

# David K Sang

## List of Publications by Year in descending order

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11  
papers

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| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | High-performance polarization-sensitive photodetectors on two-dimensional $\text{In}_2\text{Se}_3$ . National Science Review, 2022, 9, nwab098.  | 9.5  | 75        |
| 2  | Evolutional carrier mobility and power factor of two-dimensional tin telluride due to quantum size effects. Journal of Materials Chemistry C, 2020, 8, 4181-4191.  | 5.5  | 11        |
| 3  | Recent Developments in Stability and Passivation Techniques of Phosphorene toward Next-Generation Device Applications. Advanced Functional Materials, 2019, 29, 1903419.   | 14.9 | 113       |
| 4  | Electronic and Optical Properties of Two-Dimensional Tellurene: From First-Principles Calculations. Nanomaterials, 2019, 9, 1075.  | 4.1  | 40        |
| 5  | Liquefaction of water on the surface of anisotropic two-dimensional atomic layered black phosphorus. Nature Communications, 2019, 10, 4062.  | 12.8 | 37        |
| 6  | Black Phosphorous Photodetectors: Black Phosphorous/Indium Selenide Photoconductive Detector for Visible and Near-Infrared Light with High Sensitivity (Advanced Optical Materials 12/2019). Advanced Optical Materials, 2019, 7, 1970047. | 7.3  | 3         |
| 7  | Black Phosphorous/Indium Selenide Photoconductive Detector for Visible and Near-Infrared Light with High Sensitivity. Advanced Optical Materials, 2019, 7, 1900020.  | 7.3  | 89        |
| 8  | Two Dimensional $\text{In}_2\text{Se}_3$ with Layer-Dependent Properties: Band Alignment, Work Function and Optical Properties. Nanomaterials, 2019, 9, 82.  | 4.1  | 43        |
| 9  | Gold-patterned microarray chips for ultrasensitive surface-enhanced Raman scattering detection of ultratrace samples. Journal of Raman Spectroscopy, 2019, 50, 26-33.  | 2.5  | 9         |
| 10 | THz photonics in two dimensional materials and metamaterials: properties, devices and prospects. Journal of Materials Chemistry C, 2018, 6, 1291-1306.   | 5.5  | 124       |
| 11 | Interfacial Structures, Surface Tensions, and Contact Angles of Diiodomethane on Fluorinated Polymers. Journal of Physical Chemistry C, 2014, 118, 10143-10152.  | 3.1  | 25        |