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Large area planar stanene epitaxially grown on Ag(1 1 1)

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|-----|--|-----|-----------|
| 151 | Epitaxial growth of highly strained antimonene on Ag(111). <b>2018</b> , 13, 1   |     | 39        |
| 150 | Structural identification of silicene on the Ag(111) surface by atomic force microscopy. <i>Physical Review B</i> , <b>2018</b> , 98,                          | 3.3 | 10        |
| 149 | Band splitting in bilayer stanene electronic structure scrutinized via first principle DFT calculations. <b>2018</b> , 17, e00341                              |     | 3         |
| 148 | Epitaxial growth of ultraflat stanene with topological band inversion. <b>2018</b> , 17, 1081-1086   |     | 175       |
| 147 | Germanene Epitaxial Growth by Segregation through Ag(111) Thin Films on Ge(111). <b>2018</b> , 12, 11632-11637   |     | 77        |
| 146 | Electronic Band Engineering in Elemental 2D Materials. <b>2018</b> , 5, 1800749  |     | 11        |
| 145 | Recent Advances in Growth of Novel 2D Materials: Beyond Graphene and Transition Metal Dichalcogenides. <b>2018</b> , 30, e1800865                              |     | 135       |
| 144 | Silicene, silicene derivatives, and their device applications. <b>2018</b> , 47, 6370-6387   |     | 155       |
| 143 | A Perspective on Recent Advances in 2D Stanene Nanosheets. <b>2019</b> , 6, 1900752  |     | 26        |
| 142 | Thermal Stability Enhancement in Epitaxial Alpha Tin Films by Strain Engineering. <b>2019</b> , 21, 1900410  |     | 10        |
| 141 | Stanene: A Promising Material for New Electronic and Spintronic Applications. <b>2019</b> , 531, 1900017   |     | 32        |
| 140 | Beyond Graphene: Chemistry of Group 14 Graphene Analogues: Silicene, Germanene, and Stanene. <b>2019</b> , 13, 8566-8576                                       |     | 56        |
| 139 | Synthesis, Characterization, and Properties of Graphene Analogs of 2D Material. <b>2019</b> , 91-143   |     | 7         |
| 138 | A van der Waals epitaxial growth of ultrathin two-dimensional Sn film on graphene covered Cu(111) substrate. <b>2019</b> , 115, 141601                         |     | 5         |
| 137 | Multi-layer elemental 2D materials: antimonene, germanene and stanene grown directly on molybdenum disulfides. <b>2019</b> , 34, 105020                        |     | 12        |
| 136 | Single and multi domain buckled germanene phases on Al(111) surface. <b>2019</b> , 12, 2988-2996   |     | 11        |
| 135 | Morphology and Electronic Structure of Sn-Intercalated TiS <sub>2</sub> (0001) Layers. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 22293-22298 | 3.8 | 5         |

|     |  |     |    |
|-----|--|-----|----|
| 134 | Breaking the anisotropy of $\text{BCNH}$ and improving the photoelectric performance by constructing Van der Waals heterojunction. <b>2019</b> , 497, 143787                     |     | 16 |
| 133 | Two-dimensional antiferromagnetic boron form first principles. <i>AIP Advances</i> , <b>2019</b> , 9, 055211   | 1.5 | 2  |
| 132 | Hematene: a 2D magnetic material in van der Waals or non-van der Waals heterostructures. <i>2D Materials</i> , <b>2019</b> , 6, 045002   | 5.9 | 12 |
| 131 | Modulating Epitaxial Atomic Structure of Antimonene through Interface Design. <b>2019</b> , 31, e1902606   |     | 63 |
| 130 | Two- and one-dimensional quantum spin Hall states in stanene-functionalized GaTe and InTe matrices. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 7929-7937         | 7.1 | 1  |
| 129 | Overall conclusion for 2D hexagonal materials. <b>2019</b> , 291-297   |     |    |
| 128 | 2D Elemental Nanomaterials Beyond Graphene. <b>2019</b> , 5, 1062-1091   |     | 37 |
