

Concetta Sibia

List of Publications by Year in descending order

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48
papers

1,672
citations

394421

19
h-index

289244

40
g-index

48
all docs

48
docs citations

48
times ranked

2088
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Chirality in Diffractive Metasurfaces by Photothermal Deflection Technique. Applied Sciences (Switzerland), 2022, 12, 1109.	2.5	4
2	Extrinsic Chirality and Circular Dichroism at Visible Frequencies Enabled by Birefringent $\text{I}\pm\text{-MoO}_3$ Nanoscale-Thick Films: Implications for Chiro-Optical Control. ACS Applied Nano Materials, 2022, 5, 5609-5616.	5.0	7
3	Titanium and Silicon Dioxide-Coated Fabrics for Management and Tuning of Infrared Radiation. Sensors, 2022, 22, 3918.	3.8	5
4	Broadband optical spin dependent reflection in self-assembled GaAs-based nanowires asymmetrically hybridized with Au. Scientific Reports, 2021, 11, 4316.	3.3	8
5	Photo-deflection technique for characterization of chirality in diffractive metasurfaces. , 2021, , .		0
6	Plasmonic Elliptical Nanohole Arrays for Chiral Absorption and Emission in the Near-Infrared and Visible Range. Applied Sciences (Switzerland), 2021, 11, 6012.	2.5	6
7	Rich Broadband Chiral Behavior in Low-cost Plasmonic Nanostructures. , 2021, , .		0
8	Study of the interaction mechanism between hydrophilic thiol capped gold nanoparticles and melamine in aqueous medium. Colloids and Surfaces B: Biointerfaces, 2021, 203, 111727.	5.0	9
9	Rich Near-Infrared Chiral Behavior in Diffractive Metasurfaces. Physical Review Applied, 2021, 16, .	3.8	16
10	Diffracted Beams from Metasurfaces: High Chiral Detectivity by Photothermal Deflection Technique. Advanced Optical Materials, 2021, 9, 2100670.	7.3	16
11	Photoacoustics for listening to metal nanoparticle super-aggregates. Nanoscale Advances, 2021, 3, 4692-4701.	4.6	13
12	Correlation between <i>in situ</i> structural and optical characterization of the semiconductor-to-metal phase transition of VO_2 thin films on sapphire. Nanoscale, 2020, 12, 851-863.	5.6	40
13	Chiral effects in low-cost plasmonic arrays of elliptic nanoholes. Optical and Quantum Electronics, 2020, 52, 1.	3.3	17
14	Circular Dichroism in the Second Harmonic Field Evidenced by Asymmetric Au Coated GaAs Nanowires. Micromachines, 2020, 11, 225.	2.9	8
15	Circular Dichroism in Low-Cost Plasmonics: 2D Arrays of Nanoholes in Silver. Applied Sciences (Switzerland), 2020, 10, 1316.	2.5	21
16	Thin films of phase change materials for light control of metamaterials in the optical and infrared spectral domain. Optical and Quantum Electronics, 2020, 52, 1.	3.3	8
17	Extended Chiro-optical Near-Field Response of Achiral Plasmonic Lattices. Journal of Physical Chemistry C, 2019, 123, 23620-23627.	3.1	26
18	Quantitative evaluation of emission properties and thermal hysteresis in the mid-infrared for a single thin film of vanadium dioxide on a silicon substrate. International Journal of Thermal Sciences, 2019, 146, 106061.	4.9	19

