Antonin L Coutant

List of Publications by Year
in descending order

23	578	687363 13	677142 22
papers	citations	h-index	g-index

24	24	24	383
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rotational superradiant scattering in a vortex flow. Nature Physics, 2017, 13, 833-836.	16.7	160
2	Black hole radiation with short distance dispersion, an analytical<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>S</mml:mi></mml:math>-matrix approach. Physical Review D, 2012, 85, .	4.7	66
3	Black hole lasers, a mode analysis. Physical Review D, 2010, 81, .	4.7	53
4	Detecting Rotational Superradiance in Fluid Laboratories. Physical Review Letters, 2016, 117, 271101.	7.8	36
5	Undulations from amplified low frequency surface waves. Physics of Fluids, 2014, 26, 044106.	4.0	33
6	Black Hole Quasibound States from a Draining Bathtub Vortex Flow. Physical Review Letters, 2018, 121, 061101.	7.8	32
7	Hawking radiation of massive modes and undulations. Physical Review D, 2012, 86, .	4.7	24
8	Acoustic Su-Schrieffer-Heeger lattice: Direct mapping of acoustic waveguides to the Su-Schrieffer-Heeger model. Physical Review B, 2021, 103, .	3.2	24
9	Robustness of topological corner modes against disorder with application to acoustic networks. Physical Review B, 2020, 102, .	3.2	22
10	The imprint of the analogue Hawking effect in subcritical flows. Physical Review D, 2016, 94, .	4.7	20
11	Hawking radiation with dispersion: The broadened horizon paradigm. Physical Review D, 2014, 90, .	4.7	18
12	Low-frequency analogue Hawking radiation: The Bogoliubov-de Gennes model. Physical Review D, 2018, 97, .	4.7	18
13	Waves on a vortex: rays, rings and resonances. Journal of Fluid Mechanics, 2018, 857, 291-311.	3.4	18
14	Low-frequency analogue Hawking radiation: The Kortewegâ€“de Vries model. Physical Review D, 2018, 97, .	4.7	12
15	Impossibility of superluminal travel in Lorentz violating theories. Physical Review D, 2012, 85, .	4.7	10
16	Topological two-dimensional Suâ€“Schriefferâ€“Heeger analog acoustic networks: Total reflection at corners and corner induced modes. Journal of Applied Physics, 2021, 129, .	2.5	10
17	Dynamical instabilities and quasi-normal modes, a spectral analysis with applications to black-hole physics. Classical and Quantum Gravity, 2016, 33, 125032.	4.0	8
18	Slow sound laser in lined flow ducts. Journal of the Acoustical Society of America, 2019, 146, 2632-2644.	1.1	5

#	Article	IF	Citations
19	Unitary and nonunitary transitions around a cosmological bounce. Physical Review D, 2014, 89, .	4.7	3
20	Anomalous transmission through periodic resistive sheets. Journal of the Acoustical Society of America, 2020, 147, 3124-3135.	1.1	3
21	Quasi-normal modes and fermionic vacuum decay around a Kerr black hole. Classical and Quantum Gravity, 2019, 36, 035005.	4.0	2
22	Semiclassical momentum representation in quantum cosmology. Physical Review D, 2016, 93, .	4.7	1
23	Subwavelength Su-Schrieffer-Heeger topological modes in acoustic waveguides. Journal of the Acoustical Society of America, 2022, 151, 3626-3632.	1.1	0