

Pâ€a Huidobro

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,877
citations

257101

24
h-index

253896

43
g-index

49
all docs

49
docs citations

49
times ranked

1890
citing authors

#	ARTICLE	IF	CITATIONS
1	An Archimedes' screw for light. Nature Communications, 2022, 13, 2523.	5.8	19
2	Advances and Prospects in Topological Nanoparticle Photonics. ACS Photonics, 2022, 9, 1483-1499.	3.2	25
3	Energy density as a probe of band representations in photonic crystals. Journal of Physics Condensed Matter, 2022, 34, 314002.	0.7	6
4	Photon conservation in trans-luminal metamaterials. Optica, 2022, 9, 724.	4.8	6
5	Higher-order topology in plasmonic Kagome lattices. Applied Physics Letters, 2021, 118, .	1.5	26
6	Gain mechanism in time-dependent media. Optica, 2021, 8, 636.	4.8	23
7	Homogenization Theory of Space-Time Metamaterials. Physical Review Applied, 2021, 16, .	1.5	54
8	Gain in time-dependent media—a new mechanism. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 3360.	0.9	23
9	Probing graphene's nonlocality with singular metasurfaces. Nanophotonics, 2020, 9, 309-316.	2.9	11
10	Near- and Far-Field Excitation of Topological Plasmonic Metasurfaces. Photonics, 2020, 7, 81.	0.9	8
11	Wood Anomalies and Surface-Wave Excitation with a Time Grating. Physical Review Letters, 2020, 125, 127403.	2.9	46
12	Manipulating topological valley modes in plasmonic metasurfaces. Nanophotonics, 2020, 9, 657-665.	2.9	27
13	Nonlocal effects in plasmonic metasurfaces with almost touching surfaces. Physical Review B, 2020, 101, .	1.1	6
14	Robustness of topological corner modes in photonic crystals. Physical Review Research, 2020, 2, .	1.3	53
15	Transformation optics for plasmonics: from metasurfaces to excitonic strong coupling. Comptes Rendus Physique, 2020, 21, 389-408.	0.3	3
16	Plasmonic Control of Analyte Motion. , 2020, , .		0
17	Exciting Pseudospin-Dependent Edge States in Plasmonic Metasurfaces. ACS Photonics, 2019, 6, 2985-2995.	3.2	29
18	Bulk-edge correspondence and long-range hopping in the topological plasmonic chain. Nanophotonics, 2019, 8, 1337-1347.	2.9	40

#	ARTICLE	IF	CITATIONS
19	Resonant Far- to Near-Field Channeling in Synergetic Multiscale Antennas. ACS Photonics, 2019, 6, 1466-1473.	3.2	4
20	Nonlocal effects in singular plasmonic metasurfaces. Physical Review B, 2019, 99, .	1.1	11
21	A perspective on topological nanophotonics: Current status and future challenges. Journal of Applied Physics, 2019, 125, .	1.1	93
22	Computing one-dimensional metasurfaces. Physical Review B, 2019, 99, .	1.1	8
23	Singular graphene metasurfaces. EPJ Applied Metamaterials, 2019, 6, 10.	0.8	6
24	Broadband Nonreciprocal Amplification in Luminal Metamaterials. Physical Review Letters, 2019, 123, 206101.	2.9	87
25	Fresnel drag in space-time-modulated metamaterials. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24943-24948.	3.3	106
26	Broadband Tunable THz Absorption with Singular Graphene Metasurfaces. ACS Nano, 2018, 12, 1006-1013.	7.3	57
27	Topological Plasmonic Chain with Retardation and Radiative Effects. ACS Photonics, 2018, 5, 2271-2279.	3.2	95
28	Transformation optics approach to singular metasurfaces. Physical Review B, 2018, 98, .	1.1	21
29	Tunable plasmonic metasurface for perfect absorption. EPJ Applied Metamaterials, 2017, 4, 6.	0.8	22
30	Terahertz particle-in-liquid sensing with spoof surface plasmon polariton waveguides. APL Photonics, 2017, 2, .	3.0	33
31	Compacted dimensions and singular plasmonic surfaces. Science, 2017, 358, 915-917.	6.0	53
32	Hidden symmetries in plasmonic gratings. Physical Review B, 2017, 95, .	1.1	7
33	Topological photonics: From crystals to particles. Physical Review B, 2017, 96, .	1.1	46
34	Graphene, plasmons and transformation optics. Journal of Optics (United Kingdom), 2016, 18, 044024.	1.0	34
35	Graphene as a Tunable Anisotropic or Isotropic Plasmonic Metasurface. ACS Nano, 2016, 10, 5499-5506.	7.3	63
36	Plasmonic Nanoprobes for Stimulated Emission Depletion Nanoscopy. ACS Nano, 2016, 10, 10454-10461.	7.3	29

#	ARTICLE	IF	CITATIONS
37	Magnetic localized surface plasmons supported by metal structures. , 2015, , .		0
38	Quantum Plasmonics. Handbook of Surface Science, 2014, 4, 349-379.	0.3	2
39	Reversible dynamics of single quantum emitters near metal-dielectric interfaces. Physical Review B, 2014, 89, .	1.1	67
40	Magnetic Localized Surface Plasmons. Physical Review X, 2014, 4, .	2.8	77
41	Theory of Strong Coupling between Quantum Emitters and Propagating Surface Plasmons. Physical Review Letters, 2013, 110, 126801.	2.9	151
42	Plasmonic Brownian ratchet. Physical Review B, 2013, 88, .	1.1	13
43	Transformation plasmonics. Nanophotonics, 2012, 1, 51-64.	2.9	39
44	Superradiance mediated by graphene surface plasmons. Physical Review B, 2012, 85, .	1.1	80
45	Emergence of Anderson localization in plasmonic waveguides. Optics Letters, 2011, 36, 4341.	1.7	11
46	Moulding the flow of surface plasmons using conformal and quasiconformal mappings. New Journal of Physics, 2011, 13, 033011.	1.2	22
47	Transformation Optics for Plasmonics. Nano Letters, 2010, 10, 1985-1990.	4.5	200
48	Confining and slowing airborne sound with a corrugated metawire. Applied Physics Letters, 2008, 93, 083502.	1.5	35