

# Anna C Tasolamprou

## List of Publications by Year in descending order

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Version: 2024-02-01

49  
papers

1,232  
citations

361296

20  
h-index

477173

29  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiwideband Terahertz Communications Via Tunable Graphene-Based Metasurfaces in 6G Networks: Graphene Enables Ultimate Multiwideband THz Wavefront Control. IEEE Vehicular Technology Magazine, 2022, 17, 16-25.	2.8	14
2	Submicron Organic-Inorganic Hybrid Radiative Cooling Coatings for Stable, Ultrathin, and Lightweight Solar Cells. ACS Photonics, 2022, 9, 1327-1337.	3.2	22
3	Laser induced periodic surface structures as polarizing optical elements. Applied Surface Science, 2021, 541, 148470.	3.1	24
4	A Multi-Functional Reconfigurable Metasurface: Electromagnetic Design Accounting for Fabrication Aspects. IEEE Transactions on Antennas and Propagation, 2021, 69, 1440-1454.	3.1	71
5	Ultrafast THz Self-action Graphene Based Modulators. , 2021, , .		0
6	Passive radiative cooling for the temperature and efficiency control of photovoltaics. , 2021, , .		1
7	Anapole Tolerance to Dissipation Losses in Thermally Tunable Water-Based Metasurfaces. Physical Review Applied, 2021, 15, .	1.5	16
8	Combined nano and micro structuring for enhanced radiative cooling and efficiency of photovoltaic cells. Scientific Reports, 2021, 11, 11552.	1.6	30
9	Passive radiative cooler for solar cells™ temperature and efficiency control. , 2021, , .		0
10	Observation of Ultrafast THz Self-actions in Graphene Based Modulators. , 2021, , .		0
11	Position dependence of local density of states in 3D band gap of a finite photonic crystal. , 2021, , .		0
12	Chiral Topological Surface States on a Finite Square Photonic Crystal Bounded by Air. Physical Review Applied, 2021, 16, .	1.5	8
13	Polaritonic cylinders as multifunctional metamaterials: Single scattering and effective medium description. Physical Review B, 2020, 102, .	1.1	5
14	Surface States on Photonic Crystals As Hybrid Dielectric Metasurface Bound States of the Termination Layer. ACS Photonics, 2020, 7, 2842-2849.	3.2	9
15	Flexible 3D Printed Conductive Metamaterial Units for Electromagnetic Applications in Microwaves. Materials, 2020, 13, 3879.	1.3	23
16	Toward the Realization of a Programmable Metasurface Absorber Enabled by Custom Integrated Circuit Technology. IEEE Access, 2020, 8, 92986-92998.	2.6	24
17	Scalability Analysis of Programmable Metasurfaces for Beam Steering. IEEE Access, 2020, 8, 105320-105334.	2.6	36
18	Local density of optical states in the three-dimensional band gap of a finite photonic crystal. Physical Review B, 2020, 101, .	1.1	13

