30	Direct vapor phase growth process and robust photoluminescence properties of large area MoS ₂ layers. Nano Research, 2014, 7, 1759-1768.	10.4	109
31	Plasmon-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
32	Functionalization of single-walled carbon nanotubes with ribonucleic acids. Journal of the Korean Physical Society, 2013, 63, 2199-2203.	0.7	2
33	Characterization of hollow BaTiO ₃ nanofibers and intense visible photoluminescence. Journal of Applied Physics, 2013, 114, .	2.5	30
34	Coexistence of bi-stable memory and mono-stable threshold resistance switching phenomena in amorphous NbOx films. Applied Physics Letters, 2012, 100, .	3.3	40
35	Enhanced protein-mediated binding between oligonucleotide-gold nanoparticle composites and cell surfaces: co-transport of proteins and composites. Journal of Materials Chemistry, 2012, 22, 25036.	6.7	12
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Synthesis of Graphene Layers Using Graphite Dispersion in Aqueous Surfactant Solutions. Journal of the Korean Physical Society, 2011, 58, 938-942.	0.7	46
39	Dispersion Efficiency of Carbon Nanotubes in Deoxycholate Sodium Salts Aqueous Solutions. Journal of the Korean Physical Society, 2010, 56, 1391-1394.	0.7	4
40	Direct printing of aligned carbon nanotube patterns for high-performance thin film devices. Applied Physics Letters, 2009, 94, 053109.	3.3	26
41	Characterization of electrical and structural properties of strained-Si-on-insulator layers. Applied Physics Letters, 2008, 92, 083507.	3.3	5
42	Bi-induced vibrational modes in GaAsBi. Superlattices and Microstructures, 2005, 37, 394-400.	3.1	29