# Gen Long

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3355428/publications.pdf

Version: 2024-02-01

| 26 | 2,226 | 471509 | 610901 |
|---|---|---|---|
| papers | citations | 17 h-index | 24 g-index |

| 26 | 26 | 26 | 4808 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Hopping transport through defect-induced localized states in molybdenum disulphide. Nature Communications, 2013, 4, 2642. | 12.8 | 935 |
| 2 | Achieving Ultrahigh Carrier Mobility in Two-Dimensional Hole Gas of Black Phosphorus. Nano Letters, 2016, 16, 7768-7773. | 9.1 | 242 |
| 3 | Probing the electron states and metal-insulator transition mechanisms in molybdenum disulphide vertical heterostructures. Nature Communications, 2015, 6, 6088. | 12.8 | 181 |
| 4 | Persistence of Magnetism in Atomically Thin MnPS<sub>3</sub> Crystals. Nano Letters, 2020, 20, 2452-2459. | 9.1 | 117 |
| 5 | Universal low-temperature Ohmic contacts for quantum transport in transition metal dichalcogenides. 2D Materials, 2016, 3, 021007. | 4.4 | 102 |
| 6 | Isolation and Characterization of Few-Layer Manganese Thiophosphite. ACS Nano, 2017, 11, 11330-11336. | 14.6 | 98 |
| 7 | Twin Defect Derived Growth of Atomically Thin MoS<sub>2</sub> Dendrites. ACS Nano, 2018, 12, 635-643. | 14.6 | 92 |
| 8 | Evenâ€“odd layer-dependent magnetotransport of high-mobility Q-valley electrons in transition metal disulfides. Nature Communications, 2016, 7, 12955. | 12.8 | 82 |
| 9 | Intrinsic valley Hall transport in atomically thin MoS2. Nature Communications, 2019, 10, 611. | 12.8 | 77 |
| 10 | van der Waals Epitaxial Growth of Atomically Thin Bi<sub>2</sub>Se<sub>3</sub> and Thickness-Dependent Topological Phase Transition. Nano Letters, 2015, 15, 2645-2651. | 9.1 | 54 |
| 11 | Odd-Integer Quantum Hall States and Giant Spin Susceptibility in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-Type Few-Layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WSe</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></ Physical Review Letters, 2017, 118, 067702. | 7.8 | 37 |
| 12 | Determining Interaction Enhanced Valley Susceptibility in Spin-Valley-Locked MoS<sub>2</sub>. Nano Letters, 2019, 19, 1736-1742. | 9.1 | 35 |
| 13 | The roles of graphene and its derivatives in perovskite solar cells: A review. Materials and Design, 2021, 211, 110170. | 7.0 | 29 |
| 14 | Ambipolar quantum transport in few-layer black phosphorus. Physical Review B, 2017, 96, . | 3.2 | 26 |
| 15 | Detection of interlayer interaction in few-layer graphene. Physical Review B, 2015, 92, . | 3.2 | 22 |
| 16 | A fast transfer-free synthesis of high-quality monolayer graphene on insulating substrates by a simple rapid thermal treatment. Nanoscale, 2016, 8, 2594-2600. | 5.6 | 20 |
| 17 | Type-controlled nanodevices based on encapsulated few-layer black phosphorus for quantum transport. 2D Materials, 2016, 3, 031001. | 4.4 | 19 |
| 18 | Probing the electronic states and impurity effects in black phosphorus vertical heterostructures. 2D Materials, 2016, 3, 015012. | 4.4 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Investigation of the two-gap superconductivity in a few-layer NbSe2 -graphene heterojunction. Physical Review B, 2018, 97, . | 3.2 | 11 |
| 20 | Gate-tunable strong-weak localization transition in few-layer black phosphorus. Nanotechnology, 2018, 29, 035204. | 2.6 | 10 |
| 21 | Observation of A1g Raman mode splitting in few layer black phosphorus encapsulated with hexagonal boron nitride. Nanoscale, 2017, 9, 19298-19303. | 5.6 | 9 |
| 22 | Towards a library of atomically dispersed catalysts. Materials and Design, 2021, 210, 110080. | 7.0 | 6 |
| 23 | Charge density wave phase transition on the surface of electrostatically doped multilayer graphene. Applied Physics Letters, 2016, 109, . | 3.3 | 4 |
| 24 | Probing 2D magnetism through electronic tunneling transport. Materials and Design, 2021, 212, 110235. | 7.0 | 2 |
| 25 | Electronic Transport in Few-Layer Black Phosphorus. , 0, , . | | 0 |
| 26 | Hot-Pressed Two-Dimensional Amorphous Metals and Their Electronic Properties. Crystals, 2022, 12, 616. | 2.2 | 0 |