

# Joon-Seok Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

2,396  
citations

623734

14  
h-index

940533

16  
g-index

19  
all docs

19  
docs citations

19  
times ranked

4956  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, vibrational, and electronic topological transitions of Bi <sub>1.5</sub> Sb <sub>0.5</sub> Te <sub>1.8</sub> Se <sub>1.2</sub> under pressure. Journal of Applied Physics, 2018, 123, .	2.5	14
2	Towards band structure and band offset engineering of monolayer Mo <sub>2</sub> W <sub>2</sub> S <sub>2</sub> (1 <sup>st</sup> ) via Strain. 2D Materials, 2018, 5, 015008.	4.4	28
3	A review on mechanics and mechanical properties of 2D materials—Graphene and beyond. Extreme Mechanics Letters, 2017, 13, 42-77.	4.1	920
4	Experimental evidence of exciton capture by mid-gap defects in CVD grown monolayer MoSe <sub>2</sub> . Npj 2D Materials and Applications, 2017, 1, .	7.9	56
5	Highly-stable black phosphorus field-effect transistors with low density of oxide traps. Npj 2D Materials and Applications, 2017, 1, .	7.9	57
6	Accurate mapping of oxide traps in highly-stable black phosphorus FETs. , 2017, , .		0
7	Reliability of black phosphorus field-effect transistors with respect to bias-temperature and hot-carrier stress. , 2017, , .		1
8	Pressure-Induced Charge Transfer Doping of Monolayer Graphene/MoS <sub>2</sub> Heterostructure. Small, 2016, 12, 4063-4069.	10.0	45
9	High pressure Raman study of layered Mo <sub>0.5</sub> W <sub>0.5</sub> S <sub>2</sub> ternary compound. 2D Materials, 2016, 3, 025003.	4.4	20
10	Origin of superconductivity in the Weyl semimetal $WT_2e_2$ under pressure. Physical Review B, 2016, 94, .	3.2	91
11	Laser-assisted oxidation of multi-layer tungsten diselenide nanosheets. Applied Physics Letters, 2016, 108, .	3.3	25
12	Long-Term Stability and Reliability of Black Phosphorus Field-Effect Transistors. ACS Nano, 2016, 10, 9543-9549.	14.6	158
13	Large area chemical vapor deposition growth of monolayer MoSe <sub>2</sub> and its controlled sulfurization to MoS <sub>2</sub> . Journal of Materials Research, 2016, 31, 917-922.	2.6	14
14	Large-Area Dry Transfer of Single-Crystalline Epitaxial Bismuth Thin Films. Nano Letters, 2016, 16, 6931-6938.	9.1	87
15	Characterization and sonochemical synthesis of black phosphorus from red phosphorus. 2D Materials, 2016, 3, 014007.	4.4	57
16	Flexible Black Phosphorus Ambipolar Transistors, Circuits and AM Demodulator. Nano Letters, 2015, 15, 1883-1890.	9.1	394
17	Thermal Oxidation of WSe <sub>2</sub> Nanosheets Adhered on SiO <sub>2</sub> /Si Substrates. Nano Letters, 2015, 15, 4979-4984.	9.1	84
18	Toward air-stable multilayer phosphorene thin-films and transistors. Scientific Reports, 2015, 5, 8989.	3.3	344

#	ARTICLE	IF	CITATIONS
19	(Invited) silicene and phosphorene: Progress on the intriguing case of buckled atomic sheets., 2015, , .		1