

Tony Low

List of Publications by Year in descending order

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169
papers

15,492
citations

31902

53
h-index

17055

122
g-index

174
all docs

174
docs citations

174
times ranked

16352
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Graphene Plasmonics for Terahertz to Mid-Infrared Applications. ACS Nano, 2014, 8, 1086-1101. | 7.3 | 1,165 |
| 2 | Multi-terminal transport measurements of MoS2 using a van der Waals heterostructure device platform. Nature Nanotechnology, 2015, 10, 534-540. | 15.6 | 1,099 |
| 3 | Polaritons in layered two-dimensional materials. Nature Materials, 2017, 16, 182-194. | 13.3 | 963 |
| 4 | Damping pathways of mid-infrared plasmons in graphene nanostructures. Nature Photonics, 2013, 7, 394-399. | 15.6 | 815 |
| 5 | Tunable optical properties of multilayer black phosphorus thin films. Physical Review B, 2014, 90, . | 1.1 | 592 |
| 6 | Structure and Electronic Transport in Graphene Wrinkles. Nano Letters, 2012, 12, 3431-3436. | 4.5 | 540 |
| 7 | Bandgap engineering of two-dimensional semiconductor materials. Npj 2D Materials and Applications, 2020, 4, . | 3.9 | 528 |
| 8 | Plasmons and Screening in Monolayer and Multilayer Black Phosphorus. Physical Review Letters, 2014, 113, 106802. | 2.9 | 515 |
| 9 | Photoconductivity of biased graphene. Nature Photonics, 2013, 7, 53-59. | 15.6 | 467 |
| 10 | Valley Splitting and Polarization by the Zeeman Effect in Monolayer MoSe_2 . Physical Review Letters, 2014, 113, 266804. | 2.9 | 395 |
| 11 | Electronic transport and device prospects of monolayer molybdenum disulphide grown by chemical vapour deposition. Nature Communications, 2014, 5, 3087. | 5.8 | 370 |
| 12 | Band alignment of two-dimensional semiconductors for designing heterostructures with momentum space matching. Physical Review B, 2016, 94, . | 1.1 | 347 |
| 13 | Room-temperature high spin-orbit torque due to quantum confinement in sputtered Bi_2Se_3 films. Nature Materials, 2018, 17, 800-807. | 13.3 | 344 |
| 14 | Photocurrent in graphene harnessed by tunable intrinsic plasmons. Nature Communications, 2013, 4, 1951. | 5.8 | 280 |
| 15 | Tunable Light-Matter Interaction and the Role of Hyperbolicity in Graphene-hBN System. Nano Letters, 2015, 15, 3172-3180. | 4.5 | 260 |
| 16 | Strain-Induced Pseudomagnetic Field for Novel Graphene Electronics. Nano Letters, 2010, 10, 3551-3554. | 4.5 | 252 |
| 17 | Infrared fingerprints of few-layer black phosphorus. Nature Communications, 2017, 8, 14071. | 5.8 | 228 |
| 18 | Generation of Pure Bulk Valley Current in Graphene. Physical Review Letters, 2013, 110, 046601. | 2.9 | 221 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Anisotropic 2D Materials for Tunable Hyperbolic Plasmonics. <i>Physical Review Letters</i> , 2016, 116, 066804. | 2.9 | 212 |
| 20 | Graphene acoustic plasmon resonator for ultrasensitive infrared spectroscopy. <i>Nature Nanotechnology</i> , 2019, 14, 313-319. | 15.6 | 210 |
| 21 | Gate-controlled guiding of electrons in graphene. <i>Nature Nanotechnology</i> , 2011, 6, 222-225. | 15.6 | 203 |
| 22 | Origin of photoresponse in black phosphorus phototransistors. <i>Physical Review B</i> , 2014, 90, . | 1.1 | 178 |
| 23 | Strain-engineered high-responsivity MoTe ₂ photodetector for silicon photonic integrated circuits. <i>Nature Photonics</i> , 2020, 14, 578-584. | 15.6 | 172 |
| 24 | Increased Responsivity of Suspended Graphene Photodetectors. <i>Nano Letters</i> , 2013, 13, 1644-1648. | 4.5 | 171 |
| 25 | Gas identification with graphene plasmons. <i>Nature Communications</i> , 2019, 10, 1131. | 5.8 | 154 |
| 26 | Multilayer Black Phosphorus as a Versatile Mid-Infrared Electro-optic Material. <i>Nano Letters</i> , 2016, 16, 1683-1689. | 4.5 | 151 |
| 27 | Tunable Phonon-Induced Transparency in Bilayer Graphene Nanoribbons. <i>Nano Letters</i> , 2014, 14, 4581-4586. | 4.5 | 129 |
| 28 | Layer-Tunable Third-Harmonic Generation in Multilayer Black Phosphorus. <i>ACS Photonics</i> , 2017, 4, 8-14. | 3.2 | 125 |
| 29 | Nanomaterial-Based Plasmon-Enhanced Infrared Spectroscopy. <i>Advanced Materials</i> , 2018, 30, e1704896. | 11.1 | 124 |
| 30 | Determination of layer-dependent exciton binding energies in few-layer black phosphorus. <i>Science Advances</i> , 2018, 4, eaap9977. | 4.7 | 122 |
| 31 | Berry curvature dipole current in the transition metal dichalcogenides family. <i>Physical Review B</i> , 2018, 98, . | 1.1 | 121 |
| 32 | Conductance Asymmetry of Graphene p-n Junction. <i>IEEE Transactions on Electron Devices</i> , 2009, 56, 1292-1299. | 1.6 | 114 |
| 33 | The 2021 quantum materials roadmap. <i>JPhys Materials</i> , 2020, 3, 042006. | 1.8 | 111 |
| 34 | Ultrafast Graphene Light Emitters. <i>Nano Letters</i> , 2018, 18, 934-940. | 4.5 | 109 |
| 35 | Cooling of photoexcited carriers in graphene by internal and substrate phonons. <i>Physical Review B</i> , 2012, 86, . | 1.1 | 100 |
| 36 | Midinfrared Electro-optic Modulation in Few-Layer Black Phosphorus. <i>Nano Letters</i> , 2017, 17, 6315-6320. | 4.5 | 96 |

