# Michele Tamagnone

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7091003/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 37 papers | 2,154 citations | 257101 24 h-index | 433756 31 g-index |
| 37 all docs | 37 docs citations | 37 times ranked | 2751 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Introducing Berry phase gradients along the optical path via propagation-dependent polarization transformations. Nanophotonics, 2022, 11, 713-725. | 2.9 | 14 |
| 2 | Imaging polarimetry through metasurface polarization gratings. Optics Express, 2022, 30, 9389. | 1.7 | 34 |
| 3 | Metasurface optics for on-demand polarization transformations along the optical path. Nature Photonics, 2021, 15, 287-296. | 15.6 | 212 |
| 4 | Multifunctional wide-angle optics and lasing based on supercell metasurfaces. Nature Communications, 2021, 12, 3787. | 5.8 | 66 |
| 5 | Electro-optic spatial light modulator from an engineered organic layer. Nature Communications, 2021, 12, 5928. | 5.8 | 58 |
| 6 | Structuring total angular momentum of light along the propagation direction with polarization-controlled meta-optics. Nature Communications, 2021, 12, 6249. | 5.8 | 59 |
| 7 | Remote structuring of near-field landscapes. Science, 2020, 369, 436-440. | 6.0 | 17 |
| 8 | In situ nanoscale imaging of moirÃ© superlattices in twisted van der Waals heterostructures. Nature Communications, 2020, 11, 4209. | 5.8 | 43 |
| 9 | Frequency combs induced by phase turbulence. Nature, 2020, 582, 360-364. | 13.7 | 87 |
| 10 | Ultrahigh Angular Selectivity of Disorder-Engineered Metasurfaces. ACS Photonics, 2020, 7, 991-1000. | 3.2 | 15 |
| 11 | Metasurface-based external cavity diode laser. , 2020, , . | | 0 |
| 12 | High Q-factor resonators and nanoantennas based on phonon polaritons in van der Waals materials. , 2020, , . | | 1 |
| 13 | Low Voltage Imaging of Quantum Materials Imaging the Surface Plasmon Polaritons in Chalcogenides. Microscopy and Microanalysis, 2019, 25, 460-461. | 0.2 | 0 |
| 14 | Polariton nanophotonics using phase-change materials. Nature Communications, 2019, 10, 4487. | 5.8 | 106 |
| 15 | A mid-infrared biaxial hyperbolic van der Waals crystal. Science Advances, 2019, 5, eaav8690. | 4.7 | 243 |
| 16 | Excitation of Strong Localized Surface Plasmon Resonances in Highly Metallic Titanium Nitride Nano-Antennas for Stable Performance at Elevated Temperatures. ACS Applied Nano Materials, 2019, 2, 3444-3452. | 2.4 | 27 |
| 17 | Radio frequency transmitter based on a laser frequency comb. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9181-9185. | 3.3 | 26 |
| 18 | Engineering phonon polaritons in van der Waals heterostructures to enhance in-plane optical anisotropy. Science Advances, 2019, 5, eaau7171. | 4.7 | 71 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Polariton Meta-Optics with Phase-Change Materials. , 2019, , . | | 0 |
| 20 | Single-Layer Metasurface with Controllable Multiwavelength Functions. Nano Letters, 2018, 18, 2420-2427. | 4.5 | 165 |
| 21 | Guided Modes of Anisotropic van der Waals Materials Investigated by near-Field Scanning Optical Microscopy. ACS Photonics, 2018, 5, 1196-1201. | 3.2 | 15 |
| 22 | Negative Refraction Based on Guided-Mode Assisted Meta-Gratings. , 2018, , . | | 0 |
| 23 | Magnetoplasmonic enhancement of Faraday rotation in patterned graphene metasurfaces. Physical Review B, 2018, 97, . | 1.1 | 27 |
| 24 | Selective excitation and imaging of ultraslow phonon polaritons in thin hexagonal boron nitride crystals. Light: Science and Applications, 2018, 7, 27. | 7.7 | 75 |
| 25 | Ultra-confined mid-infrared resonant phonon polaritons in van der Waals nanostructures. Science Advances, 2018, 4, eaat7189. | 4.7 | 100 |
| 26 | Imaging of Ultra-Confined Phonon Polaritons in Hexagonal Boron Nitride on Gold. , 2018, , . | | 1 |
| 27 | Mechanical Detection and Imaging of Hyperbolic Phonon Polaritons in Hexagonal Boron Nitride. ACS Nano, 2017, 11, 8741-8746. | 7.3 | 48 |
| 28 | Graphene Quantum Capacitors for High Frequency Tunable Analog Applications. Nano Letters, 2016, 16, 4746-4753. | 4.5 | 20 |
| 29 | Near optimal graphene terahertz non-reciprocal isolator. Nature Communications, 2016, 7, 11216. | 5.8 | 108 |
| 30 | Tri-Band, Polarization-Independent Reflectarray at Terahertz Frequencies: Design, Fabrication, and Measurement. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 268-277. | 2.0 | 39 |
| 31 | Theoretical Limits on the Efficiency of Reconfigurable and Nonreciprocal Graphene Antennas. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1549-1552. | 2.4 | 19 |
| 32 | Gate-controlled mid-infrared light bending with aperiodic graphene nanoribbons array. Nanotechnology, 2015, 26, 134002. | 1.3 | 54 |
| 33 | Steep-Slope Metalâ€“Insulator-Transition VO<sub>2</sub>Switches With Temperature-Stable High $I_{mathrm{{scriptscriptstyle ON}}}$. IEEE Electron Device Letters, 2015, 36, 972-974. | 2.2 | 25 |
| 34 | Predicting Input Impedance and Efficiency of Graphene Reconfigurable Dipoles Using a Simple Circuit Model. IEEE Antennas and Wireless Propagation Letters, 2014, 13, 313-316. | 2.4 | 32 |
| 35 | Fundamental limits and near-optimal design of graphene modulators and non-reciprocal devices. Nature Photonics, 2014, 8, 556-563. | 15.6 | 103 |
| 36 | Tunable graphene reflective cells for THz reflectarrays and generalized law of reflection. Applied Physics Letters, 2013, 102, . | 1.5 | 162 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Comment on â€˜Encoding many channels on the same frequency through radio vorticity: first experimental testâ€™. New Journal of Physics, 2012, 14, 118001. | 1.2 | 82 |