Lucas Chesnel

List of Publications by Year
in descending order

16 papers	114 citations	1478505 6 h-index	1281871 11 g-index
16 all docs	16 docs citations	16 times ranked	67 citing authors

#	Article	IF	Citations
1	Design of a mode converter using thin resonant ligaments. Communications in Mathematical Sciences, 2022, 20, 425-445.	1.0	1
2	Acoustic passive cloaking using thin outer resonators. Zeitschrift Fur Angewandte Mathematik Und Physik, 2022, 73, 1.	1.4	2
3	A continuation method for building invisible obstacles in waveguides. Quarterly Journal of Mechanics and Applied Mathematics, 2021, 74, 83-116.	1.3	1
4	Design of an acoustic energy distributor using thin resonant slits. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	2.1	1
5	Surface waves in a channel with thin tunnels and wells at the bottom: Non-reflecting underwater topography. Asymptotic Analysis, 2020, 118, 81-122.	0.5	4
6	Exact zero transmission during the Fano resonance phenomenon in non-symmetric waveguides. Zeitschrift Fur Angewandte Mathematik Und Physik, 2020, 71, 1.	1.4	5
7	Insideâ€“outside duality with artificial backgrounds. Inverse Problems, 2019, 35, 104008.	2.0	9
8	From zero transmission to trapped modes in waveguides. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 165304.	2.1	5
9	Small obstacle asymptotics for a 2D semi-linear convex problem. Applicable Analysis, 2018, 97, 962-981.	1.3	0
10	Perfect transmission invisibility for waveguides with sound hard walls. Journal Des Mathematiques Pures Et Appliquees, 2018, 111, 79-105.	1.6	17
11	Transmission eigenvalues with artificial background for explicit material index identification. Comptes Rendus Mathematique, 2018, 356, 626-631.	0.3	12
12	Trapped modes and reflectionless modes as eigenfunctions of the same spectral problem. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20180050.	2.1	28
13	Invisibility and Perfect Reflectivity in Waveguides with Finite Length Branches. SIAM Journal on Applied Mathematics, 2018, 78, 2176-2199.	1.8	9
14	Non reflection and perfect reflection via Fano resonance in waveguides. Communications in Mathematical Sciences, 2018, 16, 1779-1800.	1.0	13
15	Bilaplacian problems with a signâ€changing coefficient. Mathematical Methods in the Applied Sciences, 2016, 39, 4964-4979.	2.3	3
16	A numerical approach for the Poisson equation in a planar domain with a small inclusion. BIT Numerical Mathematics, 2016, 56, 1237-1256.	2.0	4