Sotiris Droulias

List of Publications by Year in descending order

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28	406	759055 12	794469 19
papers	citations	h-index	g-index

28	28	28	448
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	X - waves in nonlinear normally dispersive waveguide arrays. Optics Express, 2005, 13, 1827.	1.7	44
2	Broad-Band Giant Circular Dichroism in Metamaterials of Twisted Chains of Metallic Nanoparticles. Journal of Physical Chemistry C, 2013, 117, 1130-1135.	1.5	40
3	Chiral Metamaterials with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>P</mml:mi><mml:mi>T</mml:mi></mml:mrow></mml:math> Symmetry and Beyond. Physical Review Letters, 2019, 122, 213201.	2.9	32
4	Extending the Maierâ€“Saupe theory to cybotactic nematics. Liquid Crystals, 2010, 37, 969-976.	0.9	28
5	Surface Plasmon Platform for Angle-Resolved Chiral Sensing. ACS Photonics, 2019, 6, 1485-1492.	3.2	27
6	Absolute Chiral Sensing in Dielectric Metasurfaces Using Signal Reversals. Nano Letters, 2020, 20, 5960-5966.	4.5	26
7	Switching dynamics in nonlinear directional fiber couplers with intermodal dispersion. Optics Communications, 2004, 240, 209-219.	1.0	20
8	PT -symmetric chiral metamaterials: Asymmetric effects and PT -phase control. Physical Review B, 2020, 101, .	1.1	17
9	Chiral sensing with achiral isotropic metasurfaces. Physical Review B, 2020, 102, .	1.1	16
10	LOCALIZED MODES IN A CIRCULAR ARRAY OF COUPLED NONLINEAR OPTICAL WAVEGUIDES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2006, 16, 1739-1752.	0.7	14
11	Finite-Size Effects in Metasurface Lasers Based on Resonant Dark States. ACS Photonics, 2018, 5, 3788-3793.	3.2	14
12	Quantum dot based 3D printed woodpile photonic crystals tuned for the visible. Nanoscale Advances, 2019, 1, 3413-3423.	2.2	12
13	Propagation of chirped solitary pulses in optical transmission lines: perturbed variational approach. Optics Communications, 2002, 213, 293-299.	1.0	11
14	Mechanism of the metallic metamaterials coupled to the gain material. Optics Express, 2014, 22, 28596.	1.7	11
15	Plasmonic response of ordered arrays of gold nanorods immersed within a nematic liquid crystal. Liquid Crystals, 2014, 41, 1430-1435.	0.9	11
16	Analytical Performance Assessment of Beamforming Efficiency in Reconfigurable Intelligent Surface-Aided Links. IEEE Access, 2021, 9, 115922-115931.	2.6	11
17	Dissipative soliton acceleration in nonlinear optical lattices. Optics Express, 2012, 20, 18165.	1.7	10
18	Dynamic Control of Light Chirality with Nanostructured Monolayer Black Phosphorus for Broadband Terahertz Applications. Advanced Optical Materials, 2022, 10, .	3.6	10

#	Article	IF	Citations
19	Waveguide array-grating compressors. Applied Physics Letters, 2005, 87, 131104.	1.5	9
20	Chiral sensing with achiral anisotropic metasurfaces. Physical Review B, 2021, 104, .	1.1	8
21	On loss compensation, amplification and lasing in metallic metamaterials. Nanomaterials and Nanotechnology, 2019, 9, 184798041881794.	1.2	7
22	Scattering Properties of PT-Symmetric Chiral Metamaterials. Photonics, 2020, 7, 43.	0.9	7
23	Lasing threshold control in two-dimensional photonic crystals with gain. Optics Express, 2014, 22, 19242.	1.7	6
24	Accessible phases via wave impedance engineering with PT -symmetric metamaterials. Physical Review B, 2019, 100, .	1.1	6
25	Experimental Demonstration of Darkâ€State Metasurface Laser with Controllable Radiative Coupling. Advanced Optical Materials, 2022, 10, .	3.6	5
26	A BROADBAND OPTICAL ISOLATOR BASED ON CHIRAL PLASMONIC-METAMATERIAL DESIGN. Progress in Electromagnetics Research M, 2019, 81, 67-73.	0.5	3
27	Effects of Coherent versus Incoherent Illumination and Imaging Setup on Experimental Measurements of Scattering Amplitudes in Metamaterials. ACS Photonics, 2021, 8, 1856-1862.	3.2	1
28	Enhanced chiral sensing using achiral metasurfaces with gain. Journal of the Optical Society of America B: Optical Physics, 2021, 38, C210.	0.9	0