

Unusual Suppression of the Superconducting Energy Gap Atomically Thin NbSe₂

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Tunneling into the Vortex State of NbSe ₂ with van der Waals Junctions. Nano Letters, 2018, 18, 7845-7850.	4.5	20
3	Robust parity-mixed superconductivity in disordered monolayer transition metal dichalcogenides. Physical Review B, 2018, 98, .	1.1	45
4	CoSe ₂ -Decorated NbSe ₂ Nanosheets Fabricated via Cation Exchange for Li Storage. ACS Applied Materials & Interfaces, 2018, 10, 37773-37778.	4.0	18
5	Thickness dependence of superconductivity in single-crystal Ta ₄ Pd ₃ Te ₁₆ nanoribbons. Applied Physics Letters, 2018, 113, .	1.5	7
6	Enhanced superconductivity upon weakening of charge density wave transport in $Hg_{1-x}Mn_xTe$ in the two-dimensional limit. Physical Review B, 2018, 98, .	1.0	10
7	Disorder Enhanced Superconductivity toward TaS ₂ Monolayer. ACS Nano, 2018, 12, 9461-9466.	7.3	54
8	Influence of microfabrication on superconducting properties of exfoliated thin films of layered superconductor NbSe ₂ : reactive ion etching. Journal of Physics: Conference Series, 2019, 1293, 012005.	0.3	1
9	Influence of focused-ion-beam microfabrication on superconducting transition in exfoliated thin films of layered superconductor NbSe ₂ . Journal of Physics: Conference Series, 2019, 1293, 012006.	0.3	1
10	$FeTe_{1-x}Mn_x$ van der Waals tunneling devices. Physical Review B, 2019, 100, .	1.0	1
11	Location-selective growth of two-dimensional metallic/semiconducting transition metal dichalcogenide heterostructures. Nanoscale, 2019, 11, 4183-4189.	2.8	16
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13	Electron-phonon coupling and the coexistence of superconductivity and charge-density wave in monolayer $NbSe_2$. Physical Review B, 2019, 99, .	1.1	48
14	Phase slip lines in superconducting few-layer NbSe ₂ crystals. 2D Materials, 2019, 6, 025039.	2.0	21
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17	Prediction and Implementation of Graphene and Other Two-Dimensional Material Based Superconductors: A Review. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-9.	1.1	8
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19	Ising Superconductivity and Magnetism in $NbSe_2$. Physical Review X, 2020, 10, .	2.8	36

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20	Large enhancement of spin pumping due to the surface bound states in normal metal-superconductor structures. <i>Physical Review B</i> , 2020, 102, .	1.1	23
21	Proximity-induced superconducting gap in the quantum spin Hall edge state of monolayer WTe ₂ . <i>Nature Physics</i> , 2020, 16, 526-530.	6.5	76
22	Enhanced Superconductivity in Few-Layer TaS ₂ due to Healing by Oxygenation. <i>Nano Letters</i> , 2020, 20, 3808-3818.	4.5	23
23	Misfit Layer Compounds: A Platform for Heavily Doped 2D Transition Metal Dichalcogenides. <i>Advanced Functional Materials</i> , 2021, 31, 2007706.	7.8	17
24	Printable two-dimensional superconducting monolayers. <i>Nature Materials</i> , 2021, 20, 181-187.	13.3	102
25	The transport properties of ultrathin NbSe ₂ . <i>Superconductor Science and Technology</i> , 2021, 34, 025019.	1.8	4
26	Flux pinning in NbSe ₂ /CrGeTe ₃ heterostructures. <i>Physica C: Superconductivity and Its Applications</i> , 2021, 581, 1353803.	0.6	2
27	Superconductivity and High-Pressure Performance of 2D MoC Crystals. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2219-2225.	2.1	3
28	Recent Advances in 2D Superconductors. <i>Advanced Materials</i> , 2021, 33, e2006124.	11.1	68
29	Planar graphene-NbSe ₂ Josephson junctions in a parallel magnetic field. <i>Physical Review B</i> , 2021, 103, .	11.1	68
30	Van Der Waals Heterostructures Based on Atomically Thin Superconductors. <i>Advanced Electronic Materials</i> , 2021, 7, 2000987.	2.6	15
31	Enhanced superconductivity in bilayer PtTe ₂ by alkali-metal intercalations. <i>Physical Review B</i> , 2021, 103, .	11.1	68
32	Superconducting Quantum Interference in Twisted van der Waals Heterostructures. <i>Nano Letters</i> , 2021, 21, 6725-6731.	4.5	21
33	The metallic nature of two-dimensional transition-metal dichalcogenides and MXenes. <i>Surface Science Reports</i> , 2021, 76, 100542.	3.8	13
34	Integrating superconducting van der Waals materials on paper substrates. <i>Materials Advances</i> , 2021, 2, 3274-3281.	2.6	6
35	Effect of interorbital scattering on superconductivity in doped Dirac semimetals. <i>Physical Review Research</i> , 2020, 2, .	1.3	9
36	Enhancement of critical current density in a superconducting NbSe ₂ step junction. <i>Nanoscale</i> , 2020, 12, 12076-12082.	2.8	4
37	Making high-quality quantum microwave devices with van der Waals superconductors. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 103001.	0.7	2

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39	Multiple mechanisms of the low temperature photoresponse in niobium diselenide. Applied Physics Letters, 2021, 119, .	1.5	5
40	Multiband superconductivity in strongly hybridized $1\text{-WTe}_2/\text{NbSe}_2$ heterostructures. Physical Review B, 2022, 105, .		7
41	Proximity-Effect-Induced Anisotropic Superconductivity in a Monolayer Ni-Pb Binary Alloy. ACS Applied Materials & Interfaces, 2022, 14, 23990-23997.	4.0	3
42	van der Waals π -Josephson Junctions. Nano Letters, 2022, 22, 5510-5515.	4.5	9
43	Transport properties of few-layer NbSe ₂ : From electronic structure to thermoelectric properties. Materials Today Physics, 2022, 27, 100789.	2.9	5
44	The anisotropy of the 2-NbSe_2 in the superconducting and charge density wave states. Chinese Physics B, 0, , .	0.7	0
45	A novel magnetic tunnel junction fabricated by robust intrinsic van der Waals half-metals. Surfaces and Interfaces, 2022, 33, 102293.	1.5	1
46	Tailored Ising superconductivity in intercalated bulk NbSe ₂ . Nature Physics, 2022, 18, 1425-1430.	6.5	30
47	Tunneling Spectroscopy of Two-Dimensional Materials Based on Via Contacts. Nano Letters, 2022, 22, 8941-8948.	4.5	4
48	Tunneling spectroscopy of few-monolayer NbSe_2 in high magnetic fields: Triplet superconductivity and Ising protection. Physical Review B, 2022, 106, .		
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50	Planar tunneling spectroscopy on van der Waals superconductors with AlO _x junction grown by atomic layer deposition. Journal of Applied Physics, 2023, 133, .	1.1	1
51	Two-bands Ising superconductivity from Coulomb interactions in monolayer NbSe ₂ . 2D Materials, 2023, 10, 025008.	2.0	4
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54	Origin of Subgap States in Normal-Insulator-Superconductor van der Waals Heterostructures. Nano Letters, 2023, 23, 2454-2459.	4.5	0