

Topological node-line semimetal in compressed black p

Physical Review B

94,

DOI: [10.1103/physrevb.94.195104](https://doi.org/10.1103/physrevb.94.195104)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Graphite on graphite. JETP Letters, 2016, 104, 880-882.	0.4	4
2	Topological Dirac nodal lines and surface charges in fcc alkaline earth metals. Nature Communications, 2017, 8, 14022.	5.8	139
3	Universal edge bands induced by linearly polarized irradiation on phosphorene. New Journal of Physics, 2017, 19, 013004.	1.2	4
4	Pressure-induced topological phase transitions and strongly anisotropic magnetoresistance in bulk black phosphorus. Physical Review B, 2017, 95, .	1.1	33
5	Topological nodal line semimetals in the CaP_3 family of materials. Physical Review B, 2017, 95, .	1.1	191
6	Correlation effects and quantum oscillations in topological nodal-loop semimetals. Physical Review B, 2017, 95, .	1.1	73
7	Emergence of topological semimetals in gap closing in semiconductors without inversion symmetry. Science Advances, 2017, 3, e1602680.	4.7	62
8	Two-carrier analyses of the transport properties of black phosphorus under pressure. Physical Review B, 2017, 95, .	1.1	28
9	ARPES studies of the inverse perovskite Ca_3P_2 : Experimental confirmation of a candidate 3D Dirac fermion system. Physical Review B, 2017, 96, .	1.1	26
10	Universal phase transition and band structures for spinless nodal-line and Weyl semimetals. Physical Review B, 2017, 96, .	1.1	22
11	Robust and Pristine Topological Dirac Semimetal Phase in Pressured Two-Dimensional Black Phosphorus. Journal of Physical Chemistry C, 2017, 121, 20931-20936.	1.5	18
12	Topological nodal-line semimetal in nonsymmorphic Ag_2S - phase. Physical Review B, 2017, 96, .	1.1	29
13	From Nodal Chain Semimetal to Weyl Semimetal in HfC. Physical Review Letters, 2017, 119, 036401.	2.9	128
14	Floquet multi-Weyl points in crossing-nodal-line semimetals. Physical Review B, 2017, 96, .	1.1	48
15	Single Nodal Loop of Accidental Degeneracies in Minimal Symmetry: Triclinic CaAs_3 . Physical Review Letters, 2017, 118, 176402.	2.9	42
16	From Multiple Nodal Chain to Dirac/Weyl Semimetal and Topological Insulator in Ternary Hexagonal Materials. Journal of Physical Chemistry C, 2017, 121, 28587-28593.	1.5	21
17	Model for ferromagnetic Weyl and nodal line semimetals: Topological invariants, surface states, anomalous and spin Hall effect. Physical Review B, 2017, 96, .	1.1	15
18	Two-Dimensional Dirac Fermions Protected by Space-Time Inversion Symmetry in Black Phosphorus. Physical Review Letters, 2017, 119, 226801.	2.9	72

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19	Topological surface electronic states in candidate nodal-line semimetal CaAgAs. <i>Physical Review B</i> , 2017, 96, .	1.1	51
20	Interacting nodal-line semimetal: Proximity effect and spontaneous symmetry breaking. <i>Physical Review B</i> , 2017, 96, .	1.1	55
21	Topological semimetals with a double-helix nodal link. <i>Physical Review B</i> , 2017, 96, .	1.1	157
22	Electron-hole balance and the anomalous pressure-dependent superconductivity in black phosphorus. <i>Physical Review B</i> , 2017, 96, .	1.1	37
23	Orthorhombic carbon oC24: A novel topological nodal line semimetal. <i>Carbon</i> , 2018, 133, 39-43.	5.4	48
24	Symmorphic Intersecting Nodal Rings in Semiconducting Layers. <i>Physical Review Letters</i> , 2018, 120, 106403.	2.9	42
25	Hopf-link topological nodal-loop semimetals. <i>Physical Review B</i> , 2018, 97, .	1.1	52
26	Rules for Phase Shifts of Quantum Oscillations in Topological Nodal-Line Semimetals. <i>Physical Review Letters</i> , 2018, 120, 146602.	2.9	82
27	Spin quenching assisted by a strongly anisotropic compression behavior in MnP. <i>New Journal of Physics</i> , 2018, 20, 023012.	1.2	5
28	Observation of Dirac-like energy band and ring-torus Fermi surface associated with the nodal line in topological insulator CaAgAs. <i>Npj Quantum Materials</i> , 2018, 3, .	1.8	93
29	Topological Semimetals Studied by Ab Initio Calculations. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 041002.	0.7	39
30	Hybrid nodal loop metal: Unconventional magnetoresistance and material realization. <i>Physical Review B</i> , 2018, 97, .	1.1	75
31	Recent Progress in the Study of Topological Semimetals. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 041001.	0.7	118
32	Fraunhofer response and supercurrent spin switching in black phosphorus with strain and disorder. <i>Physical Review B</i> , 2018, 98, .	1.1	33
33	Influences of strains on the formation of the quasi-Dirac cone and the Landau levels in black phosphorus. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 3423-3428.	0.9	1
34	Proposal for Detecting Nodal-Line Semimetal Surface States with Resonant Spin-Flipped Reflection. <i>Physical Review Letters</i> , 2018, 121, 166802.	2.9	37
35	Dirac nodal line in bilayer borophene: Tight-binding model and low-energy effective Hamiltonian. <i>Physical Review B</i> , 2018, 98, .	1.1	29
36	Band Topology and Linking Structure of Nodal Line Semimetals with $\sum_{\mathbf{k}} \mathbf{Z} \cdot \mathbf{m}_k > 2$ Monopole Charges. <i>Physical Review Letters</i> , 2018, 121, 106403.	2.9	164