| 127 | Graphene's Latest Cousin: Plumbene Epitaxial Growth on a "Nano WaterCube". <b>2019</b> , 31, e1901017  |     | 85 |
| 126 | Structural prediction of stabilized atomically thin tin layers. <i>Npj 2D Materials and Applications</i> , <b>2019</b> , 3,  | 8.8 | 11 |
| 125 | Realization of Strained Stanene by Interface Engineering. <b>2019</b> , 10, 1558-1565  |     | 22 |
| 124 | Facile fabrication of 2D stanene nanosheets via a dealloying strategy for potassium storage. <b>2019</b> , 55, 3983-3986   |     | 11 |
| 123 | Influence of edge magnetization and electric fields on zigzag silicene, germanene and stanene nanoribbons. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 105302 | 1.8 | 3  |
| 122 | Substrate-mediated umklapp scattering at the incommensurate interface of a monatomic alloy layer. <i>Physical Review B</i> , <b>2019</b> , 99,                                   | 3.3 | 8  |
| 121 | Stabilizing the isolated $\text{Sn}_2\text{Bi}$ nanosheet and tailoring its electronic structure by chemical functionalization: A computational study. <b>2019</b> , 114, 073103 |     | 8  |
| 120 | Tunable electronic properties in stanene and two dimensional silicon-carbide heterobilayer: A first principles investigation. <i>AIP Advances</i> , <b>2019</b> , 9, 025120      | 1.5 | 19 |
| 119 | . <b>2019</b> ,  |     |    |
| 118 | Group-IV 2D materials beyond graphene on nonmetal substrates: Challenges, recent progress, and future perspectives. <b>2019</b> , 6, 041310                                      |     | 13 |
| 117 | Electronic structure of Au-Sn compounds grown on Au(111). <i>Physical Review B</i> , <b>2019</b> , 100,  | 3.3 | 13 |

|     |  |       |
|-----|--|-------|
| 116 | Tailoring the topological surface state in ultrathin Hg(111) films. <i>Physical Review B</i> , <b>2019</b> , 100, 3-3  | 15    |
| 115 | Structural and electronic properties of atomically thin Bismuth on Au(111). <b>2019</b> , 679, 147-153   | 23    |
| 114 | Basics and Families of Monatomic Layers. <b>2019</b> , 3-22  | 5     |
| 113 | Structure determination of ultra-flat stanene on Cu(111) using low energy electron diffraction. <b>2020</b> , 691, 121498  | 9     |
| 112 | The Xenes Generations: A Taxonomy of Epitaxial Single-Element 2D Materials. <b>2020</b> , 14, 1900439  | 24    |
| 111 | Emerging Applications of Elemental 2D Materials. <b>2020</b> , 32, e1904302  | 159   |
| 110 | Epitaxial growth of elemental 2D materials: What can we learn from the periodic table?. <b>2020</b> , 30, 100805   | 12    |
| 109 | Electronic structure and morphology of thin surface alloy layers formed by deposition of Sn on Au(111). <b>2020</b> , 506, 144606  | 8     |
| 108 | Elements beyond graphene: Current state and perspectives of elemental monolayer deposition by bottom-up approach. <b>2020</b> , 18, 100502   | 16    |
| 107 | Realization of a Buckled Antimonene Monolayer on Ag(111) via Surface Engineering. <b>2020</b> , 11, 8976-8982  | 8     |
| 106 | Hydrogen desorption from silicene and germanene crystals: Toward creation of free-standing monolayer silicene and germanene. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 125301 | 2.5 3 |
| 105 | Staggering transport of edge states and symmetry analysis of electronic and optical properties of stanene. <b>2020</b> , 12, 20890-20897   | 1     |
| 104 | Atomic adsorption of Sn on mechanically cleaved WS <sub>2</sub> surface at room temperature. <b>2020</b> , 701, 121685   | 2     |
| 103 | Kagome-like silicene: A novel exotic form of two-dimensional epitaxial silicon. <b>2020</b> , 530, 147195  | 12    |
| 102 | Electronic and optical properties of sulfur vacancy-defect monolayer PtS <sub>2</sub> : A first-principles study. <b>2020</b> , 255, 123588  | 11    |
| 101 | Metallenes: Recent Advances and Opportunities in Energy Storage and Conversion Applications. <b>2020</b> , 2, 1148-1172  | 26    |