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|----|---|-----|-----------|
| 37 | Tunable Graphene Metasurface Reflectarray for Cloaking, Illusion, and Focusing. <i>Physical Review Applied</i> , 2018, 9, . | 1.5 | 93 |
| 38 | Anisotropic exciton Stark shift in black phosphorus. <i>Physical Review B</i> , 2015, 91, . | 1.1 | 92 |
| 39 | Nanophotonic biosensors harnessing van der Waals materials. <i>Nature Communications</i> , 2021, 12, 3824. | 5.8 | 88 |
| 40 | Mobility anisotropy in monolayer black phosphorus due to scattering by charged impurities. <i>Physical Review B</i> , 2016, 93, . | 1.1 | 85 |
| 41 | Electron Pumping in Graphene Mechanical Resonators. <i>Nano Letters</i> , 2012, 12, 850-854. | 4.5 | 77 |
| 42 | Quantum Behavior of Graphene Transistors near the Scaling Limit. <i>Nano Letters</i> , 2012, 12, 1417-1423. | 4.5 | 77 |
| 43 | MoTe ₂ Lateral Homojunction Field-Effect Transistors Fabricated using Flux-Controlled Phase Engineering. <i>ACS Nano</i> , 2019, 13, 8035-8046. | 7.3 | 75 |
| 44 | Atomic and electronic structure of exfoliated black phosphorus. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2015, 33, . | 0.9 | 73 |
| 45 | Giant Enhancement of Photoluminescence Emission in WS ₂ -Two-Dimensional Perovskite Heterostructures. <i>Nano Letters</i> , 2019, 19, 4852-4860. | 4.5 | 72 |
| 46 | Chiral plasmon in gapped Dirac systems. <i>Physical Review B</i> , 2016, 93, . | 1.1 | 71 |
| 47 | Topological currents in black phosphorus with broken inversion symmetry. <i>Physical Review B</i> , 2015, 92, . | 1.1 | 69 |
| 48 | Graphene-edge dielectrophoretic tweezers for trapping of biomolecules. <i>Nature Communications</i> , 2017, 8, 1867. | 5.8 | 69 |
| 49 | Mid-infrared Polarized Emission from Black Phosphorus Light-Emitting Diodes. <i>Nano Letters</i> , 2020, 20, 3651-3655. | 4.5 | 69 |
| 50 | Topological band evolution between Lieb and kagome lattices. <i>Physical Review B</i> , 2019, 99, . | 1.1 | 66 |
| 51 | Complete Complex Amplitude Modulation with Electronically Tunable Graphene Plasmonic Metamolecules. <i>ACS Nano</i> , 2020, 14, 1166-1175. | 7.3 | 65 |
| 52 | Tuning Two-Dimensional Hyperbolic Plasmons in Black Phosphorus. <i>Physical Review Applied</i> , 2019, 12, . | 1.5 | 59 |
| 53 | Controlled p-type substitutional doping in large-area monolayer WSe ₂ crystals grown by chemical vapor deposition. <i>Nanoscale</i> , 2018, 10, 21374-21385. | 2.8 | 58 |
| 54 | Novel Midinfrared Plasmonic Properties of Bilayer Graphene. <i>Physical Review Letters</i> , 2014, 112, 116801. | 2.9 | 56 |

