

Salvatore Micalizio

List of Publications by Year in descending order

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61
papers

1,299
citations

331259

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377514

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62
all docs

62
docs citations

62
times ranked

603
citing authors

#	ARTICLE	IF	CITATIONS
1	Kr-Based Buffer Gas for Rb Vapor-Cell Clocks. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1442-1447.	1.7	7
2	Loaded Microwave Cavity for Compact Vapor-Cell Clocks. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 872-879.	1.7	4
3	A pulsed-Laser Rb atomic frequency standard for GNSS applications. GPS Solutions, 2021, 25, 1.	2.2	22
4	Intensity Detection Noise in Pulsed Vapor-Cell Frequency Standards. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2020, 67, 1074-1079.	1.7	12
5	Brownian motion-induced amplitude noise in vapor-cell frequency standards. New Journal of Physics, 2020, 22, 083050.	1.2	1
6	Preliminary characterization of a Rb Pulsed Optically Pumped clock for space applications. , 2019, , .		2
7	Rubidium Pulsed Optically Pumped Clock for Space Industry. , 2019, , .		7
8	Raman-Ramsey resonances in atomic vapor cells: Rabi pulling and optical-density effects. Physical Review A, 2019, 99, .	1.0	7
9	Phase Noise and Frequency Stability of the Red-Pitaya Internal PLL. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2019, 66, 412-416.	1.7	9
10	Reducing Cavity-Pulling Shift in Ramsey-Operated Compact Clocks. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2018, 65, 1294-1301.	1.7	8
11	High-Performance Coherent Population Trapping Clock with Polarization Modulation. Physical Review Applied, 2017, 7, .	1.5	76
12	Generalized electronics for compact atomic clocks. , 2017, , .		6
13	Pulsed Optically Pumped Rb clock. Journal of Physics: Conference Series, 2016, 723, 012015.	0.3	2
14	ac Stark shift measurements of the clock transition in cold Cs atoms: Scalar and tensor light shifts of the Δ transition. Physical Review A, 2016, 93, .	1.0	11
15	Avoiding Aliasing in Allan Variance: An Application to Fiber Link Data Analysis. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2016, 63, 646-655.	1.7	21
16	Precision test of the ac Stark shift in a rubidium atomic vapor. Physical Review A, 2016, 93, .	1.0	16
17	Simple-design ultra-low phase noise microwave frequency synthesizers for high-performing Cs and Rb vapor-cell atomic clocks. Review of Scientific Instruments, 2015, 86, 094707.	0.6	29
18	Simple method for ADC characterization under the frame of digital PM and AM noise measurement. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	Doppler-stabilized fiber link with 6â€‰dB noise improvement below the classical limit. Optics Letters, 2015, 40, 131.	1.7	18
20	Compact clocks for industrial applications: The EMRP project IND 55 MClocks. , 2015, , .		0
21	The pulsed optically pumped Rb frequency standard: A proposal for a space atomic clock. , 2015, , .		2
22	Accuracy evaluation of ITCsF2: a nitrogen cooled caesium fountain. Metrologia, 2014, 51, 270-284.	0.6	113
23	Industrialisation approach of the pop atomic clock for application to GNSS. , 2014, , .		3
24	Ramsey-fringe shape in an alkali-metal vapor cell with buffer gas. Physical Review A, 2013, 88, .	1.0	11
25	Pulsed optically pumped Rb clock: A high stability vapor cell frequency standard. , 2013, , .		1
26	Tracking DDS for coherent optical links. , 2013, , .		6
27	Cell-related effects in the pulsed optically pumped frequency standard. , 2012, , .		0
28	OCXO ensemble as improved local oscillator for atomic fountains. , 2012, , .		4
29	Pulsed optically pumped rubidium clock with high frequency-stability performance. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 457-462.	1.7	24
30	Metrological characterization of the pulsed Rb clock with optical detection. Metrologia, 2012, 49, 425-436.	0.6	153
31	Enhanced temperature sensitivity in vapor-cell frequency standards. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2012, 59, 2646-2654.	1.7	35
32	Pulsed optically pumped Rb clock with high frequency stability performances. , 2011, , .		4
33	Microwave cavities for vapor cell frequency standards. Review of Scientific Instruments, 2011, 82, 074703.	0.6	32
34	Medium-long term frequency stability of pulsed vapor cell clocks. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 1524-1534.	1.7	26
35	Pulsed optically pumped Rb clock with optical detection: First results. , 2010, , .		4
36	Improving short and long term stability of pulsed optically pumped vapor cell frequency standards. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
55	Slow light and superluminality in the coherent population trapping maser. Physical Review A, 2002, 66, .	1.0	19
56	Rabi resonances in the $\hat{\nu}$ excitation scheme. Physical Review A, 2002, 66, .	1.0	30
57	Subcollisional linewidth observation in the coherent-population-trapping Rb maser. Physical Review A, 2002, 65, .	1.0	12
58	THE COHERENT POPULATION TRAPPING MASER. , 2002, , .		15
59	Dark-line in optically-thick vapors: inversion phenomena and line width narrowing. European Physical Journal D, 2002, 18, 5-13.	0.6	23
60	Title is missing!. European Physical Journal D, 2002, 18, 5-13.	0.6	13
61	Theory of the coherent population trapping maser: $\hat{\nu}$ A strong-field self-consistent approach. Physical Review A, 2000, 62, .	1.0	23