| 100 | Stanene: A good platform for topological insulator and topological superconductor. <b>2020</b> , 15, 1   | 12    |
| 99  | Identifying crystal structures and chemical reactions at the interface of stanene on Bi <sub>2</sub> Te <sub>3</sub> . <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 165301       | 2.5   |

|    |  |        |
|----|--|--------|
| 98 | Regular Arrangement of Two-Dimensional Clusters of Blue Phosphorene on Ag(111). <b>2020</b> , 37, 096803   | 5      |
| 97 | Synthesis of Two-dimensional Metallic Nanosheets: From Elemental Metals to Chemically Complex Alloys. <b>2020</b> , 6, 1683-1711                                       | 9      |
| 96 | Structural, electronic, and energetic investigations of acrolein adsorption on B borophene nanosheet: a dispersion-corrected DFT insight. <b>2020</b> , 26, 128        | 6      |
| 95 | Anomalous magneto-transport properties of bilayer phosphorene. <b>2020</b> , 10, 7674  | 4      |
| 94 | Two-dimensional growth of conductive ultra-thin Sn films on insulating substrate with an Fe buffer layer. <b>2020</b> , 8, 061103                                      |        |
| 93 | Two-dimensional graphene-like Xenos as potential topological materials. <b>2020</b> , 8, 030701  | 27     |
| 92 | Metastable Group IV Allotropes and Solid Solutions: Nanoparticles and Nanowires. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2703-2741                           | 9.6 16 |
| 91 | Segregation of metallic germanium atoms at the graphene/metal interface toward germanene growth. <i>Japanese Journal of Applied Physics</i> , <b>2020</b> , 59, SN1004 | 1.4 2  |
| 90 | Beyond silicene: synthesis of germanene, stanene and plumbene. <i>Japanese Journal of Applied Physics</i> , <b>2020</b> , 59, SN0801                                   | 1.4 15 |
| 89 | Continuous Growth of Germanene and Stanene Lateral Heterostructures. <b>2020</b> , 7, 1902132  | 10     |
| 88 | Topology and ferroelectricity in group-V monolayers. <b>2020</b> , 29, 057304  | 22     |
| 87 | In-plane crystal field constrained electronic structure of stanene. <b>2020</b> , 116, 101601  | 3      |
| 86 | Two-Dimensional Materials in Large-Areas: Synthesis, Properties and Applications. <b>2020</b> , 12, 66   | 94     |
| 85 | Two-dimensional Xenos and their device concepts for future micro- and nanoelectronics and energy applications. <b>2020</b> , 181-219                                   | 0      |
| 84 | Emerging Dirac materials for THz plasmonics. <b>2020</b> , 20, 100732  | 6      |
| 83 | Stability and synthesis of 2D metals and alloys: a review. <b>2020</b> , 8, 100092   | 19     |
| 82 | Recent Advances in Tin: From Two-Dimensional Quantum Spin Hall Insulator to Bulk Dirac Semimetal. <b>2020</b> , 11, 1317-1329  | 9      |
| 81 | Epitaxial fabrication of 2D materials of group IV elements. <b>2020</b> , 10, 4375-4383  | 6      |

|    |  |      |    |
|----|--|------|----|
| 80 | Epitaxial growth of honeycomb-like stanene on Au(111). <b>2020</b> , 517, 146224   |      | 11 |
| 79 | Epitaxial Growth of Main Group Monoelemental 2D Materials. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2006997  | 15.6 | 7  |
| 78 | Application of two-dimensional materials as anodes for rechargeable metal-ion batteries: A comprehensive perspective from density functional theory simulations. <b>2021</b> , 35, 203-282 |      | 23 |
| 77 | Direct Growth of Germanene at Interfaces between Van der Waals Materials and Ag(111). <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007038                                     | 15.6 | 14 |
| 76 | Phase Engineering of Epitaxial Stanene on a Surface Alloy. <b>2021</b> , 12, 211-217   |      | 3  |
| 75 | Sensing Applications of Atomically Thin Group IV Carbon Siblings Xenes: Progress, Challenges, and Prospects. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2005957              | 15.6 | 21 |