#	ARTICLE	IF	CITATIONS
37	Magnetic field induced metal-insulator transition in single nodal ring topological semimetals. Journal of Physics Condensed Matter, 2018, 30, 285501.	0.7	3
38	Hourglasslike nodal net semimetal in Ag_2S . Physical Review B, 2018, 98, .	1.2	18
39	Photoinduced Nonequilibrium Topological States in Strained Black Phosphorus. Physical Review Letters, 2018, 120, 237403.	2.9	80
40	Topological nodal line semimetals in graphene network structures. Advances in Physics: X, 2019, 4, 1625724.	1.5	9
41	Ferromagnetic nodal-line metal in monolayer h-InC . Physical Review B, 2019, 100, .	1.1	14
42	Local evolutions of nodal points in two-dimensional systems with chiral symmetry. Chinese Physics B, 2019, 28, 077101.	0.7	0
43	Topological Semimetals from First Principles. Annual Review of Materials Research, 2019, 49, 153-183.	4.3	154
44	Interplay of Charged States and Oxygen Dissociation Induced by Vacancies in Phosphorene. Journal of Physical Chemistry C, 2019, 123, 27080-27087.	1.5	8
45	Large Fermi arc and robust Weyl semimetal phase in Ag_2S . Physical Review B, 2019, 100, .	1.1	6
46	Triaxial strain engineering of magnetic phase in phosphorene. Journal of Applied Physics, 2019, 126, .	1.1	3
47	Origin of the butterfly magnetoresistance in a Dirac nodal-line system. Physical Review B, 2019, 100, .	1.1	13
48	Robust topological nodal lines in halide carbides. Physical Chemistry Chemical Physics, 2019, 21, 20262-20268.	1.3	10
49	Topological properties of the intermetallic compounds $\text{Sc-TM}(\text{TM}=\text{Cd}, \text{Ag}, \text{Cu}, \text{Hg}, \text{Au})$. Computational Materials Science, 2019, 160, 275-278.	1.4	4
50	Strain engineering of optical activity in phosphorene. RSC Advances, 2019, 9, 19006-19015.	1.7	23
51	Optical interband transitions in strained phosphorene. Physical Chemistry Chemical Physics, 2019, 21, 15133-15141.	1.3	17
52	Weak Localization and Antilocalization in Nodal-Line Semimetals: Dimensionality and Topological Effects. Physical Review Letters, 2019, 122, 196603.	2.9	48
53	Quantum transport in topological semimetals under magnetic fields (II). Frontiers of Physics, 2019, 14, 1.	2.4	26
54	Hopf-chain networks evolved from triple points. Physical Review B, 2019, 99, .	1.1	17

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55	Flat AgTe Honeycomb Monolayer on Ag(111). Journal of Physical Chemistry Letters, 2019, 10, 1866-1871.	2.1	28
56	Topological dual double node-line semimetals NaAlSi(Ge) and their potential as cathode material for sodium ion batteries. Journal of Materials Chemistry C, 2019, 7, 15375-15381.	2.7	34
57	Topological nodal line states in three-dimensional ball-and-stick sonic crystals. Physical Review B, 2019, 100, .	1.1	16
58	Topological nodal-line semimetals in ferromagnetic rare-earth-metal monohalides. Physical Review B, 2019, 99, .	1.1	51
59	Interaction-Driven Surface Chern Insulator in Nodal Line Semimetals. Physical Review Letters, 2019, 122, 016803.	2.9	21
60	Electronic structure of bulk and multilayer black phosphorus under strain: a minimal model study. Physica Scripta, 2020, 95, 035805.	1.2	1
61	Theoretical study of the microscopic origin of magnetocrystalline anisotropy in Fe_{16}N_2 and its alloys: comparison with the other L1_0 alloys. Journal of Physics Condensed Matter, 2020, 32, 035801.	0.7	12
62	Anisotropic basic electronic properties of strained black phosphorene. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 124, 114323.	1.3	15
63	Quantum Transport Signatures of a Close Candidate for a Type II Nodal-Line Semimetal. Journal of Physical Chemistry Letters, 2020, 11, 6475-6481.	2.1	13
64	Transport properties of Majorana drumhead surface states in topological nodal-ring superconductors. Physical Review B, 2020, 102, .	1.1	11
65	Fermionic Analogue of High Temperature Hawking Radiation in Black Phosphorus. Chinese Physics Letters, 2020, 37, 067101.	1.3	18
66	Electronic properties of a graphyne- N monolayer and its multilayer: Even-odd effect and topological nodal line semimetallic phases. Physical Review B, 2020, 102, .	1.1	0
67	Ferromagnetic hybrid nodal loop and switchable type-I and type-II Weyl fermions in two dimensions. Physical Review B, 2020, 102, .	1.1	75
68	Prediction of nodal-line semimetals in two-dimensional black phosphorous films. Scientific Reports, 2020, 10, 21351.	1.6	3
69	Non-Abelian topology of nodal-line rings in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetric systems. Physical Review B, 2020, 101, .	1.1	54
70	Superconductivity and topological aspects of the rocksalt carbides NbC and TaC. Physical Review B, 2020, 101, .	1.1	30
71	IrSi as a Superior Electronic Material with Novel Topological Properties and Nice Compatibility with Semiconductor Si. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000178.	1.2	4
72	Double drumheadlike surface states in elemental group V nodal line semimetals. Nano Research, 2020, 13, 927-931.	5.8	1

