

# CITATION REPORT

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## Ultrasensitive tunability of the direct bandgap of 2D InSe flakes via strain engineering

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#	Paper	IF	Citations
65	2D library beyond graphene and transition metal dichalcogenides: a focus on photodetection. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 6296-6341	58.5	145
64	Enhanced Light Emission from the Ridge of Two-Dimensional InSe Flakes. <i>Nano Letters</i> , <b>2018</b> , 18, 5078-5084	50.4	21
63	Dielectric and Optoelectronic Properties of InSe/CdS/CdSe Heterojunctions. <i>Journal of Electronic Materials</i> , <b>2018</b> , 47, 6583-6590	1.9	
62	Crystallographic and magnetic properties of van der Waals layered FePS3 crystal. <i>Chinese Physics B</i> , <b>2019</b> , 28, 056102	1.2	7
61	Self-assembly of a lateral quasi-Ohmic CuInSe2/InSe isotype heterojunction for flexible devices by pulsed laser deposition. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 162104	3.4	5
60	Probing Effective Out-of-Plane Piezoelectricity in van der Waals Layered Materials Induced by Flexoelectricity. <i>Small</i> , <b>2019</b> , 15, e1903106	11	16
59	Strain Effect on Thermoelectric Performance of InSe Monolayer. <i>Nanoscale Research Letters</i> , <b>2019</b> , 14, 287	5	17
58	High-Frequency Elastic Coupling at the Interface of van der Waals Nanolayers Imaged by Picosecond Ultrasonics. <i>ACS Nano</i> , <b>2019</b> , 13, 11530-11537	16.7	15
57	Drastic enhancement of the Raman intensity in few-layer InSe by uniaxial strain. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	18
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53	Dimensional Crossover in the Carrier Mobility of Two-Dimensional Semiconductors: The Case of InSe. <i>Nano Letters</i> , <b>2019</b> , 19, 1774-1781	11.5	34
52	Synchronous Enhancement for Responsivity and Response Speed in InSe Photodetector Modulated by Piezoresistive Effect. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 47098-47105	9.5	15
51	Predicted high thermoelectric performance in a two-dimensional indium telluride monolayer and its dependence on strain. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 24695-24701	3.6	15
50	Two-dimensional InSeF heterostructure: A tunable direct/indirect band gap semiconductor with nontrivially topological properties. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2019</b> , 106, 73-77	3	1
49	Thermoelectric performance of monolayer InSe improved by convergence of multivalley bands. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 082502	2.5	23

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47	Tunable electronic properties of multilayer InSe by alloy engineering for high performance self-powered photodetector. <i>Journal of Colloid and Interface Science</i> , <b>2020</b> , 565, 239-244	9.3	5
46	Optoelectronic and photonic devices based on transition metal dichalcogenides. <i>Materials Research Express</i> , <b>2020</b> , 7, 014002	1.7	31
45	Self-Erasable and Rewritable Optoexcitonic Platform for Antitamper Hardware. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2001287	8.1	0
44	Computational Study on Strain-Engineered Graphene Nanopores for Selective Gas Separation. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 11474-11480	5.6	5
43	The optical properties of few-layer InSe. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 060901	2.5	10
42	Temperature-dependent phonon mode and interband electronic transition evolutions of InSe films derived by pulsed laser deposition. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 102101	3.4	0
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31	Theory and Ab Initio Calculation of Optically Excited States-Recent Advances in 2D Materials. <i>Advanced Materials</i> , <b>2021</b> , 33, e1904306	24	7

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29	Anomalous Low Thermal Conductivity of Atomically Thin InSe Probed by Scanning Thermal Microscopy. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008967	15.6	4
28	Doping-free bandgap tunability in Fe <sub>2</sub> O <sub>3</sub> nanostructured films. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 5581-5588	5.1	3
27	Unusual Strain Dependence of Quasiparticle Electronic Structure, Exciton, and Optical Properties in Blue Phosphorene. <i>Physical Review Applied</i> , <b>2021</b> , 15,	4.3	1
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25	A Bi-Anti-Ambipolar Field Effect Transistor. <i>ACS Nano</i> , <b>2021</b> , 15, 8686-8693	16.7	11
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23	Strain-tuning of the electronic, optical, and vibrational properties of two-dimensional crystals. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 021318	17.3	15
22	Strain-Induced Bandgap Enhancement of InSe Ultrathin Films with Self-Formed Two-Dimensional Electron Gas. <i>ACS Nano</i> , <b>2021</b> , 15, 10700-10709	16.7	3
21	Effect of surface morphology on macroscale and microscale optical properties of layered InSe grown by molecular beam epitaxy. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2021</b> , 38, 2579	1.7	0
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