| 74 | Circularly-polarized light Controlled Thermal Spin Transport in Stanene Nanoribbon. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2021</b> , 70, 1-7   | 0.6  |    |
| 73 | Emerging beyond-graphene elemental 2D materials for energy and catalysis applications. <b>2021</b> , 50, 10983-11031   |      | 31 |
| 72 | Epitaxial Growth of Two-Dimensional Insulator Monolayer Honeycomb BeO. <b>2021</b> , 15, 2497-2505   |      | 13 |
| 71 | Atom by Atom Condensation of Sn Single Clusters within Gold-Phosphorus Metal-Inorganic Porous Networks. <b>2021</b> , 12, 745-751  |      | 3  |
| 70 | Tunable band gaps and high carrier mobilities in stanene by small organic molecule adsorption under external electric fields. <b>2021</b> , 23, 16023-16032                                |      | 1  |
| 69 | Emerging elemental two-dimensional materials for energy applications. <b>2021</b> , 9, 18793-18817   |      | 3  |
| 68 | Surface flattening and Ge crystalline segregation of Ag/Ge structure by thermal anneal. <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, SBBK05                              | 1.4  | 0  |
| 67 | Polymorphism in Post-Dichalcogenide Two-Dimensional Materials. <b>2021</b> , 121, 2713-2775  |      | 20 |
| 66 | Electronic and Topological Properties of Ultraflat Stanene Functionalized by Hydrogen and Halogen Atoms. <b>2021</b> , 50, 3334-3340   |      | 3  |
| 65 | Bayesian force fields from active learning for simulation of inter-dimensional transformation of stanene. <b>2021</b> , 7,   |      | 8  |
| 64 | The properties and prospects of chemically exfoliated nanosheets for quantum materials in two dimensions. <b>2021</b> , 8, 011312  |      | 7  |
| 63 | Atomically Thin Quantum Spin Hall Insulators. <b>2021</b> , 33, e2008029   |      | 8  |

|    |  |      |   |
|----|--|------|---|
| 62 | Structural, Electronic, and Optical Properties of Hexagonal XC (X=N, P, As, and Sb) Monolayers. <b>2021</b> , 22, 1124-1133  |      |   |
| 61 | Two-Dimensional SiliceneStanene Heterostructures by Epitaxy. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102797  | 15.6 | 3 |
| 60 | Two-dimensional germanium islands with Dirac signature on AgGe surface alloy. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33,                                 | 1.8  | 2 |
| 59 | In-plane strain-free stanene on a Pd2Sn(111) surface alloy. <i>Physical Review Materials</i> , <b>2021</b> , 5,  | 3.2  | 4 |
| 58 | Epitaxial growth of massively parallel germanium nanoribbons by segregation through Ag(1 1 0) thin films on Ge(1 1 0). <b>2021</b> , 550, 149236                             |      | 3 |
| 57 | Oxygen effects on the electronic transport in stanene. <b>2021</b> , 32,   |      | 1 |
| 56 | The Rise of the Xenes: From the Synthesis to the Integration Processes for Electronics and Photonics. <b>2021</b> , 14,  |      | 3 |
| 55 | Segregation control for ultrathin Ge layer in Al/Ge(111) system. <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, 045001                                       | 1.4  | 0 |
| 54 | Germanene structure enhancement by adjacent insoluble domains of lead. <b>2021</b> , 3,  |      | 2 |
| 53 | Beyond graphene: Clean, hydrogenated and halogenated silicene, germanene, stanene, and plumbene. <b>2021</b> , 96, 100615  |      | 5 |
| 52 | DFT-1/2 method applied to 2D topological insulators: fluorinated and hydrogenated group-IV honeycomb systems. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33, | 1.8  | 0 |
| 51 | Spin splitting and spin Hall conductivity in buckled monolayers of group 14: First-principles calculations. <i>Physical Review B</i> , <b>2021</b> , 104,                    | 3.3  | 0 |
