

Andreeva Ch

List of Publications by Year in descending order

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docs citations

37
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of all-optical magnetometry for detection of weak magnetic fields generated by a current-carrying metallised track. <i>Quantum Electronics</i> , 2022, 52, 544-548.	1.0	1
2	Trapping, detection and manipulation of single Rb atoms in an optical dipole trap using a long-focus objective lens. <i>Journal of Physics: Conference Series</i> , 2021, 1859, 012049.	0.4	1
3	Coherent magneto-optical resonances in hot potassium vapor. <i>Journal of Physics: Conference Series</i> , 2021, 1859, 012022.	0.4	0
4	High-contrast level-crossing resonances in a small cesium vapor cell for applications in atomic magnetometry. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	6
5	High resolution laser spectroscopy of spatially restricted hot alkali atomic and dimer vapor. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	3.3	1
6	Rydberg atoms and quantum information. , 2019, , .		0
7	Excitation transfer from second to first resonance line of potassium observed in hot atomic vapor. <i>Optical and Quantum Electronics</i> , 2018, 50, 1.	3.3	1
8	Controlling the interactions between cold Rydberg atoms by a time-varying electric field. <i>Journal of Physics: Conference Series</i> , 2017, 793, 012024.	0.4	0
9	Dark-state resonances observed on the D2 line of potassium. , 2017, , .		0
10	Insulin potentiation of photodynamic activity <i>in vitro</i> . <i>Journal of Porphyrins and Phthalocyanines</i> , 2017, 21, 502-509.	0.8	0
11	Line shapes and time dynamics of the F ₁ resonances between two Rydberg atoms in a time-varying electric field. <i>Physical Review A</i> , 2016, 94, .	2.5	18
12	Controlling the interactions of a few cold Rb Rydberg atoms by radio-frequency-assisted F ₁ resonances. <i>Physical Review A</i> , 2014, 90, .	2.5	43
13	Analytical model of transit time broadening for two-photon excitation in a three-level ladder and its experimental validation. <i>Physical Review A</i> , 2012, 86, .	2.5	7
14	Saturation effects in the sub-Doppler spectroscopy of cesium vapor confined in an extremely thin cell. <i>Physical Review A</i> , 2007, 76, .	2.5	53
15	Ground-state magneto-optical resonances in cesium vapor confined in an extremely thin cell. <i>Physical Review A</i> , 2007, 76, .	2.5	15
16	Light-shift suppression in laser optically pumped vapour-cell atomic frequency standards. <i>Applied Physics B: Lasers and Optics</i> , 2005, 80, 841-848.	2.2	47
17	Towards a simple and performing CPT based magnetometer: optimization of experimental parameters (Invited Paper). , 2005, , .		5
18	Coherent population trapping for magnetic field measurements. , 2005, , .		6

#	ARTICLE	IF	CITATIONS
19	Sub-Doppler spectroscopy and coherence resonances in submicron Cs vapour layer. , 2005, , .		5
20	Coherent Population Trapping Spectra in Presence of ac Magnetic Fields. Physical Review Letters, 2005, 95, 123601.	7.8	8
21	Light shift reduction in atomic clocks. , 2004, , .		0
22	Frequency stability comparison of diode lasers locked to Doppler and sub-Doppler resonances. , 2004, , .		5
23	Coherent spectroscopy in Cs for precise magnetic field measurements. , 2004, , .		0
24	Coherent effects in the field of elliptically polarized light. , 2004, , .		0
25	Two-color coherent population trapping in a single Cs hyperfine transition, with application in magnetometry. Applied Physics B: Lasers and Optics, 2003, 76, 667-675.	2.2	27
26	Light shift and laser sidebands in gas-cell atomic clocks using optical pumping and coherent population trapping. , 2003, , .		1
27	Temperature dependence of coherent resonances in Na and Cs cells. , 2003, , .		0
28	Influence of external parameters on the locking position of a diode laser. , 2003, , .		0
29	Coherent spectroscopy of degenerate two-level systems in Cs. Physical Review A, 2002, 66, .	2.5	84
30	Coherent effects on the Zeeman sublevels of hyperfine states at the D1 and D2 lines of Rb. Journal of Optics B: Quantum and Semiclassical Optics, 2001, 3, 181-188.	1.4	43
31	Influence of the pumping field polarization on the coherent effects at Zeeman sublevels of hyperfine states in Rb. , 2001, 4397, 146.		0
32	CONTINUOUSLY TUNABLE EXTENDED CAVITY DIODE LASER AT 780 nm FOR HIGH RESOLUTION SPECTROSCOPY. Spectroscopy Letters, 2001, 34, 395-406.	1.0	5
33	Optogalvanic effect sign change in a hollow cathode discharge plasma. Vacuum, 2000, 58, 272-279.	3.5	3
34	Coherent effects on the Zeeman sublevels of hyperfine states in optical pumping of Rb by monomode diode laser. Optics Communications, 2000, 178, 103-110.	2.1	108
35	Optogalvanic atomic references for wavelength stabilization of diode lasers in the visible spectrum. , 1999, , .		0
36	Optogalvanic effect in hollow cathode discharge for wavelength calibration of diode lasers in the visible. , 1998, 3573, 351.		1

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37	Reducing light-shift effects in optically-pumped gas-cell atomic frequency standards. , 0, , .		3