

# Vincenzo Caligiuri

## List of Publications by Year in descending order

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34  
papers

1,202  
citations

516561

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477173

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all docs

35  
docs citations

35  
times ranked

1956  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tailoring Resonant Energy Transfer Processes for Sustainable and Bio-Inspired Sensing. Sustainability, 2022, 14, 5337.	1.6	0
2	One-Dimensional Epsilon-Near-Zero Crystals. Advanced Photonics Research, 2021, 2, 2100053.	1.7	7
3	Hybrid Metastructures in the Epsilon-Near-Zero Regime. , 2021, , 1-28.		0
4	Hybrid Plasmonic/Photonic Nanoscale Strategy for Multilevel Anticounterfeit Labels. ACS Applied Materials & Interfaces, 2021, 13, 49172-49183.	4.0	24
5	Envisioning Quantum Electrodynamical Frameworks Based on Bio-Photonic Cavities. Photonics, 2021, 8, 470.	0.9	4
6	Strong Light-Matter Interaction and Spontaneous Emission Reshaping via Pseudo-Cavity Modes. Advanced Optical Materials, 2021, 9, 2101076.	3.6	2
7	Understanding and Controlling Mode Hybridization in Multicavity Optical Resonators Using Quantum Theory and the Surface Forces Apparatus. ACS Photonics, 2021, 8, 3517-3525.	3.2	8
8	Inter-Cavity Coupling Strength Control in Metal/Insulator Multilayers for Hydrogen Sensing. Photonics, 2021, 8, 537.	0.9	2
9	Core/Shell CdSe/CdS Bone-Shaped Nanocrystals with a Thick and Anisotropic Shell as Optical Emitters. Advanced Optical Materials, 2020, 8, 1901463.	3.6	12
10	Angle and Polarization Selective Spontaneous Emission in Dye-Doped Metal/Insulator/Metal Nanocavities. Advanced Optical Materials, 2020, 8, 1901215.	3.6	18
11	Ultrafast all-optical switching enabled by epsilon-near-zero-tailored absorption in metal-insulator nanocavities. Communications Physics, 2020, 3, .	2.0	47
12	Extreme-Parameter Non-Hermitian Dielectric Metamaterials. ACS Photonics, 2020, 7, 2578-2588.	3.2	12
13	Near- and Mid-Infrared Graphene-Based Photonic Architectures for Ultrafast and Low-Power Electro-Optical Switching and Ultra-High Resolution Imaging. ACS Applied Nano Materials, 2020, 3, 12218-12230.	2.4	20
14	Biodegradable and Insoluble Cellulose Photonic Crystals and Metasurfaces. ACS Nano, 2020, 14, 9502-9511.	7.3	36
15	Metal/Photoemissive-Blend Hyperbolic Metamaterials for Controlling the Topological Transition. Progress in Optical Science and Photonics, 2019, , 117-128.	0.3	0
16	New Directions in Thin Film Nanophotonics. Progress in Optical Science and Photonics, 2019, , .	0.3	6
17	Hybridization of epsilon-near-zero modes via resonant tunneling in layered metal-insulator double nanocavities. Nanophotonics, 2019, 8, 1505-1512.	2.9	25
18	Nanoporous gold metamaterials for high sensitivity plasmonic sensing. Nanoscale Horizons, 2019, 4, 1153-1157.	4.1	46

#	ARTICLE	IF	CITATIONS
19	A Semi-Classical View on Epsilon-Near-Zero Resonant Tunneling Modes in Metal/Insulator/Metal Nanocavities. <i>Nano Letters</i> , 2019, 19, 3151-3160.	4.5	56
20	Resonant Gain Singularities in Hyperbolic Metamaterials. <i>Progress in Optical Science and Photonics</i> , 2019, , 103-115.	0.3	0
21	Environmental Control of the Topological Transition in Metal/Photoemissive Blend Metamaterials. <i>Advanced Optical Materials</i> , 2018, 6, 1701380.	3.6	7
22	Benzoyl Halides as Alternative Precursors for the Colloidal Synthesis of Lead-Based Halide Perovskite Nanocrystals. <i>Journal of the American Chemical Society</i> , 2018, 140, 2656-2664.	6.6	490
23	Planar Double-Epsilon-Near-Zero Cavities for Spontaneous Emission and Purcell Effect Enhancement. <i>ACS Photonics</i> , 2018, 5, 2287-2294.	3.2	65
24	Extraordinary Effects in Quasi-Periodic Gold Nanocavities: Enhanced Transmission and Polarization Control of Cavity Modes. <i>ACS Nano</i> , 2018, 12, 504-512.	7.3	17
25	Robust and Bright Photoluminescence from Colloidal Nanocrystal/Al <sub>2</sub> O <sub>3</sub> Composite Films Fabricated by Atomic Layer Deposition. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 22356-22362.	4.0	9
26	Resonant Gain Singularities in 1D and 3D Metal/Dielectric Multilayered Nanostructures. <i>ACS Nano</i> , 2017, 11, 1012-1025.	7.3	48
27	Bright-Emitting Perovskite Films by Large-Scale Synthesis and Photoinduced Solid-State Transformation of CsPbBr <sub>3</sub> Nanoplatelets. <i>ACS Nano</i> , 2017, 11, 10206-10213.	7.3	118
28	Broadband optical transparency in plasmonic nanocomposite polymer films via exciton-plasmon energy transfer. <i>Optics Express</i> , 2016, 24, 14632.	1.7	4
29	Dielectric singularity in hyperbolic metamaterials: the inversion point of coexisting anisotropies. <i>Scientific Reports</i> , 2016, 6, 20002.	1.6	54
30	Metal-semiconductor-oxide extreme hyperbolic metamaterials for selectable canalization wavelength. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 08LT01.	1.3	19
31	Electro-Optical Light Extraction in Gold Photonic Quasi-Crystals Layered with Photosensitive Liquid Crystals. <i>Advanced Optical Materials</i> , 2014, 2, 950-955.	3.6	24
32	Tuneable broadband optical filter based on soft-composite materials. <i>Journal of Optics (United Kingdom)</i> , 2013, 16, 113001.	1.0	18
33	Electro and pressure tunable cholesteric liquid crystal devices based on ion-implanted flexible substrates. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7798.	2.7	9
34	Coexisting and Competing Light-Matter Interaction Regimes in Meta-Voltaic Systems. , 0, , .		0