

Spectroscopic evidence for a type II Weyl semimetallic

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Observation of Fermi arc and its connection with bulk states in the candidate type-II Weyl semimetal WTe_2 . Physical Review B, 2016, 94, .	1.1	182
2	Raman signatures of inversion symmetry breaking and structural phase transition in type-II Weyl semimetal MoTe_2 . Nature Communications, 2016, 7, 13552.	5.8	118
3	Discovery of a new type of topological Weyl fermion semimetal state in $\text{Mo}_x\text{W}_{1-x}\text{Te}_2$. Nature Communications, 2016, 7, 13643.	5.8	163
4	Supercurrent-induced skyrmion dynamics and tunable Weyl points in chiral magnet with superconductivity. Physical Review B, 2016, 94, .	1.1	8
5	Electrodynamical response of the type-II Weyl semimetal YbMnBi_2 . Physical Review B, 2016, 94, .	1.1	115
6	Phonon anharmonicity in bulk Td-MoTe_2 . Applied Physics Letters, 2016, 109, .	1.5	27
7	Experimental observation of topological Fermi arcs in type-II Weyl semimetal MoTe_2 . Nature Physics, 2016, 12, 1105-1110.	6.5	663
8	Hall effect within the colossal magnetoresistive semimetallic state of MoTe_2 . Physical Review B, 2016, 94, .	1.1	69
9	Type-II Dirac fermions in the PtSe_2 class of transition metal dichalcogenides. Physical Review B, 2016, 94, .	1.1	236
10	Characterization of Few-Layer $\text{1T}'\text{MoTe}_2$ by Polarization-Resolved Second Harmonic Generation and Raman Scattering. ACS Nano, 2016, 10, 9626-9636.	7.3	148
11	Fermi arc electronic structure and Chern numbers in the type-II Weyl semimetal candidate WTe_2 . Physical Review B, 2016, 94, .	1.1	115
12	Asymmetric mass acquisition in LaBi : Topological semimetal candidate. Physical Review B, 2016, 94, .	1.1	52
13	Type-II Weyl points in three-dimensional cold-atom optical lattices. Physical Review A, 2016, 94, .	1.0	49
14	Observation of Fermi arcs in the type-II Weyl semimetal candidate WTe_2 . Physical Review B, 2016, 94, .	1.1	115
15	Activation of New Raman Modes by Inversion Symmetry Breaking in Type II Weyl Semimetal Candidate $\text{1T}'\text{MoTe}_2$. Nano Letters, 2016, 16, 5852-5860.	4.5	102
16	Observation of large topologically trivial Fermi arcs in the candidate type-II Weyl semimetal WTe_2 . Physical Review B, 2016, 94, .	1.1	174
17	Spin texture in type-II Weyl semimetal WTe_2 . Physical Review B, 2016, 94, .	1.1	115
18	Weyl semimetals, Fermi arcs and chiral anomalies. Nature Materials, 2016, 15, 1140-1144.	13.3	255

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20	Signature of type-II Weyl semimetal phase in MoTe_2 . Nature Communications, 2017, 8, 13973.	5.8	358
21	Topological Materials: Weyl Semimetals. Annual Review of Condensed Matter Physics, 2017, 8, 337-354.	5.2	1,110
22	In-plane MoTe_2 Homojunctions Synthesized by Flux-Controlled Phase Engineering. Advanced Materials, 2017, 29, 1605461.	11.1	97
23	Determination of Crystal Axes in Semimetallic MoTe_2 by Polarized Raman Spectroscopy. Advanced Functional Materials, 2017, 27, 1604799.	7.8	47
24	Experimental Observation of Anisotropic Adler-Bell-Jackiw Anomaly in Type-II Weyl Semimetal Crystals at the Quasiclassical Regime. Physical Review Letters, 2017, 118, 096603. Observation of spin-polarized bands and domain-dependent Fermi arcs in polar Weyl semimetal	2.9	114
25	Observation of spin-polarized bands and domain-dependent Fermi arcs in polar Weyl semimetal MoTe_2 . Physical Review B, 2017, 95, .	1.1	27
26	Topologically insulating states in ternary transition metal dichalcogenides. Journal of Applied Physics, 2017, 121, 024303.	1.1	5
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33	Persistence of a surface state arc in the topologically trivial phase of MoTe_2 . Physical Review B, 2017, 95, .	1.1	17
34	Composition and temperature-dependent phase transition in miscible $\text{Mo}_{1-x}\text{W}_x\text{Te}_2$ single crystals. Scientific Reports, 2017, 7, 44587.	1.6	58
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36	Minimal models for topological Weyl semimetals. Physical Review B, 2017, 95, .	1.1	77

