

Thomas Brunet

List of Publications by Year in descending order

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Version: 2024-02-01

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	Mechanically tunable PDMS-based polyHIPE acoustic materials. <i>Journal of Materials Chemistry C</i> , 2022, 10, 6222-6226.	5.5	4
2	Quasi-flat high-index acoustic lens for 3D underwater ultrasound focusing. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	5
3	Experimental demonstration of negative refraction with 3D locally resonant acoustic metafluids. <i>Scientific Reports</i> , 2021, 11, 4627.	3.3	1
4	A Sacrificial Route for Soft Porous Polymers Synthesized via Frontal Photo-Polymerization. <i>Polymers</i> , 2020, 12, 1008.	4.5	2
5	Storage Moduli and Porosity of Soft PDMS PolyMIPES Can Be Controlled Independently Using Thiol-ene Click Chemistry. <i>Macromolecules</i> , 2020, 53, 3719-3727.	4.8	15
6	Energy velocity of multiply scattered waves in strongly scattering media. <i>Physical Review B</i> , 2020, 101, .	3.2	7
7	Elaboration of soft porous ultrasound insulators. <i>RSC Advances</i> , 2020, 10, 41946-41953.	3.6	5
8	Flat acoustics with soft gradient-index metasurfaces. <i>Nature Communications</i> , 2019, 10, 143.	12.8	90
9	Willis Metamaterial on a Structured Beam. <i>Physical Review X</i> , 2019, 9, .	8.9	41
10	Mechanical and acoustic properties of macroporous acrylate materials near glass transition. <i>Polymer</i> , 2018, 148, 239-246.	3.8	10
11	Soft porous silicone rubbers with ultra-low sound speeds in acoustic metamaterials. <i>Scientific Reports</i> , 2017, 7, 40106.	3.3	53
12	Tuning the sound speed in macroporous polymers with a hard or soft matrix. <i>Soft Matter</i> , 2017, 13, 4526-4532.	2.7	18
13	Impact of Strong Scattering Resonances on Ballistic and Diffusive Wave Transport. <i>Physical Review Letters</i> , 2017, 119, 164301.	7.8	11
14	In situ search for 3D Anderson localization of ultrasound in resonant emulsions. , 2016, , .		1
15	Tailoring of the porous structure of soft emulsion-templated polymer materials. <i>Soft Matter</i> , 2016, 12, 5154-5163.	2.7	49
16	A Soft 3D Acoustic Metafluid with Dual-Band Negative Refractive Index. <i>Advanced Materials</i> , 2016, 28, 1760-1764.	21.0	16
17	Negative-index metamaterials: is double negativity a real issue for dissipative media?. <i>EPJ Applied Metamaterials</i> , 2015, 2, 3.	1.5	6
18	Experimental demonstration of a negative phase velocity in soft 3D metafluids. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	Soft Porous Silicone Rubbers as Key Elements for the Realization of Acoustic Metamaterials. Langmuir, 2015, 31, 3215-3221.	3.5	33
20	Soft 3D acoustic metamaterial with negative index. Nature Materials, 2015, 14, 384-388.	27.5	269
21	Soft acoustic metamaterials by design. , 2014, , .		0
22	Design of a fluorinated magneto-responsive material with tuneable ultrasound scattering properties. Journal of Materials Chemistry B, 2014, 2, 1285.	5.8	18
23	Soft Acoustic Metamaterials. Science, 2013, 342, 323-324.	12.6	105
24	Tuning Mie Scattering Resonances in Soft Materials with Magnetic Fields. Physical Review Letters, 2013, 111, 264301.	7.8	16
25	Impact of polydispersity on multipolar resonant scattering in emulsions. Journal of the Acoustical Society of America, 2013, 133, 1996-2003.	1.1	17
26	Resonant ultrasonic attenuation in emulsions. Journal of Physics: Conference Series, 2013, 457, 012006.	0.4	0
27	Sharp acoustic multipolar-resonances in highly monodisperse emulsions. Applied Physics Letters, 2012, 101, .	3.3	28
28	Anchoring transition in confined discotic columnar liquid crystal films. Europhysics Letters, 2011, 93, 16004.	2.0	24