| 50 | Single germanene phase formed by segregation through Al(111) thin films on Ge(111). <i>2D Materials</i> , <b>2021</b> , 8, 015001  | 5.9  | 2 |
| 49 | Navigating recent advances in monoelemental materials (Xenes)-fundamental to biomedical applications. <i>Progress in Solid State Chemistry</i> , <b>2021</b> , 63, 100326    | 8    | 6 |
| 48 | Introducing Stanene oxyboride nanosheets as white light emitting probe for selectively identifying . <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 348, 130617    | 8.5  | 0 |
| 47 | Tuning Electronic Structure and Magnetic Properties of Flat Stanene by Hydrogenation and Al/P Doping: A First Principle DFT Study. <i>Coatings</i> , <b>2021</b> , 11, 47    | 2.9  | 1 |
| 46 | Tellurium, the Forgotten Element: A Review of the Properties, Processes, and Biomedical Applications of the Bulk and Nanoscale Metalloid. <b>2020</b> , 723-783              |      | 3 |
| 45 | Thallene: graphene-like honeycomb lattice of Tl atoms frozen on single-layer NiSi2. <i>2D Materials</i> , <b>2020</b> , 7, 045026  | 5.9  | 3 |

|    |   |      |   |
|----|---|------|---|
| 44 | Correlation between structures and vibration properties of germanene grown by Ge segregation. <i>Applied Physics Express</i> ,  | 2.4  | 2 |
| 43 | Elemental 2D Materials: Solution-Processed Synthesis and Applications in Electrochemical Ammonia Production. <i>Advanced Functional Materials</i> , 2107280   | 15.6 | 4 |
| 42 | Beam Rocking Auger Electron Spectroscopy of a Si(111)88-Ag Surface. <i>E-Journal of Surface Science and Nanotechnology</i> , <b>2020</b> , 18, 139-145  | 0.7  | 0 |
| 41 | Adsorption of Sn on UHV cleaved WS <sub>2</sub> surface: Signature of nearly commensurate growth. <b>2020</b> ,   |      |   |
| 40 | Interactions in stanene centred van der Waals trilayers structures of boron-nitride and graphene: effect of mirror symmetry on electronic interactions. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 265001     | 1.8  | 1 |
| 39 | Evaluation of the structural, electronic, optical, elastic, mechanical, and vibrational properties of graphene-like g-GaN using density functional theory. <i>AIP Advances</i> , <b>2021</b> , 11, 115211                         | 1.5  | 1 |
| 38 | Evidence for Unusual Exchange Correlation on Si(111) 7 × 7: Limitations of Density Functional Calculations for Charge Transfer Interactions on Semiconductor Surfaces. <i>Physica Status Solidi (B): Basic Research</i> , 2100232 | 1.3  | 1 |
| 37 | Growth of Open Honeycomb-like Sn Structures on Ag(111) at Low Temperatures. <i>Journal of Physical Chemistry C</i> ,  | 3.8  |   |
| 36 | BC6P Monolayer: Isostructural and Isoelectronic Analogues of Graphene with Desirable Properties for K-Ion Batteries. <i>Chemistry of Materials</i> ,  | 9.6  | 1 |
| 35 | Two-Dimensional Materials of Group IVA: Latest Advances in Epitaxial Methods of Growth. <i>Russian Physics Journal</i> , <b>2022</b> , 64, 1583-1591  | 0.7  | 1 |
| 34 | Epitaxial binding and strain effects of monolayer stanene on the Al <sub>2</sub> O <sub>3</sub> (0001) surface. <i>Physical Review Materials</i> , <b>2022</b> , 6,   | 3.2  |   |
| 33 | Construction of novel two-dimensional materials and heterostructures in ultra-high vacuum. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2022</b> ,   | 0.6  |   |
| 32 | Defects in two-dimensional elemental materials beyond graphene. <b>2022</b> , 43-88   |      |   |
| 31 | Progress in epitaxial growth of stanene. <i>Open Physics</i> , <b>2022</b> , 20, 208-223  | 1.3  | 1 |
| 30 | Prediction of high Curie-temperature intrinsic ferromagnetic semiconductors and quantum anomalous Hall states in XBr <sub>3</sub> (X = Cu, Ag, Au) monolayers. <i>Journal of Materials Chemistry C</i> ,                          | 7.1  | 1 |
