

CITATION REPORT

List of articles citing

Coherence switching in a four-level system: quantum switch

DOI: 10.1103/physrevlett.84.4080

Physical Review Letters, 2000, 84, 4080-3.

Source: <https://exaly.com/paper-pdf/31577717/citation-report.pdf>

Version: 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
154	Pondermotive forces with slow light. <i>Physical Review Letters</i> , 2000 , 85, 4032-5	7.4	27
153	Quantum Switch. 2000 , 11, 39		
152	Potential applications of dark resonance to subpicosecond optical switches in hyper-terahertz repetition rates. 2001 , 78, 3382-3384		28
151	Dark-resonance-based quantum switching.		
150	Electromagnetically induced absorption spectra depending on intensities and detunings of the coupling field in Cs vapour. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2001 , 34, 4801-4808	1.3	32
149	Coherent Control of the Polarization of Ultrashort Optical Pulses Using Electromagnetically Induced Transparency. 2001 , 40, 137-141		2
148	Coherent medium as a polarization splitter of pulses. <i>Physical Review A</i> , 2002 , 65,	2.6	14
147	Propagation and nonlinear generation dynamics in a coherently prepared four-level system. <i>Physical Review A</i> , 2002 , 65,	2.6	52
146	Resonant enhancement of high-order optical nonlinearities based on atomic coherence. <i>Physical Review A</i> , 2002 , 65,	2.6	54
145	Electromagnetically induced gratings in a degenerate open two-level system. <i>Physical Review A</i> , 2002 , 65,	2.6	90
144	Electromagnetically induced transparency and controlled group velocity in a multilevel system. <i>Physical Review A</i> , 2002 , 66,	2.6	132
143	On pulse propagation in a coherently prepared multi-level medium [Reviewing of this paper was handled by a member of the Editorial Board.. <i>Journal of Modern Optics</i> , 2002 , 49, 201-206	1.1	1
142	NONLINEAR OPTICS OF ATOMS AND ELECTROMAGNETICALLY INDUCED TRANSPARENCY Dark resonance based optical switching. <i>Journal of Modern Optics</i> , 2002 , 49, 2477-2484	1.1	13
141	Transparency, slow light and enhanced nonlinear optics in a four-level scheme. 2002 , 4, S372-S375		101
140	Transparency and parametric generation in a four-level system [Reviewing of this paper was handled by a member of the Editorial Board.. <i>Journal of Modern Optics</i> , 2002 , 49, 87-95	1.1	46
139	Observation of a three-photon electromagnetically induced transparency in hot atomic vapor. <i>Physical Review A</i> , 2002 , 65,	2.6	64
138	Effect of concentration of the Er ³⁺ ion on electromagnetically induced transparency in Er ³⁺ :YAG crystal. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2002 , 294, 19-25	2.3	29

137	Quantum computer hardware based on rare-earth-ion-doped inorganic crystals. <i>Optics Communications</i> , 2002 , 201, 71-77	2	131
136	Quantum interference in atomic vapor controlled by a magnetic field. <i>Optics Communications</i> , 2002 , 207, 227-231	2	12
135	Model of a quantum dot coherently interacting with an ultrashort pulse of electromagnetic radiation. 2002 , 93, 257-262		2
134	Interference effects in atomic coherent systems: spectral features. <i>Optics Communications</i> , 2003 , 217, 291-297	2	2
133	Electromagnetically induced transparency in semiconductors via biexciton coherence. <i>Physical Review Letters</i> , 2003 , 91, 183602	7.4	170
132	Nonlinear magneto-optical rotation of elliptically polarized light. <i>Physical Review A</i> , 2003 , 67,	2.6	37
131	Electromagnetically induced absorption in quasi-degenerate two-level doppler broadened atomic system. <i>Journal of Modern Optics</i> , 2003 , 50, 2605-2613	1.1	6
130	Atomic coherence changes caused by optical pumping applied to electromagnetically induced absorption. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2003 , 36, 3721-3729	1.3	8
129	Enhancement of Kerr nonlinearity by multiphoton coherence. 2003 , 28, 96-8		103
128	Fast optical switching via stimulated Raman adiabatic passage. 2003 , 28, 2213-5		35
127	Observation of arbitrary group velocities of light from superluminal to subluminal on a single atomic transition line. <i>Physical Review A</i> , 2003 , 68,	2.6	103
126	Population shelved all-optical modulation. 2003 , 68,		9
125	Nonlinear optical properties of an electromagnetically induced transparency medium interacting with two quantized fields. 2003 , 5, 341-348		22
124	Multiple Occupancy of Triply Degenerate States in Icosahedral Symmetry. 2003 , 44, 319-334		3
123	Experimental demonstration of all-optical 1λ quantum routing. 2004 , 85, 893-895		28
122	Effects of field-induced quantum coherence on the absorptive line shape of a four-level system with three closely spaced upper levels. <i>Physical Review A</i> , 2004 , 70,	2.6	14
121	Nonlinear optical responses due to exciton-phonon interactions in strongly coupled exciton-phonon systems. <i>European Physical Journal D</i> , 2004 , 30, 117-121	1.3	2
120	The phase dependent double electromagnetically induced transparency in a four-level system with closed interaction contour. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004 , 324, 388-395	2.3	12