#	ARTICLE	IF	CITATIONS
19	Demonstration of extrinsic chirality of photoluminescence with semiconductor-metal hybrid nanowires. <i>Scientific Reports</i> , 2019, 9, 5040.	3.3	21
20	Enhanced Near-Field Chirality in Periodic Arrays of Si Nanowires for Chiral Sensing. <i>Molecules</i> , 2019, 24, 853.	3.8	10
21	Photo-acoustic detection of chirality in metal-polystyrene metasurfaces. <i>Applied Physics Letters</i> , 2019, 114, 053101.	3.3	31
22	Control of Au nanoantenna emission enhancement of magnetic dipolar emitters by means of VO ₂ phase change layers. <i>Optics Express</i> , 2019, 27, 24260.	3.4	12
23	Resonant Absorption in GaAs-Based Nanowires by Means of Photo-Acoustic Spectroscopy. <i>International Journal of Thermophysics</i> , 2018, 39, 1.	2.1	14
24	Photo-Acoustic Spectroscopy Reveals Extrinsic Optical Chirality in GaAs-Based Nanowires Partially Covered with Gold. <i>International Journal of Thermophysics</i> , 2018, 39, 1.	2.1	14
25	Long-wave infrared emissivity characterization of vanadium dioxide-based multilayer structure on silicon substrate by temperature-dependent radiometric measurements. <i>Infrared Physics and Technology</i> , 2018, 93, 112-115.	2.9	13
26	Photoacoustic Spectroscopy Investigation of Zinc Oxide/Diatom Frustules Hybrid Powders. <i>International Journal of Thermophysics</i> , 2018, 39, 1.	2.1	25
27	Photoacoustic technique for the characterization of plasmonic properties of 2D periodic arrays of gold nanoholes. <i>AIP Advances</i> , 2017, 7, 025210.	1.3	14
28	Evidence of Optical Circular Dichroism in GaAs-Based Nanowires Partially Covered with Gold. <i>Advanced Optical Materials</i> , 2017, 5, 1601063.	7.3	35
29	Self-Assembled Silver-Germanium Nanolayer Metamaterial with the Enhanced Nonlinear Response. <i>Advanced Optical Materials</i> , 2017, 5, 1700753.	7.3	16
30	Electronic Properties of a Functionalized Noble Metal Nanoparticles Covalent Network. <i>Journal of Physical Chemistry C</i> , 2017, 121, 18110-18119.	3.1	44
31	Photo-acoustic spectroscopy revealing resonant absorption of self-assembled GaAs-based nanowires. <i>Scientific Reports</i> , 2017, 7, 2833.	3.3	31
32	Chiral near-field manipulation in Au-GaAs hybrid hexagonal nanowires. <i>Optics Express</i> , 2017, 25, 14148.	3.4	22
33	Chiral light intrinsically couples to extrinsic/pseudo-chiral metasurfaces made of tilted gold nanowires. <i>Scientific Reports</i> , 2016, 6, 31796.	3.3	54
34	Electron microscopy reveals a soluble hybrid network of individual nanocrystals self-anchored by bifunctional thiol fluorescent bridges. <i>Nanoscale</i> , 2016, 8, 18161-18169.	5.6	26
35	Photothermal Characterization of Thermochromic Materials for Tunable Thermal Devices. <i>International Journal of Thermophysics</i> , 2015, 36, 1004-1015.	2.1	13
36	Numerical tailoring of linear response from plasmonic nano-resonators grown on a layer of polystyrene spheres. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	12

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37	Second Harmonic Generation Circular Dichroism from Self-Ordered Hybrid Plasmonic-Photonic Nanosurfaces. <i>Advanced Optical Materials</i> , 2014, 2, 208-213.	7.3	46
38	Anomalous optical switching and thermal hysteresis during semiconductor-metal phase transition of VO ₂ films on Si substrate. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	49
39	Chirality and Chiroptical Effects in Plasmonic Nanostructures: Fundamentals, Recent Progress, and Outlook. <i>Advanced Materials</i> , 2013, 25, 2517-2534.	21.0	591
40	Optimization of thermochromic VO ₂ based structures with tunable thermal emissivity. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	64
41	Circular Dichroism in the Optical Second-Harmonic Emission of Curved Gold Metal Nanowires. <i>Physical Review Letters</i> , 2011, 107, 257401.	7.8	98
42	Study of thermal and optical properties of SiO ₂ /GaN opals by photothermal deflection technique. <i>Optical and Quantum Electronics</i> , 2007, 39, 305-310.	3.3	28
43	Analysis of the photothermal deflection technique in the surface reflection scheme: Theory and experiment. <i>Journal of Applied Physics</i> , 1998, 83, 966-982.	2.5	41
44	New photothermal deflection method for thermal diffusivity measurement of semiconductor wafers. <i>Review of Scientific Instruments</i> , 1997, 68, 1521-1526.	1.3	30
45	Thermal characterization by photodeflection method. <i>Journal of Theoretical Biology</i> , 1996, 47, 51-65.	1.7	2
46	An experimental and theoretical analysis of the temperature profile in semiconductor laser diodes using the photodeflection technique. <i>Measurement Science and Technology</i> , 1995, 6, 1278-1290.	2.6	13
47	On the photodeflection method applied to low thermal diffusivity measurements. <i>Review of Scientific Instruments</i> , 1993, 64, 1576-1583.	1.3	74
48	Nanostructured materials for circular dichroism and chirality at the nanoscale: towards unconventional characterization. <i>Optical Materials Express</i> , 0, , .	3.0	6