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38	Effect of the type-I to type-II Weyl semimetal topological transition on superconductivity. <i>Physical Review B</i> , 2017, 95, .	1.1	48
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42	Unconventional quantum Hall effects in two-dimensional massive spin-1 fermion systems. <i>Physical Review B</i> , 2017, 96, .	1.1	45
43	Recent advances in ternary two-dimensional materials: synthesis, properties and applications. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22855-22876.	5.2	137
44	ARPES studies of the inverse perovskite $Ca_3W_2Te_6$: Experimental confirmation of a candidate 3D Dirac fermion system. <i>Physical Review B</i> , 2017, 96, .	1.1	9
45	Hidden type-II Weyl points in the Weyl semimetal NbP. <i>Physical Review B</i> , 2017, 96, .	1.1	9
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47	Quantum oscillations in Weyl semimetals: A surface theory approach. <i>Physical Review B</i> , 2017, 96, .	1.1	12
48	Quasiparticle interference of surface states in the type-II Weyl semimetal WTe_2 . <i>Physical Review B</i> , 2017, 96, .	1.1	22
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56	The structural phases and vibrational properties of Mo $1-x$ W x Te 2 alloys. 2D Materials, 2017, 4, 045008.	2.0	65
57	Experimental evidence for type-II Dirac semimetal in PtSe_2 . Physical Review B, 2017, 96, .	1.1	7
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72	Signatures of a time-reversal symmetric Weyl semimetal with only four Weyl points. Nature Communications, 2017, 8, 942.	5.8	98

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99	Heat capacity evidence for conventional superconductivity in the type-II Dirac semimetal PdTe_2 . <i>Physical Review B</i> , 2018, 97, .	1.1	26
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110	Physical Review B, 2018, 97, . Metallic Twin Boundaries Boost the Hydrogen Evolution Reaction on the Basal Plane of Molybdenum Selenotellurides. Advanced Energy Materials, 2018, 8, 1800031.	10.2	80
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128	Different Topological Quantum States in Ternary Zintl compounds: BaCaX (X = Si, Ge, Sn and Pb). Journal of Physical Chemistry C, 2018, 122, 705-713.	1.5	14
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176	Single-crystalline Nanobelts Composed of Transition Metal Ditellurides. <i>Advanced Materials</i> , 2018, 30, e1707260.	11.1	18
177	Inducing Strong Superconductivity in WTe_2 by a Proximity Effect. <i>ACS Nano</i> , 2018, 12, 7185-7196.	7.3	48
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201	Electrodynamics of tilted Dirac and Weyl materials: A unique platform for unusual surface plasmon polaritons. Physical Review B, 2019, 100, .	1.1	15
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202	Layer-dependent spin-orbit torques generated by the centrosymmetric transition metal dichalcogenide Higher-Order Topology, Monopole Nodal Lines, and the Origin of Large Fermi Arcs in Transition Metal Dichalcogenides	1.1	61
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203	X_{Te}		
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217	Nernst thermopower of time-reversal breaking type-II Weyl semimetals. Physical Review B, 2019, 99, .	1.1	3
218	Discovery of Superconductivity in $2MWS_2$ with Possible Topological Surface States. Advanced Materials, 2019, 31, e1901942.	11.1	102
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225	Topological gapless matters in three-dimensional ultracold atomic gases. Frontiers of Physics, 2019, 14, 1.	2.4	21
226	Magnetotransport Properties of Layered Topological Material $ZrTe_2$ Thin Film. ACS Nano, 2019, 13, 6008-6016.	7.3	33
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236	Transport of Topological Semimetals. Annual Review of Materials Research, 2019, 49, 207-252.	4.3	155
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