119	Autler-Townes effect in a strongly driven electromagnetically induced transparency resonance. <i>Physical Review A</i> , 2005 , 72,	2.6	44
118	Nonlinear interference effects and all-optical switching in optically dense inhomogeneously broadened media. <i>Physical Review A</i> , 2005 , 71,	2.6	13
117	Adiabatic pulse propagation in coherent atomic media with the tripod level configuration. <i>Physical Review A</i> , 2005 , 71,	2.6	32
116	Dynamic control of the photonic band gap using quantum coherence. <i>Physical Review A</i> , 2005 , 71,	2.6	42
115	Generation of entangled lights with temporally reversed photon wave packets. <i>Physical Review A</i> , 2005 , 71,	2.6	24
114	Sub-Doppler absorption narrowing in atomic vapor at two intense laser fields. <i>Optics Express</i> , 2005 , 13, 1448-56	3.3	16
113	Splitting of an electromagnetically induced transparency window of rubidium atoms in a static magnetic field. <i>Physical Review A</i> , 2005 , 72,	2.6	40
112	Spontaneously generated coherence effects in a laser-driven four-level atomic system. <i>Physical Review A</i> , 2005 , 72,	2.6	66
111	Quantum interference effects of two coherent population trapping states on the atomic spectral lines of a Fe= 0 - π g= 1 transition. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005 , 38, 1719-1726	1.3	2
110	Coherent phenomena due to double-dark states in a system with decay interference. <i>Physical Review A</i> , 2006 , 73,	2.6	23
109	Controlling nonlinear optical processes in multi-level atomic systems. 2006 , 97-175		17
108	Phase dependences of optical dispersion and group velocity in an Er ³⁺ -doped yttrium aluminium garnet crystal. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2006 , 39, 4409-4417	1.3	9
107	Controllable group velocity of the probe light in a Λ -type system with two fold levels. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006 , 350, 117-120	2.3	5
106	Dynamic control of coherent pulses via Fano-type interference in asymmetric double quantum wells. <i>Physical Review A</i> , 2006 , 73,	2.6	34
105	Phase-controlled light switching at low light levels. <i>Physical Review A</i> , 2006 , 73,	2.6	93
104	Population transfer via stimulated Raman adiabatic passage in a solid. <i>Physical Review A</i> , 2006 , 74,	2.6	35
103	Quantum coherence and population trapping in three-photon processes. <i>Physical Review A</i> , 2006 , 74,	2.6	26
102	All-optical switching at ultralow light levels. 2007 , 32, 1317-9		59

101	Optical information transfer between two light channels in a Pr(3+):Y(2)SiO(5)crystal. <i>Optics Express</i> , 2007 , 15, 16044-50	3-3	27
100	Two electromagnetically induced transparency windows and an enhanced electromagnetically induced transparency signal in a four-level tripod atomic system. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007 , 40, 3211-3219	1-3	37
99	Compensating losses in positive- and negative-index metamaterials through nonlinear-optical quantum switching. 2007 ,		1
98	The effect of atomic coherence on absorption in four-level atomic systems: an analytical study. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007 , 40, 837-849	1-3	11
97	Control of group velocity of light via magnetic field. <i>Optics Communications</i> , 2007 , 278, 350-362	2	6
96	Transient optical properties of coherent four-level atoms without undepleted ground-state approximation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 368, 336-340	2-3	7
95	Observation of coherent population transfer in a four-level tripod system with a rare-earth-metal-ion-doped crystal. <i>Physical Review A</i> , 2007 , 75,	2.6	34
94	Effect of field quantization on Rabi oscillation of equidistant cascade four-level system. 2008 , 70, 141-152		3
93	The manipulating of electromagnetically induced transparency in Pr3+: Y2SiO5 crystal by a rf-driving field. 2008 , 387, 108-114		3
92	All-optical control of the time delay in a one-dimensional photonic bandgap formed by double-quantum-wells. <i>Optics Communications</i> , 2008 , 281, 644-654	2	7
91	Enhanced four-wave mixing by atomic coherence in a Pr3+:Y2SiO5 crystal. 2008 , 93, 231107		19
90	Investigation of quantum coherence excitation and coherence transfer in an inhomogeneously broadened rare-earth doped solid. <i>Optics Express</i> , 2008 , 16, 5350-61	3-3	9
89	Reversible quantum optical data storage based on resonant Raman optical field excited spin coherence. <i>Optics Express</i> , 2008 , 16, 14304-13	3-3	6
88	Optical switching mediated by quantum interference of Raman transitions. <i>Optics Express</i> , 2008 , 16, 19113-7	3-3	13
87	Optically controlled resonance energy transfer: mechanism and configuration for all-optical switching. 2008 , 128, 144506		26
86	Dynamic control of EIT by changing optical phase. <i>Journal of Modern Optics</i> , 2008 , 55, 3093-3099	1.1	8
85	The optical control of electronic energy transfer through single and dual auxiliary beams. 2008 ,		
84	Storage and selective release of optical information based on fractional stimulated Raman adiabatic passage in a solid. 2008 , 92, 041107		6

