

CITATION REPORT

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Electrical devices from top-down structured platinum diselenide films

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#	Paper	IF	Citations
62	Temperature dependence of Raman responses of few-layer PtS. <i>Nanotechnology</i> , 2018 , 29, 505709	3.4	15
61	Observation of negative longitudinal magnetoresistance in the type-II Dirac semimetal PtSe ₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	20
60	Highly Sensitive Electromechanical Piezoresistive Pressure Sensors Based on Large-Area Layered PtSe Films. <i>Nano Letters</i> , 2018 , 18, 3738-3745	11.5	82
59	PtSe ₂ grown directly on polymer foil for use as a robust piezoresistive sensor. <i>2D Materials</i> , 2019 , 6, 045029	5.9	21
58	Two-Dimensional/Three-Dimensional Schottky Junction Photovoltaic Devices Realized by the Direct CVD Growth of vdW 2D PtSe Layers on Silicon. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27251-27258	9.5	29
57	Nonlinear Optical Signatures of the Transition from Semiconductor to Semimetal in PtSe ₂ . <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900052	8.3	46
56	Ultrafast Carrier Dynamics and Bandgap Renormalization in Layered PtSe. <i>Small</i> , 2019 , 15, e1902728	11	35
55	Effects of Annealing Temperature and Ambient on Metal/PtSe Contact Alloy Formation. <i>ACS Omega</i> , 2019 , 4, 17487-17493	3.9	6
54	Surface-State Assisted Carrier Recombination and Optical Nonlinearities in Bulk to 2D Nonlayered PtS. <i>ACS Nano</i> , 2019 , 13, 13390-13402	16.7	22
53	Quantum confinement-induced semimetal-to-semiconductor evolution in large-area ultra-thin PtSe ₂ films grown at 400 °C. <i>Npj 2D Materials and Applications</i> , 2019 , 3,	8.8	47
52	Multifunctional Two-Dimensional PtSe-Layer Kirigami Conductors with 2000% Stretchability and Metallic-to-Semiconducting Tunability. <i>Nano Letters</i> , 2019 , 19, 7598-7607	11.5	41
51	Large-area high quality PtSe ₂ thin film with versatile polarity. <i>Information Materials</i> , 2019 , 1, 260	23.1	26
50	Ultrafast nonlinear absorption and carrier relaxation in ReS ₂ and ReSe ₂ films. <i>Journal of Applied Physics</i> , 2019 , 125, 173105	2.5	10
49	Horizontal-to-Vertical Transition of 2D Layer Orientation in Low-Temperature Chemical Vapor Deposition-Grown PtSe and Its Influences on Electrical Properties and Device Applications. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13598-13607	9.5	44
48	Strategy for Fabricating Wafer-Scale Platinum Disulfide. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 8202-8209	9.5	29
47	Thickness-dependent ultrafast nonlinear absorption properties of PtSe ₂ films with both semiconducting and semimetallic phases. <i>Applied Physics Letters</i> , 2019 , 115, 263102	3.4	14
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44	Probing magnetism in atomically thin semiconducting PtSe. <i>Nature Communications</i> , 2020 , 11, 4806	17.4	28
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42	Isotropic conduction and negative photoconduction in ultrathin PtSe ₂ films. <i>Applied Physics Letters</i> , 2020 , 117, 193102	3.4	15
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2	PtSe ₂ Field-Effect Phototransistor with Positive and Negative Photoconductivity.		1
1	Highly conductive and long-term stable films from liquid-phase exfoliated platinum diselenide.		0