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|----|--|------|-----------|
| 55 | Image polaritons in boron nitride for extreme polariton confinement with low losses. Nature Communications, 2020, 11, 3649. | 5.8 | 56 |
| 56 | Programmable Metamaterials for Software-Defined Electromagnetic Control: Circuits, Systems, and Architectures. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2020, 10, 6-19. | 2.7 | 56 |
| 57 | Controlling photonic spin Hall effect via exceptional points. Physical Review B, 2019, 100, . | 1.1 | 55 |
| 58 | Gate-controlled mid-infrared light bending with aperiodic graphene nanoribbons array. Nanotechnology, 2015, 26, 134002. | 1.3 | 54 |
| 59 | Anisotropic Acoustic Plasmons in Black Phosphorus. ACS Photonics, 2018, 5, 2208-2216. | 3.2 | 54 |
| 60 | Group Velocity Controlled and Gate-Tunable Directional Excitation of Polaritons in Graphene-Boron Nitride Heterostructures. Laser and Photonics Reviews, 2018, 12, 1800049. | 4.4 | 51 |
| 61 | Nanoscale electronic devices based on transition metal dichalcogenides. 2D Materials, 2019, 6, 032004. | 2.0 | 51 |
| 62 | Chiral Plasmons with Twisted Atomic Bilayers. Physical Review Letters, 2020, 125, 077401. | 2.9 | 51 |
| 63 | Optical control of ferroelectric switching and multifunctional devices based on van der Waals ferroelectric semiconductors. Nanoscale, 2020, 12, 23488-23496. | 2.8 | 49 |
| 64 | A Tight-Binding Study of the Ballistic Injection Velocity for Ultrathin-Body SOI MOSFETs. IEEE Transactions on Electron Devices, 2008, 55, 866-871. | 1.6 | 47 |
| 65 | Substrate Gating of Contact Resistance in Graphene Transistors. IEEE Transactions on Electron Devices, 2011, 58, 3925-3932. | 1.6 | 47 |
| 66 | Magneto-electronic properties of multilayer black phosphorus. Physical Review B, 2015, 92, . | 1.1 | 45 |
| 67 | Self-Assembled Three-Dimensional Graphene-Based Polyhedrons Inducing Volumetric Light Confinement. Nano Letters, 2017, 17, 1987-1994. | 4.5 | 45 |
| 68 | Observation of chiral and slow plasmons in twisted bilayer graphene. Nature, 2022, 605, 63-68. | 13.7 | 45 |
| 69 | Enhanced interlayer neutral excitons and trions in trilayer van der Waals heterostructures. Npj 2D Materials and Applications, 2018, 2, . | 3.9 | 44 |
| 70 | Topological nonlinear anomalous Nernst effect in strained transition metal dichalcogenides. Physical Review B, 2019, 99, . | 1.1 | 44 |
| 71 | Electronic transport properties of a tilted graphene $\xi = \frac{v_F}{v} \frac{v_F}{v} \frac{v_F}{v}$ Physical Review B, 2009, 80, . | 1.1 | 43 |
| 72 | Plasmon Hybridization and Bandwidth Enhancement in Nanostructured Graphene. Nano Letters, 2015, 15, 2582-2587. | 4.5 | 43 |