83	Erasure of stored optical information in a Pr ³⁺ :Y ₂ SiO ₅ crystal. 2008 , 92, 011105		27
82	Optical switching property of electromagnetically induced transparency in a Λ system. 2008 ,		
81	Slow-light-based delayed quantum coherent control for all-optical information processing. 2008 ,		
80	Phase-controlled slow and fast light in current-modulated semiconductor optical amplifiers. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 095403	1.3	4
79	Control of the optical multistability in a three-level ladder-type quantum well system. <i>Optics Communications</i> , 2009 , 282, 4745-4748	2	53
78	Coherent control of a light field with electromagnetically induced transparency in a dark state Raman coherent tripod system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 596-600	2.3	8
77	Phase-dependent electromagnetically induced transparency and its dispersion properties in a four-level quantum well system. 2009 , 79,		82
76	Enhanced cross-Kerr nonlinearity via electromagnetically induced transparency in a four-level tripod atomic system. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 1423	1.7	43
75	Three-channel all-optical routing in a Pr ³⁺ :Y ₂ SiO ₅ crystal. <i>Optics Express</i> , 2009 , 17, 12197-202	3.3	10
74	Spontaneous emission and radiation properties of a driven four-level atom embedded in an anisotropic PBG. <i>Journal of Modern Optics</i> , 2009 , 56, 1713-1720	1.1	
73	Optical properties of an N-type system in Doppler-broadened multilevel atomic media of the rubidium D2 line. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 065506	1.3	17
72	All-optical switching in a coupled cavity-atom system. <i>Physical Review A</i> , 2010 , 82,	2.6	25
71	Measuring photon-photon interactions via photon detection. <i>Physical Review A</i> , 2010 , 82,	2.6	4
70	Optical bistability via coherent and incoherent fields in an Er ³⁺ -doped yttrium aluminum garnet crystal. <i>Optics Communications</i> , 2010 , 283, 3291-3295	2	25
69	Off-resonant activation of optical emission. <i>Optics Communications</i> , 2010 , 283, 4365-4367	2	8
68	Phase-dependent optical bistability and multistability in a semiconductor quantum well system. 2010 , 130, 2084-2088		57
67	All-optical modulation based on electromagnetically induced transparency. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 3354-3364	2.3	16
66	Magnetic plasmon resonance: Underlying route to plasmonic electromagnetically induced transparency in metamaterials. 2010 , 82,		26

