

# Pâ€a Huidobro

## List of Publications by Year in descending order

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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	Transformation Optics for Plasmonics. Nano Letters, 2010, 10, 1985-1990.	4.5	200
2	Theory of Strong Coupling between Quantum Emitters and Propagating Surface Plasmons. Physical Review Letters, 2013, 110, 126801.	2.9	151
3	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
4	Topological Plasmonic Chain with Retardation and Radiative Effects. ACS Photonics, 2018, 5, 2271-2279.	3.2	95
5	A perspective on topological nanophotonics: Current status and future challenges. Journal of Applied Physics, 2019, 125, .	1.1	93
6	Broadband Nonreciprocal Amplification in Luminal Metamaterials. Physical Review Letters, 2019, 123, 206101.	2.9	87
7	Superradiance mediated by graphene surface plasmons. Physical Review B, 2012, 85, .	1.1	80
8	Magnetic Localized Surface Plasmons. Physical Review X, 2014, 4, .	2.8	77
9	Reversible dynamics of single quantum emitters near metal-dielectric interfaces. Physical Review B, 2014, 89, .	1.1	67
10	Graphene as a Tunable Anisotropic or Isotropic Plasmonic Metasurface. ACS Nano, 2016, 10, 5499-5506.	7.3	63
11	Broadband Tunable THz Absorption with Singular Graphene Metasurfaces. ACS Nano, 2018, 12, 1006-1013.	7.3	57
12	Homogenization Theory of Space-Time Metamaterials. Physical Review Applied, 2021, 16, .	1.5	54
13	Compacted dimensions and singular plasmonic surfaces. Science, 2017, 358, 915-917.	6.0	53
14	Robustness of topological corner modes in photonic crystals. Physical Review Research, 2020, 2, .	1.3	53
15	Wood Anomalies and Surface-Wave Excitation with a Time Grating. Physical Review Letters, 2020, 125, 127403.	2.9	46
16	Topological photonics: From crystals to particles. Physical Review B, 2017, 96, .	1.1	46
17	Bulk-edge correspondence and long-range hopping in the topological plasmonic chain. Nanophotonics, 2019, 8, 1337-1347.	2.9	40
18	Transformation plasmonics. Nanophotonics, 2012, 1, 51-64.	2.9	39

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19	Confining and slowing airborne sound with a corrugated metawire. <i>Applied Physics Letters</i> , 2008, 93, 083502.	1.5	35
20	Graphene, plasmons and transformation optics. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 044024.	1.0	34
21	Terahertz particle-in-liquid sensing with spoof surface plasmon polariton waveguides. <i>APL Photonics</i> , 2017, 2, .	3.0	33
22	Plasmonic Nanoprobes for Stimulated Emission Depletion Nanoscopy. <i>ACS Nano</i> , 2016, 10, 10454-10461.	7.3	29
23	Exciting Pseudospin-Dependent Edge States in Plasmonic Metasurfaces. <i>ACS Photonics</i> , 2019, 6, 2985-2995.	3.2	29
24	Manipulating topological valley modes in plasmonic metasurfaces. <i>Nanophotonics</i> , 2020, 9, 657-665.	2.9	27
25	Higher-order topology in plasmonic Kagome lattices. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	26
26	Advances and Prospects in Topological Nanoparticle Photonics. <i>ACS Photonics</i> , 2022, 9, 1483-1499.	3.2	25
27	Gain mechanism in time-dependent media. <i>Optica</i> , 2021, 8, 636.	4.8	23
28	Gain in time-dependent media—a new mechanism. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 3360.	0.9	23
29	Moulding the flow of surface plasmons using conformal and quasiconformal mappings. <i>New Journal of Physics</i> , 2011, 13, 033011.	1.2	22
30	Tunable plasmonic metasurface for perfect absorption. <i>EPJ Applied Metamaterials</i> , 2017, 4, 6.	0.8	22
31	Transformation optics approach to singular metasurfaces. <i>Physical Review B</i> , 2018, 98, .	1.1	21
32	An Archimedes' screw for light. <i>Nature Communications</i> , 2022, 13, 2523.	5.8	19
33	Plasmonic Brownian ratchet. <i>Physical Review B</i> , 2013, 88, .	1.1	13
34	Emergence of Anderson localization in plasmonic waveguides. <i>Optics Letters</i> , 2011, 36, 4341.	1.7	11
35	Nonlocal effects in singular plasmonic metasurfaces. <i>Physical Review B</i> , 2019, 99, .	1.1	11
36	Probing graphene's nonlocality with singular metasurfaces. <i>Nanophotonics</i> , 2020, 9, 309-316.	2.9	11

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37	Computing one-dimensional metasurfaces. <i>Physical Review B</i> , 2019, 99, .	1.1	8
38	Near- and Far-Field Excitation of Topological Plasmonic Metasurfaces. <i>Photonics</i> , 2020, 7, 81.	0.9	8
39	Hidden symmetries in plasmonic gratings. <i>Physical Review B</i> , 2017, 95, .	1.1	7
40	Singular graphene metasurfaces. <i>EPJ Applied Metamaterials</i> , 2019, 6, 10.	0.8	6
41	Nonlocal effects in plasmonic metasurfaces with almost touching surfaces. <i>Physical Review B</i> , 2020, 101, .	1.1	6
42	Energy density as a probe of band representations in photonic crystals. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 314002.	0.7	6
43	Photon conservation in trans-luminal metamaterials. <i>Optica</i> , 2022, 9, 724.	4.8	6
44	Resonant Far- to Near-Field Channeling in Synergetic Multiscale Antennas. <i>ACS Photonics</i> , 2019, 6, 1466-1473.	3.2	4
45	Transformation optics for plasmonics: from metasurfaces to excitonic strong coupling. <i>Comptes Rendus Physique</i> , 2020, 21, 389-408.	0.3	3
46	Quantum Plasmonics. <i>Handbook of Surface Science</i> , 2014, 4, 349-379.	0.3	2
47	Magnetic localized surface plasmons supported by metal structures. , 2015, , .		0
48	Plasmonic Control of Analyte Motion. , 2020, , .		0