#	ARTICLE	IF	CITATIONS
73	Spin-splitting effects on the interband optical conductivity and activity of phosphorene. Scientific Reports, 2020, 10, 9201.	1.6	18
74	Structure refinement of black phosphorus under high pressure. Journal of Chemical Physics, 2020, 153, 014704.	1.2	9
75	Spin and charge transport in topological nodal-line semimetals. Physical Review B, 2020, 101, .	1.1	7
76	Pressure-induced evolution of band structure in black phosphorus studied by ^{31}P -NMR. Physical Review B, 2020, 101, .	1.1	5
77	Nonequilibrium states in quantum materials under time-period driving. Wuli Xuebao/Acta Physica Sinica, 2021, .	0.2	1
78	Systematic competition between strain and electric field stimuli in tuning EELS of phosphorene. Scientific Reports, 2021, 11, 3716.	1.6	15
79	Anomalous Andreev reflection on a torus-shaped Fermi surface. Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	8
80	Experimental perspective on three-dimensional topological semimetals. Reviews of Modern Physics, 2021, 93, .	16.4	265
81	Large anomalous Hall effect induced by gapped nodal lines in GdZn and GdCd. Physical Review B, 2021, 103, .	1.1	3
82	Type-II Dirac point in RbAg_5 . Physical Review B, 2021, 103, .	1.1	3
83	Quantum transport in topological matters under magnetic fields. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 027201.	0.2	2
84	Origin of the pressure-dependent T_c valley in superconducting simple cubic phosphorus. Physical Review Materials, 2018, 2, .	0.9	16
85	Type-II Dirac line node in strained Na_3N . Physical Review Materials, 2018, 2, .	0.7	9
86	Magnetic and electronic properties of a topological nodal line semimetal candidate: HoSbTe. Physical Review Materials, 2020, 4, .	0.9	16
87	^{31}P -NMR Study of Black Phosphorus under Hydrostatic Pressure. , 2020, , .		2
88	Black Phosphorus. Springer Theses, 2019, , 39-74.	0.0	0
89	Linear interband optical refraction and absorption in strained black phosphorene. Journal of Physics Condensed Matter, 2020, 32, 465301.	0.7	9
90	Sign reversal of magnetoresistivity in massive nodal-line semimetals due to the Lifshitz transition of the Fermi surface. Physical Review B, 2021, 104, .	1.1	4

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91	Nodal lines in momentum space: topological invariants and recent realizations in photonic and other systems. <i>Nanophotonics</i> , 2022, 11, 2779-2801.	2.9	29
92	Effects of Mechanical Strain on Electronic Properties of Phosphorene Structure in the Presence of Spin-Orbit Coupling. <i>ECS Journal of Solid State Science and Technology</i> , 2022, 11, 041004.	0.9	3
93	Optical absorption of phosphorene structure in the presence of spin-orbit coupling: mechanical strain effects. <i>European Physical Journal Plus</i> , 2022, 137, 1.	1.2	6
94	Spectroscopic evidence for Dirac nodal surfaces and nodal rings in the superconductor NaAlSi. <i>Physical Review B</i> , 2022, 105, .	1.1	9
95	Quantum transport in topological nodal-line semimetals. <i>Advances in Physics: X</i> , 2022, 7, .	1.5	5
96	Symmetry-enforced nodal chain phonons. <i>Npj Quantum Materials</i> , 2022, 7, .	1.8	19
97	Switchable topological phase transition and nonlinear optical properties in a ReC_2H monolayer. <i>Physical Review B</i> , 2022, 105, .	1.1	1
98	Symmetry-enforced electronic nodal straight lines in $\text{CsNb}_3\text{SBr}_7$. <i>New Journal of Physics</i> , 2022, 24, 093033.	1.2	0
99	Giant Density of States Enhancement Driven by a Zero-Mode Landau Level in Semimetallic Black Phosphorus under Pressure. <i>Physical Review Letters</i> , 2023, 130, .	2.9	1
101	Anisotropy of Electronic States in Single Crystalline Black Phosphorus Studied by ^31P NMR. , 2023, , .		0
102	Optical Response of 3D Model Topological Nodal-line Semimetal. , 0, , .		0