65	Coherent control of the Goos-Hänchen shift. <i>Physical Review A</i> , 2010 , 81,	2.6	83
64	Spectroscopic analysis of Eu ³⁺ - and Eu ³⁺ :Yb ³⁺ -doped yttrium silicate crystalline powders prepared by combustion synthesis. 2010 , 108, 073501		38
63	Studies of electromagnetically induced transparency in metamaterials. <i>Optics Express</i> , 2010 , 18, 17736-47.3	4.3	47
62	Experimental demonstration of optical switching and routing via four-wave mixing spatial shift. <i>Optics Express</i> , 2010 , 18, 899-905	3.3	12
61	Tunable ultranarrow linewidth of a cavity induced by interacting dark resonances. <i>Journal of Modern Optics</i> , 2010 , 57, 641-645	1.1	13
60	Resonance fluorescence of single molecules assisted by a plasmonic structure. 2010 , 81,		50
59	Control of multitransparency windows via dark-state phase manipulation. <i>Physical Review A</i> , 2010 , 81,	2.6	37
58	OPTICAL BISTABILITY VIA INCOHERENT PUMPING FIELDS IN SEMICONDUCTOR QUANTUM WELLS. 2011 , 25, 97-108		7
57	Magneto-optical switching and routing via coherently induced photonic band gaps in a driven Fe=0 $\sigma_g = 1$ transition. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011 , 44, 065502	1.3	4
56	Interacting double dark resonances in a hot atomic vapor of helium. <i>Physical Review A</i> , 2011 , 84,	2.6	12
55	Switching enhancement and suppression of four-wave mixing via a dressing field. <i>Journal of Modern Optics</i> , 2011 , 58, 802-809	1.1	12
54	Phase control of coherent pulse propagation and switching based on electromagnetically induced transparency in a four-level atomic system. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011 , 44, 085502	1.3	14
53	Double EIT and enhanced EIT signal in a combination of E and V-type system of Rb-D2 transition. <i>Applied Physics B: Lasers and Optics</i> , 2011 , 103, 117-122	1.9	9
52	Dual-channel all-optical switching with tunable frequency in a five-level double-ladder atomic system. <i>Optics Communications</i> , 2011 , 284, 2930-2936	2	10
51	Sub- and Super-Luminal Phenomena in a Doubly Driven Four-Level System. <i>Communications in Theoretical Physics</i> , 2011 , 55, 671-675	2.4	10
50	Slow-light information conversion in a rare-earth-ion-doped solid. <i>New Journal of Physics</i> , 2011 , 13, 123008	0.8	4
49	Atom phase-locked coherence conversion using optical locking for ultralong photon storage beyond the spin T2 constraint. <i>New Journal of Physics</i> , 2012 , 14, 013003	2.9	1
48	Absorption and dispersion control in a five-level M-type atomic system. <i>Chinese Physics B</i> , 2012 , 21, 114207	0.7	5

47	Generation and storage of double slow light pulses in a solid. <i>Chinese Physics B</i> , 2012 , 21, 024205	1.2	1
46	Tunneling-induced high gain and narrow linewidth of a cavity with an asymmetric quantum-well system. <i>Journal of Modern Optics</i> , 2012 , 59, 729-733	1.1	2
45	Observation of spontaneously generated coherence on absorption in rubidium atomic beam. <i>Optics Communications</i> , 2012 , 285, 294-299	2	22
44	Light storage via slow-light four-wave mixing. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 785-787	2.3	2
43	All-optical routing and space demultiplexer via four-wave mixing spatial splitting. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 106, 365-371	1.9	6
42	Control of the threshold intensity and hysteresis cycle of optical Bi(multi)stability via atomic injection and exit rates from cavity. <i>Physics of Wave Phenomena</i> , 2013 , 21, 274-282	1.2	1
41	Optical bistability in low-dimensional semiconductor heterostructures under cw pump laser and infrared pulse signals. <i>Physics of Wave Phenomena</i> , 2013 , 21, 214-221	1.2	5
40	Variable-coupling-induced optical trapping in optical waveguides via dressed continuum. <i>Journal of Modern Optics</i> , 2013 , 60, 1006-1014	1.1	5
39	Phase-controlled absorption-gain properties and optical switching in nanodiamond nitrogen-vacancy center. <i>Applied Physics B: Lasers and Optics</i> , 2013 , 111, 65-73	1.9	10
38	Controllable twin laser pulse propagation and dual-optical switching in a four-level quantum dot nanostructure. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 1928	1.7	9
37	Control and manipulation of electromagnetically induced transparency in a nonlinear optomechanical system with two movable mirrors. <i>Physical Review A</i> , 2013 , 88,	2.6	84
36	Storage and retrieval of collective excitations on a long-lived spin transition in a rare-earth ion-doped crystal. <i>Optics Express</i> , 2013 , 21, 10087-94	3.3	7
35	SU(4) based classification of four-level systems and their semiclassical solution. <i>Journal of Mathematical Physics</i> , 2014 , 55, 122105	1.2	1
34	Phase-controlled optical switching and slow- and weak-light solitons in a coherent molecular system with permanent dipole moments. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 594	1.7	3
33	Power quantum control of odd-order multiwave mixing in an electromagnetically induced transparency window. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 1263	1.7	1
32	Interaction-free all-optical switching at low light intensities in a multiatom cavity-QED system. <i>Physical Review A</i> , 2014 , 89,	2.6	11
31	The Inversionless Amplification in a Tripod System of 87 Rb Atoms in a Magneto-optical Trap. <i>Chinese Physics Letters</i> , 2014 , 31, 043201	1.8	1
30	Electromagnetically induced transparency in the four-level system driven by bichromatic microwave field. 2014 ,		