| 29 | Impact of substrate heating during Al deposition and post annealing on surface morphology, Al crystallinity, and Ge segregation in Al/Ge(111) structure. <i>Japanese Journal of Applied Physics</i> ,                             | 1.4  | 0 |
| 28 | The resurrection of tellurium as an elemental two-dimensional semiconductor. <i>Npj 2D Materials and Applications</i> , <b>2022</b> , 6,  | 8.8  | 5 |
| 27 | In-situ STS studies and first principles calculations on bare and Sn adsorbed UHV exfoliated WS <sub>2</sub> layers. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2022</b> , 1221, 012046                 | 0.4  |   |



|    |  |      |   |
|----|--|------|---|
| 26 | Response of quantum spin Hall insulators to Zeeman fields, and device design based on stanene. <i>Physical Review B</i> , <b>2022</b> , 105,                         | 3.3  | 0 |
| 25 | Structural and electronic properties of Sn sheets grown on Cd(0001). <i>AAPPS Bulletin</i> , <b>2022</b> , 32, 1   |      |   |
| 24 | Effect of local exchange field in different directions on spin transport of stanene. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2022</b> ,                          | 0.6  |   |
| 23 | Mechanism of remote epitaxy of stanene on Cu(111) substrate through monolayer graphene linking. <i>Journal of Applied Physics</i> , <b>2022</b> , 131, 205301        | 2.5  |   |
| 22 | High Thermoelectric Performance in 2D Technetium Dichalcogenides TcX <sub>2</sub> (X = S, Se, or Te). <i>ACS Applied Energy Materials</i> ,                          | 6.1  | 1 |
| 21 | Stanene and Plumbene. <b>2022</b> , 49-72  |      |   |
| 20 | Integration paths for Xenon. <b>2022</b> , 405-438   |      |   |
| 19 | Single-Element 2D Materials beyond Graphene: Methods of Epitaxial Synthesis. <i>Nanomaterials</i> , <b>2022</b> , 12, 2221   | 5.4  | 2 |
| 18 | Combined surface x-ray diffraction and density functional theory study of the germanene/Al(111)-(7×7)R19.1° structure. <i>Physical Review B</i> , <b>2022</b> , 106, | 3.3  | 1 |
| 17 | Chemical insights into two-dimensional quantum materials. <i>Matter</i> , <b>2022</b> , 5, 2168-2189   | 12.7 |   |
| 16 | Symmetry breaking induced bandgap opening in epitaxial germanene on WSe <sub>2</sub> . <b>2022</b> , 121, 051901   |      | 0 |
| 15 | Silicene's pervasive surface alloy on Ag(111): a scaffold for two-dimensional growth.  |      | 1 |
| 14 | Comparative study on epitaxial growth of stanene and bismuthene on InSb(111) substrate. <b>2022</b> , 71, 186401   |      | 0 |
| 13 | Evolution from Alloying to Nanostrips of Sb on Ag(110) Probed by Scanning Tunneling Microscopy. <b>2022</b> , 126, 15030-15036                                       |      | 0 |
| 12 | Stability of Strained Stanene Compared to That of Graphene. <b>2022</b> , 15, 5900   |      | 0 |
| 11 | Epitaxial growth of elemental 2D materials. <b>2022</b> ,  |      | 0 |
| 10 | Molecular beam epitaxy growth of few-layer stanene. <b>2022</b> , 1,   |      | 0 |
| 9  | Structural investigation of flat overlayer and surface alloy of Sn on Mo(110). <b>2022</b> , 122224  |      | 0 |

- 8 Electronic and optical properties of graphene, silicene, germanene, and their semi-hydrogenated systems. **2022**, 12, 34851-34865 ○
- 7 Ferromagnetic exchange field-controlled band dispersions of non-Dirac electrons. **2023**, 13, 015117 ○
- 6 Decagonal Sn clathrate on d -Al-Ni-Co. **2023**, 107, ○
- 5 Electronic Structure Calculations of Static Hyper(Polarizabilities) of Substrate-Supported Group-IV and -V Elemental Monolayers. **2023**, 8, 9614-9620 ○
- 4 Topological defects in silicene. **2023**, 141, 66001 ○
- 3 Stanene: State of the Art and Future Prospects. ○
- 2 Covalent bonded bilayers from germanene and stanene with topological giant capacitance effects. **2023**, 7, ○
- 1 Recent Advances, Properties, Fabrication and Opportunities in Two-Dimensional Materials for their Potential Sustainable Applications. **2023**, 102780 ○