

# Javier Redondo

## List of Publications by Year in descending order

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27  
papers

327  
citations

933447

10  
h-index

839539

18  
g-index

27  
all docs

27  
docs citations

27  
times ranked

278  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical prediction of the nondiffractive propagation of sonic waves through periodic acoustic media. <i>Physical Review B</i> , 2007, 75, .	3.2	89
2	Subdiffractive propagation of ultrasound in sonic crystals. <i>Physical Review B</i> , 2007, 76, .	3.2	70
3	On-off intermittency in a Zeeman laser model. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1996, 210, 301-306.	2.1	23
4	Multimode instability in ring fiber lasers. <i>Physical Review A</i> , 1999, 60, 2517-2528.	2.5	21
5	Propagation of sound beams behind sonic crystals. <i>Physical Review B</i> , 2009, 80, .	3.2	21
6	Sound diffusers based on sonic crystals. <i>Journal of the Acoustical Society of America</i> , 2013, 134, 4412-4417.	1.1	19
7	Application of Ultrasound Phase-Shift Analysis to Authenticate Wooden Panel Paintings. <i>Sensors</i> , 2014, 14, 7992-8002.	3.8	11
8	Beam focusing in reflections from flat subwavelength diffraction gratings. <i>Physical Review A</i> , 2014, 89, .	2.5	11
9	Quantitative characterization of bandgap properties of sets of isolated acoustic scatterers arranged using fractal geometries. <i>Applied Physics Express</i> , 2014, 7, 042201.	2.4	11
10	Prediction of the Random-Incidence Scattering Coefficient Using a FDTD Scheme. <i>Acta Acustica United With Acustica</i> , 2009, 95, 1040-1047.	0.8	10
11	Acoustic input impedance of a vibrating cylindrical tube. <i>Journal of Sound and Vibration</i> , 2007, 301, 649-664.	3.9	8
12	Intermittent and quasiperiodic behavior in a Zeeman laser model with large cavity anisotropy. <i>Physical Review E</i> , 1997, 56, 6589-6600.	2.1	7
13	Ultrasonic evaluation of the hydration degree of the orange peel. <i>Postharvest Biology and Technology</i> , 2012, 67, 130-137.	6.0	7
14	Diffusion stabilizes cavity solitons in bidirectional lasers. <i>Optics Express</i> , 2009, 17, 4897.	3.4	5
15	Explicit finite-difference time-domain scheme for the simulation of 1-3 piezoelectric effect in axisymmetrical configurations. <i>Wave Motion</i> , 2012, 49, 569-584.	2.0	3
16	Normal incidence sound insulation provided by Sonic Crystal Acoustic Screens made from rigid scatterers – assessment of different simulation methods. <i>Acta Acustica</i> , 2021, 5, 28.	1.0	3
17	Self-pulsing dynamics of ultrasound in a magnetoacoustic resonator. <i>Physical Review E</i> , 2005, 72, 036611.	2.1	2
18	Excitability in a nonlinear magnetoacoustic resonator. <i>Physical Review E</i> , 2007, 75, 015602.	2.1	2

#	ARTICLE	IF	CITATIONS
19	Stability Analysis of the FDTD Scheme in Porous Media. Acta Acustica United With Acustica, 2010, 96, 306-316.	0.8	1
20	Nonlinear effects in the radiation force generated by amplitude-modulated focused beams. AIP Conference Proceedings, 2012, , .	0.4	1
21	Simulaci3n num3rica de una cer3mica piezoel3ctrica. Modelling in Science Education and Learning, 0, 6, 131.	0.2	1
22	A Simple Method to Estimate the In Situ Performance of Noise Barriers. Applied Sciences (Switzerland), 2022, 12, 7027.	2.5	1
23	A New Technique for the Measurement of Characteristic Acoustic Impedance in Kundt Tubes Based on a Finite Difference Algorithm. Noise and Vibration Worldwide, 2001, 32, 27-34.	1.0	0
24	Excitability of ultrasound generated by magnetostriction. , 0, , .		0
25	Excitable behavior of ultrasound in a magnetoacoustic resonator. AIP Conference Proceedings, 2006, , .	0.4	0
26	Diffusion stabilizes cavity solitons in bidirectional lasers. , 2009, , .		0
27	Numerical study of nonlinear, transcranial focused ultrasound wave propagation for blood-brain barrier (BBB) opening. , 2012, , .		0