

VÃ-ctor Rosello Espinosa

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1860485/publications.pdf>

Version: 2024-02-01

57
papers

603
citations

623699

14
h-index

642715

23
g-index

61
all docs

61
docs citations

61
times ranked

517
citing authors

#	ARTICLE	IF	CITATIONS
1	A Risk-Based Model Using Communication Distance Reduction for the Assessment of Underwater Continuous Noise: An Application to the Bottlenose Dolphin (<i>Tursiops truncatus</i>) Inhabiting the Spanish North Atlantic Marine Demarcation. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 605.	2.6	0
2	Vertical Configuration of a Side Scan Sonar for the Monitoring of <i>Posidonia oceanica</i> Meadows. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1332.	2.6	8
3	Automatic Bluefin Tuna Sizing with a Combined Acoustic and Optical Sensor. <i>Sensors</i> , 2020, 20, 5294.	3.8	5
4	The effect of low frequency noise on the behaviour of juvenile <i>Sparus aurata</i> . <i>Journal of the Acoustical Society of America</i> , 2020, 147, 3795-3807.	1.1	20
5	Influence of fish backbone model geometrical features on the numerical target strength of swimbladdered fish. <i>ICES Journal of Marine Science</i> , 2020, 77, 2870-2881.	2.5	5
6	New Insights into the Design and Application of a Passive Acoustic Monitoring System for the Assessment of the Good Environmental Status in Spanish Marine Waters. <i>Sensors</i> , 2020, 20, 5353.	3.8	5
7	Automatic Bluefin Tuna (<i>Thunnus thynnus</i>) biomass estimation during transfers using acoustic and computer vision techniques. <i>Aquacultural Engineering</i> , 2019, 85, 22-31.	3.1	20
8	Enhanced fish bending model for automatic tuna sizing using computer vision. <i>Computers and Electronics in Agriculture</i> , 2018, 150, 52-61.	7.7	58
9	Automatic Bluefin Tuna sizing using a stereoscopic vision system. <i>ICES Journal of Marine Science</i> , 2018, 75, 390-401.	2.5	21
10	Relationship between weight and linear dimensions of Bluefin tuna (<i>Thunnus thynnus</i>) following fattening on western Mediterranean farms. <i>PLoS ONE</i> , 2018, 13, e0200406.	2.5	6
11	Numerical Simulation of Target Strength Measurements from Near to Far Field of Fish Using the Method of Fundamental Solutions. <i>Acta Acustica United With Acustica</i> , 2018, 104, 25-38.	0.8	8
12	Detection and target strength measurements of uneaten feed pellets with a single beam echosounder. <i>Aquacultural Engineering</i> , 2017, 78, 216-220.	3.1	18
13	Monitoring fish weight using pulse-echo waveform metrics. <i>Aquacultural Engineering</i> , 2017, 77, 125-131.	3.1	13
14	Relative infaunal bivalve density assessed from split beam echosounder angular information. <i>Oceanologia</i> , 2014, 56, 497-521.	2.2	0
15	Detection potential of the KM3NeT detector for high-energy neutrinos from the Fermi bubbles. <i>Astroparticle Physics</i> , 2013, 42, 7-14.	4.3	28
16	Expansion cone for the 3-inch PMTs of the KM3NeT optical modules. <i>Journal of Instrumentation</i> , 2013, 8, T03006-T03006.	1.2	15
17	Formation of collimated sound beams by three-dimensional sonic crystals. <i>Journal of Applied Physics</i> , 2012, 111, .	2.5	17
18	R&D studies for the development of a compact transmitter able to mimic the acoustic signature of a UHE neutrino interaction. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 662, S206-S209.	1.6	4

