

Marco Esposito

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,152
citations

430874

18
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

1763
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale 3D Chiral Plasmonic Helices with Circular Dichroism at Visible Frequencies. ACS Photonics, 2015, 2, 105-114.	6.6	211
2	Triple-helical nanowires by tomographic rotatory growth for chiral photonics. Nature Communications, 2015, 6, 6484.	12.8	145
3	Three Dimensional Chiral Metamaterial Nanospirals in the Visible Range by Vertically Compensated Focused Ion Beam Induced Deposition. Advanced Optical Materials, 2014, 2, 154-161.	7.3	110
4	Programmable Extreme Chirality in the Visible by Helix-Shaped Metamaterial Platform. Nano Letters, 2016, 16, 5823-5828.	9.1	71
5	Materials and 3D Designs of Helix Nanostructures for Chirality at Optical Frequencies. Advanced Optical Materials, 2017, 5, 1601079.	7.3	61
6	Biomolecular Sensing at the Interface between Chiral Metasurfaces and Hyperbolic Metamaterials. ACS Applied Materials & Interfaces, 2020, 12, 30181-30188.	8.0	55
7	Toward Cavity Quantum Electrodynamics with Hybrid Photon Gap-Plasmon States. ACS Nano, 2016, 10, 11360-11368.	14.6	53
8	Molecular Level Switching of Polymer/Nanocrystal Non-Covalent Interactions and Application in Hybrid Solar Cells. Advanced Functional Materials, 2015, 25, 111-119.	14.9	50
9	Nanoscale Study of the Tarnishing Process in Electron Beam Lithography-Fabricated Silver Nanoparticles for Plasmonic Applications. Journal of Physical Chemistry C, 2016, 120, 24314-24323.	3.1	49
10	Ultrastrong Plasmon Exciton Coupling by Dynamic Molecular Aggregation. ACS Photonics, 2018, 5, 143-150.	6.6	48
11	Tailoring chiro-optical effects by helical nanowire arrangement. Nanoscale, 2015, 7, 18081-18088.	5.6	43
12	Exciton Plasmon Coupling Enhancement via Metal Oxidation. ACS Nano, 2015, 9, 9691-9699.	14.6	39
13	Symmetry Breaking in Oligomer Surface Plasmon Lattice Resonances. Nano Letters, 2019, 19, 1922-1930.	9.1	37
14	Focused Ion Beam Processing for 3D Chiral Photonics Nanostructures. Micromachines, 2021, 12, 6.	2.9	30
15	Precise detection of circular dichroism in a cluster of nano-helices by photoacoustic measurements. Scientific Reports, 2017, 7, 5257.	3.3	27
16	Femtomolar Biodetection by a Compact Core-Shell 3D Chiral Metamaterial. Nano Letters, 2021, 21, 6179-6187.	9.1	26
17	Mid-Infrared Plasmonic Excitation in Indium Tin Oxide Microhole Arrays. ACS Photonics, 2018, 5, 2431-2436.	6.6	22
18	Tailoring Electromagnetic Hot Spots toward Visible Frequencies in Ultra-Narrow Gap Al ₂ O ₃ Bowtie Nanoantennas. ACS Photonics, 2018, 5, 3399-3407.	6.6	20

#	ARTICLE	IF	CITATIONS
19	3D Chiral MetaCrystals. <i>Advanced Functional Materials</i> , 2022, 32, 2109258.	14.9	14
20	Low-cost gel polymeric electrolytes for electrochromic applications. <i>Solar Energy Materials and Solar Cells</i> , 2022, 240, 111657.	6.2	11
21	Gallium chiral nanoshaping for circular polarization handling. <i>Materials Horizons</i> , 2021, 8, 187-196.	12.2	9
22	Exploiting Photo- and Electroluminescence Properties of Flrpic Organic Crystals. <i>Inorganic Chemistry</i> , 2016, 55, 6532-6538.	4.0	5
23	Highly Reflective Periodic Nanostructure Based on Thermal Evaporated Tungsten Oxide and Calcium Fluoride for Advanced Photonic Applications. <i>ACS Applied Nano Materials</i> , 2020, 3, 10978-10985.	5.0	5
24	Flexible distributed Bragg reflectors as optical outcouplers for OLEDs based on a polymeric anode. <i>Journal of Information Display</i> , 2021, 22, 39-47.	4.0	5
25	Dielectric and Ferroelectric Response of Multiphase Biâ€Feâ€O Ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800584.	1.8	3
26	Near-field enhancement in oxidized close gap aluminum dimers. <i>Nanotechnology</i> , 2021, 32, 025305.	2.6	3
27	Optical resonant properties of plasmonic helices in visible range. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	0