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| 73 | Topological Band Engineering of Lieb Lattice in Phthalocyanine-Based Metal-Organic Frameworks. Nano Letters, 2020, 20, 1959-1966. | 4.5 | 43 |
| 74 | Resonant tunnelling diodes based on twisted black phosphorus homostructures. Nature Electronics, 2021, 4, 269-276. | 13.1 | 41 |
| 75 | Scaling of the Energy Gap in Pattern-Hydrogenated Graphene. Nano Letters, 2011, 11, 4574-4578. | 4.5 | 40 |
| 76 | Directive Surface Plasmons on Tunable Two-Dimensional Hyperbolic Metasurfaces and Black Phosphorus: Green's Function and Complex Plane Analysis. IEEE Transactions on Antennas and Propagation, 2017, 65, 1174-1186. | 3.1 | 39 |
| 77 | Multilayered black phosphorus: From a tight-binding to a continuum description. Physical Review B, 2017, 96, . | 1.1 | 39 |
| 78 | Broadband enhancement of on-chip single-photon extraction via tilted hyperbolic metamaterials. Applied Physics Reviews, 2020, 7, 021403. | 5.5 | 36 |
| 79 | Real-space imaging of acoustic plasmons in large-area graphene grown by chemical vapor deposition. Nature Communications, 2021, 12, 938. | 5.8 | 33 |
| 80 | ZrTe ₂ /CrTe ₂ : an epitaxial van der Waals platform for spintronics. Nature Communications, 2022, 13, . | 5.8 | 32 |
| 81 | Electron mobility in Ge and strained-Si channel ultrathin-body metal-oxide semi conductor field-effect transistors. Applied Physics Letters, 2004, 85, 2402-2404. | 1.5 | 31 |
| 82 | Spatially controlled electrostatic doping in graphene p-i-n junction for hybrid silicon photodiode. Npj 2D Materials and Applications, 2018, 2, . | 3.9 | 31 |
| 83 | Tunable large Berry dipole in strained twisted bilayer graphene. Physical Review B, 2021, 103, . | 1.1 | 31 |
| 84 | Substrate-Sensitive Mid-infrared Photoresponse in Graphene. ACS Nano, 2014, 8, 8350-8356. | 7.3 | 30 |
| 85 | Tunable plasmon-enhanced birefringence in ribbon array of anisotropic two-dimensional materials. Physical Review B, 2017, 95, . | 1.1 | 29 |
| 86 | Signatures of Disorder in the Minimum Conductivity of Graphene. Nano Letters, 2011, 11, 1319-1322. | 4.5 | 27 |
| 87 | Symmetry-forbidden intervalley scattering by atomic defects in monolayer transition-metal dichalcogenides. Physical Review B, 2017, 96, . | 1.1 | 27 |
| 88 | Switchable and unidirectional plasmonic beacons in hyperbolic two-dimensional materials. Physical Review B, 2019, 99, . | 1.1 | 27 |
| 89 | Magnetic Weyl semimetals with diamond structure realized in spinel compounds. Physical Review B, 2020, 101, . | 1.1 | 27 |
| 90 | Ballistic-Ohmic quantum Hall plateau transition in a graphene p-n junction Physical Review B, 2009, 80, . | 1.1 | 26 |