#	ARTICLE	IF	CITATIONS
19	R&D towards the acoustic positioning system of KM3NeT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 626-627, S214-S216.	1.6	9
20	Simultaneous self-collimation of fundamental and second-harmonic in sonic crystals. Applied Physics Letters, 2011, 99, .	3.3	11
21	A prototype for the acoustic triangulation system of the KM3NeT deep sea neutrino telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 459-461.	1.6	10
22	Self-organization of ultrasound in viscous fluids. Europhysics Letters, 2010, 92, 10003.	2.0	2
23	Self collimation of ultrasound in a three-dimensional sonic crystal. Applied Physics Letters, 2009, 94, .	3.3	38
24	Bistable and dynamic states of parametrically excited ultrasound in a fluid-filled interferometer. Journal of the Acoustical Society of America, 2009, 125, 3555-3560.	1.1	3
25	Use of parametric acoustic sources to generate neutrino-like signals. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, S208-S211.	1.6	5
26	Propagation of sound beams behind sonic crystals. Physical Review B, 2009, 80, .	3.2	21
27	Nonlinear change of on-axis pressure and intensity maxima positions and its relation with the linear focal shift effect. Ultrasonics, 2008, 48, 678-686.	3.9	14
28	System of Reciprocal Acoustic Sensors for Monitoring Sea Currents. , 2008, , .		1
29	Nonlinear Change Of On-Axis Pressure And Intensity Maxima Position In Focused Ultrasonic Beams. AIP Conference Proceedings, 2008, , .	0.4	0
30	Pattern Formation And Localized Structures In Acoustic Resonators Containing A Viscous Fluid. AIP Conference Proceedings, 2008, , .	0.4	0
31	Spatio-Temporal Dynamics in Parametric Sound Generation. AIP Conference Proceedings, 2008, , .	0.4	0
32	Calibration of sensors for acoustic detection of neutrinos. Journal of Physics: Conference Series, 2007, 81, 012015.	0.4	3
33	Theoretical prediction of the nondiffractive propagation of sonic waves through periodic acoustic media. Physical Review B, 2007, 75, .	3.2	89
34	Subdiffractive propagation of ultrasound in sonic crystals. Physical Review B, 2007, 76, .	3.2	70
35	Strong on-axis focal shift and its nonlinear variation in low-Fresnel-number ultrasound beams. Journal of the Acoustical Society of America, 2006, 119, 3618-3624.	1.1	9
36	Excitable behavior of ultrasound in a magnetoacoustic resonator. AIP Conference Proceedings, 2006, , .	0.4	0

#	ARTICLE	IF	CITATIONS
37	The Strong Effects Of On-Axis Focal Shift And Its Nonlinear Variation In Ultrasound Beams Radiated By Low Fresnel Number Transducers. AIP Conference Proceedings, 2006, , .	0.4	0
38	Localization of Ultrasound in Acoustic Interferometers. AIP Conference Proceedings, 2006, , .	0.4	0
39	FIRST ACTIVITIES IN ACOUSTIC DETECTION OF PARTICLES IN UPV. International Journal of Modern Physics A, 2006, 21, 137-141.	1.5	5
40	Self-pulsing dynamics of ultrasound in a magnetoacoustic resonator. Physical Review E, 2005, 72, 036611.	2.1	2
41	Domain wall dynamics in an optical Kerr cavity. Physical Review E, 2005, 71, 066209.	2.1	6
42	Nonlinear dynamics of a two-photon Fabry-Pérot laser. Optics Communications, 2000, 174, 195-204.	2.1	2
43	One- and two-photon lasers with injected signal in a high-Q fabry-Pérot cavity. Journal of Modern Optics, 2000, 47, 1347-1357.	1.3	0
44	Nonlinear dynamics of a class-a two-photon laser with injected signal in cascade systems. Journal of Modern Optics, 1999, 46, 1483-1493.	1.3	1
45	Nonlinear dynamics of a class-a two-photon laser with injected signal in cascade systems. Journal of Modern Optics, 1999, 46, 1483-1493.	1.3	4
46	Class-B two-photon Fabry-Pérot laser. Optics Communications, 1998, 155, 292-296.	2.1	5
47	Stationary emission and stability of a detuned cascade laser. Journal of Modern Optics, 1997, 44, 83-108.	1.3	4
48	Nonlinear dynamics of a class-A two-photon laser with injected signal. Journal of Modern Optics, 1996, 43, 2311-2336.	1.3	7
49	Types I and II intermittencies in a cascade model (Physics Letters A 206 (1995) 359). Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 209, 388.	2.1	1
50	Types I and II intermittencies in a cascade laser model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 206, 359-364.	2.1	14
51	Structural similarities and differences among attractors and their intensity maps in the laser-Lorenz model. Optics Communications, 1995, 117, 367-384.	2.1	5
52	Influence of Light Polarization on the Behaviour of a Resonant Cascade Laser. Journal of Modern Optics, 1995, 42, 895-911.	1.3	5
53	<title>Cascade laser dynamics</title>. Proceedings of SPIE, 1993, 2039, 206.	0.8	1
54	Dynamics of dark soliton-like structures in DOPO. , 0, , .		0

#	ARTICLE	IF	CITATIONS
55	Excitability of ultrasound generated by magnetostriction. , 0, , .		0
56	Ultrasonic testing of the time evolution properties of oranges. , 0, , .		0
57	Design and Application of a Passive Acoustic Monitoring System in the Spanish Implementation of the Marine Strategy Framework Directive. , 0, , .		3