29	Spin squeezing, entanglement, and coherence in two driven, dissipative, nonlinear cavities coupled with single- and two-photon exchange. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 1402	1.7	16
28	Controllable beating signal using stored light pulse. <i>Chinese Physics B</i> , 2014 , 23, 014205	1.2	1
27	Enormous enhancements of the Kerr nonlinearity at C-band telecommunication wavelength in an Er ³⁺ -doped YAG crystal. <i>Physica B: Condensed Matter</i> , 2014 , 442, 60-65	2.8	7
26	Waveguide quantum electrodynamics: Controllable channel from quantum interference. <i>Physical Review A</i> , 2014 , 89,	2.6	21
25	Vector-soliton storage and three-pulse-area theorem. <i>Physical Review A</i> , 2016 , 94,	2.6	4
24	Light deflection by light: Effect of incidence angle and inhomogeneity. <i>Physical Review A</i> , 2016 , 94,	2.6	1
23	Propagation of coupled dark-state polaritons and storage of light in a tripod medium. <i>Physical Review A</i> , 2017 , 95,	2.6	7
22	Strong Coherent Light Amplification with Double Electromagnetically Induced Transparency Coherences. <i>Scientific Reports</i> , 2017 , 7, 5796	4.9	13
21	Triple tailored nonlinear dispersion of dressed four- and six-wave mixing. <i>Laser Physics</i> , 2018 , 28, 065401.2		
20	Collapse and revival oscillation in Double Jaynes-Cummings model. <i>European Physical Journal D</i> , 2019 , 73, 1	1.3	0
19	Local modulation of double electromagnetically induced transparency in an inverted-Y atomic system. <i>Laser Physics</i> , 2020 , 30, 025202	1.2	0
18	Generation, control, storage and retrieval of complicated shaped four-wave mixing signal. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2020 , 53, 045402	1.3	0
17	Quantum Optical Switching Based on Local Single-excitation Resonance. <i>International Journal of Theoretical Physics</i> , 2020 , 59, 2606-2616	1.1	
16	Surface-polaritonic phase singularities and multimode polaritonic frequency combs via dark rogue-wave excitation in hybrid plasmonic waveguide. <i>New Journal of Physics</i> , 2020 , 22, 033008	2.9	10
15	Electromagnetically induced grating via Kerr nonlinearity and spontaneously generated coherence in a Doppler broadened four-level N-type atomic system. <i>Physica Scripta</i> ,	2.6	0
14	Double-Electromagnetically-Induced-Transparency Ground-State Cooling of Stationary Two-Dimensional Ion Crystals. <i>Physical Review Letters</i> , 2021 , 126, 023604	7.4	6
13	Three-Colour Excitation of D1 Transition in Cold Rubidium Atoms. <i>Acta Physica Polonica A</i> , 2007 , 111, 299-321	0.6	1
12	Interplay between electromagnetically induced transparency (EIT), absorption (EIA), and Autler-Townes (AT) splitting in an N-type atomic system: experiment and theory. <i>OSA Continuum</i> , 2019 , 2, 994	1.4	3

11	A Novel Method of All-Optical Switching: Quantum Router. <i>ETRI Journal</i> , 2001 , 23, 106-110	1.4	15
10	Ultrafast Optical Switch Based on the Quantum Coherence Swapping. 2001 ,		
9	The Effect of Incoherent Pumping in Electromagnetically Induced Absorption. <i>Korean Journal of Optics and Photonics</i> , 2002 , 13, 449-454		
8	Compensating Losses in Doped Negative-Index Metamaterials via Four-Wave Mixing and Quantum Control. 2007 ,		
7	Controlling Spatial Shift and Spltting of Four-Wave Mixing. 2011 , 333-371		
6	Optical Routing and Space Demultiplexer of MWM Process. 311-329		
5	Thermal-motion-induced optical switching with standing-wave coupled atom-cavity system. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 3434	1.7	0
4	Three-photon electromagnetically induced absorption in a dressed atomic system. <i>Journal of the Optical Society of America B: Optical Physics</i> ,	1.7	
3	Observation of V-type electromagnetically induced transparency and optical switch in cold Cs atoms using nanofiber optical lattice. <i>Chinese Physics B</i> ,	1.2	
2	Tunable slow and fast light in an atom-assisted hybrid system via external mechanical driving force. <i>European Physical Journal Plus</i> , 2022 , 137,	3.1	0
1	Correlated Two-Photon Scattering in a 1D Waveguide Coupled to an N-Type Four-Level Emitter. 2023 , 535,		0