

Andreeva Ch

List of Publications by Year in descending order

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37
papers

497
citations

1040056

9
h-index

839539

18
g-index

37
all docs

37
docs citations

37
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent effects on the Zeeman sublevels of hyperfine states in optical pumping of Rb by monomode diode laser. <i>Optics Communications</i> , 2000, 178, 103-110.	2.1	108
2	Coherent spectroscopy of degenerate two-level systems in Cs. <i>Physical Review A</i> , 2002, 66, .	2.5	84
3	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
4	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
5	Coherent effects on the Zeeman sublevels of hyperfine states at the D1 and D2 lines of Rb. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2001, 3, 181-188.	1.4	43
6	Controlling the interactions of a few cold Rb Rydberg atoms by radio-frequency-assisted F ₁ transitions. <i>Physical Review A</i> , 2014, 90, .	2.5	43
7	Two-color coherent population trapping in a single Cs hyperfine transition, with application in magnetometry. <i>Applied Physics B: Lasers and Optics</i> , 2003, 76, 667-675.	2.2	27
8	Line shapes and time dynamics of the F ₁ transitions between two Rydberg atoms in a time-varying electric field. <i>Physical Review A</i> , 2016, 94, .	2.5	18
9	Ground-state magneto-optical resonances in cesium vapor confined in an extremely thin cell. <i>Physical Review A</i> , 2007, 76, .	2.5	15
10	Coherent Population Trapping Spectra in Presence of ac Magnetic Fields. <i>Physical Review Letters</i> , 2005, 95, 123601.	7.8	8
11	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
12	Coherent population trapping for magnetic field measurements. , 2005, , .		6
13	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
14	CONTINUOUSLY TUNABLE EXTENDED CAVITY DIODE LASER AT 780 nm FOR HIGH RESOLUTION SPECTROSCOPY. <i>Spectroscopy Letters</i> , 2001, 34, 395-406.	1.0	5
15	Frequency stability comparison of diode lasers locked to Doppler and sub-Doppler resonances. , 2004, , .		5
16	Towards a simple and performing CPT based magnetometer: optimization of experimental parameters (Invited Paper). , 2005, , .		5
17	Sub-Doppler spectroscopy and coherence resonances in submicron Cs vapour layer. , 2005, , .		5
18	Optogalvanic effect sign change in a hollow cathode discharge plasma. <i>Vacuum</i> , 2000, 58, 272-279.	3.5	3

#	ARTICLE	IF	CITATIONS
19	Reducing light-shift effects in optically-pumped gas-cell atomic frequency standards. , 0, , .		3
20	Optogalvanic effect in hollow cathode discharge for wavelength calibration of diode lasers in the visible. , 1998, 3573, 351.		1
21	Light shift and laser sidebands in gas-cell atomic clocks using optical pumping and coherent population trapping. , 2003, , .		1
22	Excitation transfer from second to first resonance line of potassium observed in hot atomic vapor. Optical and Quantum Electronics, 2018, 50, 1.	3.3	1
23	High resolution laser spectroscopy of spatially restricted hot alkali atomic and dimer vapor. Optical and Quantum Electronics, 2020, 52, 1.	3.3	1
24	Trapping, detection and manipulation of single Rb atoms in an optical dipole trap using a long-focus objective lens. Journal of Physics: Conference Series, 2021, 1859, 012049.	0.4	1
25	Application of all-optical magnetometry for detection of weak magnetic fields generated by a current-carrying metallised track. Quantum Electronics, 2022, 52, 544-548.	1.0	1
26	Optogalvanic atomic references for wavelength stabilization of diode lasers in the visible spectrum. , 1999, , .		0
27	Influence of the pumping field polarization on the coherent effects at Zeeman sublevels of hyperfine states in Rb. , 2001, 4397, 146.		0
28	Temperature dependence of coherent resonances in Na and Cs cells. , 2003, , .		0
29	Influence of external parameters on the locking position of a diode laser. , 2003, , .		0
30	Light shift reduction in atomic clocks. , 2004, , .		0
31	Coherent spectroscopy in Cs for precise magnetic field measurements. , 2004, , .		0
32	Coherent effects in the field of elliptically polarized light. , 2004, , .		0
33	Controlling the interactions between cold Rydberg atoms by a time-varying electric field. Journal of Physics: Conference Series, 2017, 793, 012024.	0.4	0
34	Dark-state resonances observed on the D2 line of potassium. , 2017, , .		0
35	Insulin potentiation of photodynamic activity <i>in vitro</i>. Journal of Porphyrins and Phthalocyanines, 2017, 21, 502-509.	0.8	0
36	Coherent magneto-optical resonances in hot potassium vapor. Journal of Physics: Conference Series, 2021, 1859, 012022.	0.4	0

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37	Rydberg atoms and quantum information. , 2019, , .		0