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| 91 | Superluminal plasmons with resonant gain in population inverted bilayer graphene. Physical Review B, 2018, 98, . | 1.1 | 26 |
| 92 | Anomalous Temperature Dependence in Metalâ€“Black Phosphorus Contact. Nano Letters, 2018, 18, 26-31. | 4.5 | 25 |
| 93 | Plasmonic Gas Sensing with Graphene Nanoribbons. Physical Review Applied, 2020, 13, . | 1.5 | 25 |
| 94 | Tunable plasmon-phonon polaritons in anisotropic 2D materials on hexagonal boron nitride. Nanophotonics, 2020, 9, 3909-3920. | 2.9 | 24 |
| 95 | Photonic and Plasmonic Guided Modes in Grapheneâ€“Silicon Photonic Crystals. ACS Photonics, 2015, 2, 1552-1558. | 3.2 | 23 |
| 96 | A perspective of twisted photonic structures. Applied Physics Letters, 2021, 119, . | 1.5 | 23 |
| 97 | Performance Analysis of III-V Materials in a Double-Gate nano-MOSFET. , 2007, , . | | 22 |
| 98 | Gate tunable lightâ€“matter interaction in natural biaxial hyperbolic van der Waals heterostructures. Nanophotonics, 2022, 11, 2329-2340. | 2.9 | 22 |
| 99 | Electrical control of excitons in van der Waals heterostructures with type-II band alignment. Physical Review B, 2018, 98, . | 1.1 | 21 |
| 100 | Temporal control of graphene plasmons. Physical Review B, 2018, 98, . | 1.1 | 21 |
| 101 | Plasmon-Enhanced Near-Field Chirality in Twisted van der Waals Heterostructures. Nano Letters, 2020, 20, 8711-8718. | 4.5 | 21 |
| 102 | High-Performance Black Phosphorus MOSFETs Using Crystal Orientation Control and Contact Engineering. IEEE Electron Device Letters, 2017, 38, 685-688. | 2.2 | 20 |
| 103 | Electron and hole transport in disordered monolayer MoS_2 : Atomic vacancy induced short-range and Coulomb disorder scattering. Physical Review B, 2019, 100, . | 1.1 | 20 |
| 104 | Visualization and Manipulation of Bilayer Graphene Quantum Dots with Broken Rotational Symmetry and Nontrivial Topology. Nano Letters, 2020, 20, 8682-8688. | 4.5 | 20 |
| 105 | Boosting quantum yields in two-dimensional semiconductors via proximal metal plates. Nature Communications, 2021, 12, 7095. | 5.8 | 20 |
| 106 | Nonlocal electromagnetic response of graphene nanostructures. Physical Review B, 2015, 91, . | 1.1 | 18 |
| 107 | Toggling Nearâ€“Field Directionality via Polarization Control of Surface Waves. Laser and Photonics Reviews, 2021, 15, 2000388. | 4.4 | 17 |
| 108 | Giant Anomalous Hall Effect due to Double-Degenerate Quasiflat Bands. Physical Review Letters, 2021, 126, 106601. | 2.9 | 16 |

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| 109 | Hyperbolicity in two-dimensional transition metal ditellurides induced by electronic bands nesting. Physical Review B, 2020, 102, . | 1.1 | 15 |
| 110 | Bipolar Electric-Field Switching of Perpendicular Magnetic Tunnel Junctions through Voltage-Controlled Exchange Coupling. Nano Letters, 2022, 22, 622-629. | 4.5 | 15 |
| 111 | NEGF analysis of InGaAs Schottky barrier double gate MOSFETs. , 2008, , . | | 14 |
| 112 | Graphene-Side-Gate Engineering. IEEE Electron Device Letters, 2012, 33, 330-332. | 2.2 | 14 |
| 113 | Ultracompact Amplitude Modulator by Coupling Hyperbolic Polaritons over a Graphene-Covered Gap. ACS Photonics, 2018, 5, 544-551. | 3.2 | 13 |
| 114 | Polaritonic Vortices with a Half-Integer Charge. Nano Letters, 2021, 21, 9256-9261. | 4.5 | 13 |
| 115 | Near-field probing of image phonon-polaritons in hexagonal boron nitride on gold crystals. Science Advances, 2022, 8, . | 4.7 | 13 |
| 116 | Spatial/temporal photocurrent and electronic transport in monolayer molybdenum disulfide grown by chemical vapor deposition. Applied Physics Letters, 2016, 108, . | 1.5 | 12 |
| 117 | Tin monochalcogenide heterostructures as mechanically rigid infrared band gap semiconductors. Physical Review Materials, 2018, 2, . | 0.9 | 12 |
| 118 | Structure and basal twinning of topological insulator B_2S_3 . Physical Review Materials, 2018, 2, . | 0.9 | 12 |
| 119 | Plasmon coupling in extended structures: Graphene superlattice nanoribbon arrays. Physical Review B, 2016, 93, . | 1.1 | 10 |
| 120 | Emerging chiral optics from chiral interfaces. Physical Review B, 2021, 103, . | 1.1 | 10 |
| 121 | Large-scale interlayer rotations and Te grain boundaries in Bi_2Te_3 thin films. Physical Review Materials, 2020, 4, . | 1.1 | 10 |
| 122 | Accessing the Exceptional Points in a Graphene Plasmon-Vibrational Mode Coupled System. ACS Photonics, 2021, 8, 3241-3248. | 3.2 | 10 |
| 123 | Simulation of spin field effect transistors: Effects of tunneling and spin relaxation on performance. Journal of Applied Physics, 2010, 108, 083702. | 1.1 | 9 |
| 124 | Theoretical Overview of Black Phosphorus. , 2017, , 381-412. | | 9 |
| 125 | Direct Investigation of the Birefringent Optical Properties of Black Phosphorus with Picosecond Interferometry. Advanced Optical Materials, 2018, 6, 1700831. | 3.6 | 9 |
| 126 | Engineering valley quantum interference in anisotropic van der Waals heterostructures. Physical Review B, 2020, 102, . | 1.1 | 9 |

