

CITATION REPORT

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New carbon allotropes with helical chains of complementary chirality connected by ethene-type π -conjug

DOI: 10.1038/srep03077
Scientific Reports, 2013, 3, 3077.

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Version: 2024-04-26

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| # | Paper | IF | Citations |
|----|--|------|-----------|
| 50 | Structural stability and electronic properties of carbon star lattice monolayer. <i>Chinese Physics B</i> , 2014 , 23, 096104 | 1.2 | |
| 49 | Structural and electronic properties of linear and angular polycyclic aromatic hydrocarbons. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 1379-1382 | 2.3 | 13 |
| 48 | K6 carbon: a metallic carbon allotrope in sp ³ bonding networks. <i>Journal of Chemical Physics</i> , 2014 , 140, 054514 | 3.9 | 44 |
| 47 | Three-dimensional three-connected tetragonal BN: Ab initio calculations. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014 , 378, 2303-2307 | 2.3 | 28 |
| 46 | Computational prediction of body-centered cubic carbon in an all-sp ³ six-member ring configuration. <i>Physical Review B</i> , 2015 , 91, | 3.3 | 37 |
| 45 | Crystalline structures of polymeric hydrocarbon with 3,4-fold helical chains. <i>Scientific Reports</i> , 2015 , 5, 7723 | 4.9 | 7 |
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| 43 | Ab initio vibrational and thermal properties of carbon allotropes: Polycyclic and rectangular networks. <i>Computational Materials Science</i> , 2015 , 109, 14-19 | 3.2 | 5 |
| 42 | Three-dimensional sp ⁽²⁾ -hybridized carbons consisting of orthogonal nanoribbons of graphene and net C. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 13028-33 | 3.6 | 12 |
| 41 | A new carbon allotrope with six-fold helical chains in all-sp ² bonding networks. <i>Scientific Reports</i> , 2014 , 4, 4339 | 4.9 | 67 |
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| 38 | Computational study of the structure, UV-vis absorption spectra and conductivity of biphenylene-based polymers and their boron nitride analogues. <i>RSC Advances</i> , 2016 , 6, 49505-49516 | 3.7 | 15 |
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| 36 | C 20 - T carbon: a novel superhard sp ⁽³⁾ carbon allotrope with large cavities. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 475402 | 1.8 | 22 |
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| 33 | Body-Centered Orthorhombic C ₁₆ : A Novel Topological Node-Line Semimetal. <i>Physical Review Letters</i> , 2016 , 116, 195501 | 7.4 | 129 |
| 32 | Are the experimentally observed 3-dimensional carbon honeycombs all-sp ² structures? The dangling p-orbital instability. <i>RSC Advances</i> , 2017 , 7, 9790-9794 | 3.7 | 11 |
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| 15 | Elastic properties of diamond-like phases based on carbon nanotubes. <i>Diamond and Related Materials</i> , 2019 , 97, 107411 | 3.5 | 20 |
| 14 | Three-Dimensional Crystalline Modification of Graphene in all-sp Hexagonal Lattices with or without Topological Nodal Lines. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 2515-2521 | 6.4 | 11 |
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| 11 | A new carbon allotrope: T5-carbon. <i>Scripta Materialia</i> , 2020 , 189, 72-77 | 5.6 | 6 |
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