Thomas Brunet

List of Publications by Year
in descending order

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28 papers	844 citations	623734 14 h-index	610901 24 g-index
28 all docs	28 docs citations	28 times ranked	1062 citing authors

#	Article	IF	Citations
1	Soft 3D acoustic metamaterial with negative index. Nature Materials, 2015, 14, 384-388.	27.5	269
2	Soft Acoustic Metamaterials. Science, 2013, 342, 323-324.	12.6	105
3	Flat acoustics with soft gradient-index metasurfaces. Nature Communications, 2019, 10, 143.	12.8	90
4	Soft porous silicone rubbers with ultra-low sound speeds in acoustic metamaterials. Scientific Reports, 2017, 7, 40106.	3.3	53
5	Tailoring of the porous structure of soft emulsion-templated polymer materials. Soft Matter, 2016, 12, 5154-5163.	2.7	49
6	Willis Metamaterial on a Structured Beam. Physical Review X, 2019, 9, .	8.9	41
7	Soft Porous Silicone Rubbers as Key Elements for the Realization of Acoustic Metamaterials. Langmuir, 2015, 31, 3215-3221.	3.5	33
8	Sharp acoustic multipolar-resonances in highly monodisperse emulsions. Applied Physics Letters, 2012, 101, .	3.3	28
9	Anchoring transition in confined discotic columnar liquid crystal films. Europhysics Letters, 2011, 93, 16004.	2.0	24
10	Design of a fluorinated magneto-responsive material with tuneable ultrasound scattering properties. Journal of Materials Chemistry B, 2014, 2, 1285.	5.8	18
11	Tuning the sound speed in macroporous polymers with a hard or soft matrix. Soft Matter, 2017, 13, 4526-4532.	2.7	18
12	Impact of polydispersity on multipolar resonant scattering in emulsions. Journal of the Acoustical Society of America, 2013, 133, 1996-2003.	1.1	17
13	Tuning Mie Scattering Resonances in Soft Materials with Magnetic Fields. Physical Review Letters, 2013, 111, 264301.	7.8	16
14	A Soft 3D Acoustic Metafluid with Dualâ€Band Negative Refractive Index. Advanced Materials, 2016, 28, 1760-1764.	21.0	16
15	Storage Moduli and Porosity of Soft PDMS PolyMIPEs Can Be Controlled Independently Using Thiolâ€“Ene Click Chemistry. Macromolecules, 2020, 53, 3719-3727.	4.8	15
16	Impact of Strong Scattering Resonances on Ballistic and Diffusive Wave Transport. Physical Review Letters, 2017, 119, 164301.	7.8	11
17	Mechanical and acoustic properties of macroporous acrylate materials near glass transition. Polymer, 2018, 148, 239-246.	3.8	10
18	Energy velocity of multiply scattered waves in strongly scattering media. Physical Review B, 2020, 101, .	3.2	7

#	Article	IF	Citations
19	Negative-index metamaterials: is double negativity a real issue for dissipative media?. EPJ Applied Metamaterials, 2015, 2, 3.	1.5	6
20	Elaboration of soft porous ultrasound insulators. RSC Advances, 2020, 10, 41946-41953.	3.6	5
21	Quasi-flat high-index acoustic lens for 3D underwater ultrasound focusing. Applied Physics Letters, 2022, 120, .	3.3	5
22	Mechanically tunable PDMS-based polyHIPE acoustic materials. Journal of Materials Chemistry C, 2022, 10, 6222-6226.	5.5	4
23	A Sacrificial Route for Soft Porous Polymers Synthesized via Frontal Photo-Polymerization. Polymers, 2020, 12, 1008.	4.5	2
24	In situ search for 3D Anderson localization of ultrasound in resonant emulsions. , 2016, , .		1
25	Experimental demonstration of negative refraction with 3D locally resonant acoustic metafluids. Scientific Reports, 2021, 11, 4627.	3.3	1
26	Resonant ultrasonic attenuation in emulsions. Journal of Physics: Conference Series, 2013, 457, 012006.	0.4	0
27	Soft acoustic metamaterials by design. , 2014, , .		0
28	Experimental demonstration of a negative phase velocity in soft 3D metafluids. , 2015, , .		0