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| 127 | Modeling of spin metal-oxide-semiconductor field-effect transistor: A nonequilibrium Green's function approach with spin relaxation. Journal of Applied Physics, 2008, 104, 094511. | 1.1 | 8 |
| 128 | Hybridized Radial and Edge Coupled 3D Plasmon Modes in Self-Assembled Graphene Nanocylinders. Small, 2021, 17, e2100079. | 5.2 | 8 |
| 129 | Twisted Two-Dimensional Material Stacks for Polarization Optics. Physical Review Letters, 2022, 128, . | 2.9 | 8 |
| 130 | Plasmons and screening in finite-bandwidth two-dimensional electron gas. Physical Review B, 2020, 102, . | 1.1 | 7 |
| 131 | Bidirectional switching assisted by interlayer exchange coupling in asymmetric magnetic tunnel junctions. Physical Review B, 2020, 101, . | 1.1 | 7 |
| 132 | Signatures of quantum transport through two-dimensional structures with correlated and anticorrelated interfaces. Physical Review B, 2008, 78, . | 1.1 | 6 |
| 133 | Ferromagnetic phase of the spinel compound MgV_2O_4 and its spintronics properties. Physical Review B, 2020, 102, . | 1.1 | 6 |
| 134 | Signatures of subband excitons in few-layer black phosphorus. Physical Review B, 2021, 103, . | 1.1 | 6 |
| 135 | Enhancement of voltage controlled magnetic anisotropy (VCMA) through electron depletion. Journal of Applied Physics, 2022, 131, . | 1.1 | 6 |
| 136 | Effect of dual gate control on the alternating current performance of graphene radio frequency device. Journal of Applied Physics, 2013, 114, 044307. | 1.1 | 5 |
| 137 | Pumping electrons in graphene to the Γ point in the Brillouin zone: Emergence of anisotropic plasmons. Physical Review B, 2016, 94, . | 1.1 | 5 |
| 138 | Semianalytical model of the contact resistance in two-dimensional semiconductors. Physical Review B, 2017, 96, . | 1.1 | 5 |
| 139 | Phonon-assisted carrier transport through a lattice-mismatched interface. NPG Asia Materials, 2019, 11, . | 3.8 | 5 |
| 140 | Nonretarded edge plasmon-polaritons in anisotropic two-dimensional materials. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 055201. | 0.7 | 5 |
| 141 | Convert Widespread Paraelectric Perovskite to Ferroelectrics. Physical Review Letters, 2022, 128, . | 2.9 | 5 |
| 142 | Optical interface engineering with on-demand magnetic surface conductivities. Physical Review B, 2022, 106, . | 1.1 | 5 |
| 143 | Broadband Achromatic Anomalous Mirror in Near-IR and Visible Frequency Ranges. ACS Photonics, 2017, 4, 1646-1652. | 3.2 | 4 |
| 144 | Ultracompact electro-optic waveguide modulator based on a graphene-covered $\lambda/1000$ plasmonic nanogap. Optics Express, 2021, 29, 13852. | 1.7 | 4 |