#	ARTICLE	IF	CITATIONS
19	Toward Intelligent Metasurfaces: The Progress from Globally Tunable Metasurfaces to Software-Defined Metasurfaces with an Embedded Network of Controllers. <i>Advanced Optical Materials</i> , 2020, 8, 2000783.	3.6	145
20	Toroidal Multipoles in Metamaterials. , 2020, , 237-278.		2
21	Passive radiative cooling and other photonic approaches for the temperature control of photovoltaics: a comparative study for crystalline silicon-based architectures. <i>Optics Express</i> , 2020, 28, 18548.	1.7	45
22	Ultraviolet radiation impact on the efficiency of commercial crystalline silicon-based photovoltaics: a theoretical thermal-electrical study in realistic device architectures. <i>OSA Continuum</i> , 2020, 3, 1436.	1.8	8
23	Demonstration of Ultrafast THz Absorption Modulation in a Graphene-Based Thin Absorber. , 2019, , .		0
24	Exploration of Intercell Wireless Millimeter-Wave Communication in the Landscape of Intelligent Metasurfaces. <i>IEEE Access</i> , 2019, 7, 122931-122948.	2.6	41
25	Dynamic anapole in metasurfaces made of sculptured cylinders. <i>Physical Review B</i> , 2019, 100, .	1.1	14
26	Intelligent Metasurfaces with Continuously Tunable Local Surface Impedance for Multiple Reconfigurable Functions. <i>Physical Review Applied</i> , 2019, 11, .	1.5	108
27	Experimental Demonstration of Ultrafast THz Modulation in a Graphene-Based Thin Film Absorber through Negative Photoinduced Conductivity. <i>ACS Photonics</i> , 2019, 6, 720-727.	3.2	128
28	Experimental Observation of Ultrafast THz Absorption Modulation in a Graphene-Based Metasurface. , 2019, , .		1
29	High Frequency Substrate Technologies for the Realisation of Software Programmable Metasurfaces on PCB Hardware Platforms with Integrated Controller Nodes. , 2019, , .		4
30	Graphene THz Metasurfaces with Photoinduced Modulation. , 2019, , .		0
31	Joint Compressed Sensing and Manipulation of Wireless Emissions with Intelligent Surfaces. , 2019, , .		19
32	ABSense. , 2019, , .		14
33	Electromagnetic Aspects of Practical Approaches to Realization of Intelligent Metasurfaces. , 2018, , .		0
34	Tunable Perfect Anomalous Reflection in Metasurfaces with Capacitive Lumped Elements. , 2018, , .		7
35	Software-Defined Metasurface Paradigm: Concept, Challenges, Prospects. , 2018, , .		14
36	Pairing Toroidal and Magnetic Dipole Resonances in Elliptic Dielectric Rod Metasurfaces for Reconfigurable Wavefront Manipulation in Reflection. <i>Advanced Optical Materials</i> , 2018, 6, 1800633.	3.6	65

#	ARTICLE	IF	CITATIONS
37	Programmable Metasurfaces: State of the Art and Prospects. , 2018, , .		49
38	Intercell Wireless Communication in Software-defined Metasurfaces. , 2018, , .		28
39	Near-Infrared and Optical Beam Steering and Frequency Splitting in Air-Holes-in-Silicon Inverse Photonic Crystals. ACS Photonics, 2017, 4, 2782-2788.	3.2	24
40	Dielectric rod metasurfaces: Exploiting toroidal and magnetic dipole resonances. , 2017, , .		0
41	Toroidal eigenmodes in all-dielectric metamolecules. Physical Review B, 2016, 94, .	1.1	58
42	THz polarization control with chiral and bianisotropic metamaterials and metasurfaces. , 2016, , .		0
43	Frequency splitter based on the directional emission from surface modes in dielectric photonic crystal structures. Optics Express, 2015, 23, 13972.	1.7	24
44	Experimentally excellent beaming in a two-layer dielectric structure. Optics Express, 2014, 22, 23147.	1.7	23
45	Liquidâ€“crystal tunable waveguides for integrated plasmonic components. Photonics and Nanostructures - Fundamentals and Applications, 2013, 11, 73-84.	1.0	26
46	Computational techniques for the analysis and design of dielectric-loaded plasmonic circuitry. Optical and Quantum Electronics, 2011, 42, 541-555.	1.5	21
47	Liquid crystal-based dielectric loaded surface plasmon polariton optical switches. Journal of Applied Physics, 2011, 110, 093102.	1.1	31
48	Theoretical and experimental studies of hyperreflective polymer-network cholesteric liquid crystal structures with helicity inversion. Optics Communications, 2009, 282, 903-907.	1.0	21
49	Tunable optical properties of silicon-on-insulator photonic crystal slab structures. Journal of the European Optical Society-Rapid Publications, 0, 4, .	0.9	16