

Vincenzo Caligiuri

List of Publications by Year in descending order

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34
papers

1,202
citations

516561

16
h-index

477173

29
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all docs

35
docs citations

35
times ranked

1956
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Bright-Emitting Perovskite Films by Large-Scale Synthesis and Photoinduced Solid-State Transformation of CsPbBr ₃ Nanoplatelets. <i>ACS Nano</i> , 2017, 11, 10206-10213.	7.3	118
3	Planar Double-Epsilon-Near-Zero Cavities for Spontaneous Emission and Purcell Effect Enhancement. <i>ACS Photonics</i> , 2018, 5, 2287-2294.	3.2	65
4	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
5	Dielectric singularity in hyperbolic metamaterials: the inversion point of coexisting anisotropies. <i>Scientific Reports</i> , 2016, 6, 20002.	1.6	54
6	Resonant Gain Singularities in 1D and 3D Metal/Dielectric Multilayered Nanostructures. <i>ACS Nano</i> , 2017, 11, 1012-1025.	7.3	48
7	Ultrafast all-optical switching enabled by epsilon-near-zero-tailored absorption in metal-insulator nanocavities. <i>Communications Physics</i> , 2020, 3, .	2.0	47
8	Nanoporous gold metamaterials for high sensitivity plasmonic sensing. <i>Nanoscale Horizons</i> , 2019, 4, 1153-1157.	4.1	46
9	Biodegradable and Insoluble Cellulose Photonic Crystals and Metasurfaces. <i>ACS Nano</i> , 2020, 14, 9502-9511.	7.3	36
10	Hybridization of epsilon-near-zero modes via resonant tunneling in layered metal-insulator double nanocavities. <i>Nanophotonics</i> , 2019, 8, 1505-1512.	2.9	25
11	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
12	Hybrid Plasmonic/Photonic Nanoscale Strategy for Multilevel Anticounterfeit Labels. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 49172-49183.	4.0	24
13	Near- and Mid-Infrared Graphene-Based Photonic Architectures for Ultrafast and Low-Power Electro-Optical Switching and Ultra-High Resolution Imaging. <i>ACS Applied Nano Materials</i> , 2020, 3, 12218-12230.	2.4	20
14	Metal-semiconductor-oxide extreme hyperbolic metamaterials for selectable canalization wavelength. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 08LT01.	1.3	19
15	Angle and Polarization Selective Spontaneous Emission in Dye-Doped Metal/Insulator/Metal Nanocavities. <i>Advanced Optical Materials</i> , 2020, 8, 1901215.	3.6	18
16	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
17	Tuneable broadband optical filter based on soft-composite materials. <i>Journal of Optics (United Kingdom)</i> 11 0.784314	1.0	13
18	Core/Shell CdSe/CdS Bone-Shaped Nanocrystals with a Thick and Anisotropic Shell as Optical Emitters. <i>Advanced Optical Materials</i> , 2020, 8, 1901463.	3.6	12

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19	Extreme-Parameter Non-Hermitian Dielectric Metamaterials. ACS Photonics, 2020, 7, 2578-2588.	3.2	12
20	Electro and pressure tunable cholesteric liquid crystal devices based on ion-implanted flexible substrates. Journal of Materials Chemistry C, 2013, 1, 7798.	2.7	9
21	Robust and Bright Photoluminescence from Colloidal Nanocrystal/Al ₂ O ₃ Composite Films Fabricated by Atomic Layer Deposition. ACS Applied Materials & Interfaces, 2018, 10, 22356-22362.	4.0	9
22	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
23	Environmental Control of the Topological Transition in Metal/Photoemissive Blend Metamaterials. Advanced Optical Materials, 2018, 6, 1701380.	3.6	7
24	One-Dimensional Epsilon-Near-Zero Crystals. Advanced Photonics Research, 2021, 2, 2100053.	1.7	7
25	New Directions in Thin Film Nanophotonics. Progress in Optical Science and Photonics, 2019, , .	0.3	6
26	Broadband optical transparency in plasmonic nanocomposite polymer films via exciton-plasmon energy transfer. Optics Express, 2016, 24, 14632.	1.7	4
27	Envisioning Quantum Electrodynamical Frameworks Based on Bio-Photonic Cavities. Photonics, 2021, 8, 470.	0.9	4
28	Strong Light-Matter Interaction and Spontaneous Emission Reshaping via Pseudo-Cavity Modes. Advanced Optical Materials, 2021, 9, 2101076.	3.6	2
29	Inter-Cavity Coupling Strength Control in Metal/Insulator Multilayers for Hydrogen Sensing. Photonics, 2021, 8, 537.	0.9	2
30	Metal/Photoemissive-Blend Hyperbolic Metamaterials for Controlling the Topological Transition. Progress in Optical Science and Photonics, 2019, , 117-128.	0.3	0
31	Hybrid Metastructures in the Epsilon-Near-Zero Regime. , 2021, , 1-28.		0
32	Resonant Gain Singularities in Hyperbolic Metamaterials. Progress in Optical Science and Photonics, 2019, , 103-115.	0.3	0
33	Coexisting and Competing Light-Matter Interaction Regimes in Meta-Voltaic Systems. , 0, , .		0
34	Tailoring Resonant Energy Transfer Processes for Sustainable and Bio-Inspired Sensing. Sustainability, 2022, 14, 5337.	1.6	0