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|-----|---|-----|-----------|
| 145 | Gigantic tunneling magnetoresistance in magnetic Weyl semimetal tunnel junctions. Physical Review B, 2021, 104, . | 1.1 | 4 |
| 146 | Gate-tunable giant tunneling electroresistance in van der Waals ferroelectric tunneling junctions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 283, 115829. | 1.7 | 4 |
| 147 | Current-induced torques in magnetic Weyl semimetal tunnel junctions. Physical Review B, 2021, 103, . | 1.1 | 3 |
| 148 | Transition Metal-Free Half-Metallicity in Two-Dimensional Gallium Nitride with a Quasi-Flat Band. Journal of Physical Chemistry Letters, 2021, 12, 12150-12156. | 2.1 | 3 |
| 149 | Methodological framework for materials discovery using machine learning. Physical Review Materials, 2022, 6, . | 0.9 | 3 |
| 150 | Groupâ€œVelocityâ€œControlled and Gateâ€œTunable Directional Excitation of Polaritons in Grapheneâ€œBoron Nitride Heterostructures (Laser Photonics Rev. 12(5)/2018). Laser and Photonics Reviews, 2018, 12, 1870024. | 4.4 | 2 |
| 151 | Chiral and hyperbolic plasmons in novel 2-D materials. , 2019, , 119-138. | | 2 |
| 152 | Simple linear response model for predicting energy band alignment of two-dimensional vertical heterostructures. Physical Review B, 2021, 103, . | 1.1 | 2 |
| 153 | Graphene Plasmonics. , 2017, , 104-140. | | 1 |
| 154 | Graphene Plasmonic Metasurface for Beam Forming and Gas Sensing. , 2019, , . | | 1 |
| 155 | Broadband focusing of acoustic plasmons in graphene with an applied current. Physical Review B, 2021, 104, . | 1.1 | 1 |
| 156 | All-graphene electronics by exploiting physical analogies. , 2010, , . | | 0 |
| 157 | Graphene electronics and photonics (Invited). , 2013, , . | | 0 |
| 158 | Tunable polarization rotation using black phosphorous monolayers. , 2016, , . | | 0 |
| 159 | Graphene and black phosphorus for infrared optoelectronics. , 2017, , . | | 0 |
| 160 | Electron Optics with Graphene pâ€œn Junctions. , 0, , 141-158. | | 0 |
| 161 | Grapheneâ€œBN Heterostructures. , 0, , 219-237. | | 0 |
| 162 | Manipulating Light with 2D Materials. , 2018, , . | | 0 |

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|-----|--|-----|-----------|
| 163 | Guest Editorial: Programmable Metamaterials for Software-Defined Electromagnetic Control. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2020, 10, 1-5. | 2.7 | 0 |
| 164 | Graphene Nanocylinders: Hybridized Radial and Edge Coupled 3D Plasmon Modes in Self-Assembled Graphene Nanocylinders (Small 14/2021). Small, 2021, 17, 2170064. | 5.2 | 0 |
| 165 | Photonic and plasmonic guided modes in graphene-silicon photonic crystals. , 2016, , . | | 0 |
| 166 | Thickness dependent third-harmonic generation in few-layer black phosphorus. , 2016, , . | | 0 |
| 167 | A Thin Film Black Phosphorus Light-Emitting Diode. , 2020, , . | | 0 |
| 168 | Efficient domain wall motion in asymmetric magnetic tunnel junctions with vertical current flow. Journal of Magnetism and Magnetic Materials, 2022, 549, 168949. | 1.0 | 0 |
| 169 | Spatially composition-graded monolayer tungsten selenium telluride. Applied Physics Letters, 2022, 120, 231903. | 1.5 | 0 |