

**ПУБЛИКАЦИИ, ФОРМИРАЩИ Н-ИНДЕКСА (Н = 36)**

<b>N</b>	<b>Автори</b>	<b>Заглавие</b>	<b>Списание</b>	<b>бр.</b>	<b>стр.</b>	<b>год.</b>	<b>цита-ти</b>
1	N.V. Vitanov, T. Halfmann, B.W. Shore, and K. Bergmann	<i>Laser-induced population transfer by adiabatic passage techniques</i>	Annu. Rev. Phys. Chem.	52	763-809	2001	<b>627</b>
2	N.V. Vitanov, M. Fleischhauer, B.W. Shore, and K. Bergmann	<i>Coherent manipulation of atoms and molecules by sequential laser pulses</i>	Adv. At. Mol. Opt. Phys.	46	55-190	2001	<b>301</b>
3	N.V. Vitanov, A.A. Rangelov, B.W. Shore and K. Bergmann	<i>Stimulated Raman adiabatic passage in physics, chemistry and beyond</i>	Rev. Mod. Phys.	89	015006(66pp)	2017	<b>295</b>
4	N.V. Vitanov, K.-A. Suominen, and B.W. Shore	<i>Creation of coherent atomic superpositions by fractional stimulated Raman adiabatic passage</i>	J. Phys. B	32	4535-46	1999	<b>170</b>
5	N.V. Vitanov and B.M. Garraway	<i>Landau-Zener model: effects of finite coupling duration</i>	Phys. Rev. A	53	4288-304	1996	<b>162</b>
6	V. Yannopapas, E. Paspalakis and N.V. Vitanov	<i>Electromagnetically induced transparency and slow light in an array of metallic nanoparticles</i>	Phys. Rev. B	80	035104(6p)	2009	<b>155</b>
7	N.V. Vitanov	<i>Transition times in the Landau-Zener model</i>	Phys. Rev. A	59	988-94	1999	<b>121</b>
8	K. Bergmann, N.V. Vitanov and B.W. Shore	<i>Perspective: Stimulated Raman Adiabatic Passage: The status after 25 years</i>	J. Chem. Phys.	142	170901(20pp)	2015	<b>102</b>
9	T. Rickes, L.P. Yatsenko, S. Steuerwald, T. Halfmann, B.W. Shore, N.V. Vitanov, and K. Bergmann	<i>Efficient adiabatic population transfer by two-photon excitation assisted by a laser-induced Stark shift</i>	J. Chem. Phys.	113	534-46	2000	<b>97</b>
10	N.V. Vitanov and S. Stenholm	<i>Analytic properties and effective two-level problems in stimulated Raman adiabatic passage</i>	Phys. Rev. A	55	648-60	1997	<b>92</b>
11	V. Yannopapas, E. Paspalakis and N.V. Vitanov	<i>Plasmon-Induced Enhancement of Quantum Interference Near Metallic Nanostructures</i>	Phys. Rev. Lett.	103	063602(4p)	2009	<b>83</b>
12	F. Vewinger, M. Heinz, R. Garcia Fernandez, N.V. Vitanov, and K. Bergmann	<i>Creation and Measurement of a Coherent Superposition of Quantum States</i>	Phys. Rev. Lett.	91	213001(4p)	2003	<b>78</b>
13	R.G. Unanyan, N.V. Vitanov, and K. Bergmann	<i>Preparation of entangled states by adiabatic passage</i>	Phys. Rev. Lett.	87	137902(4p)	2001	<b>72</b>
14	B.T. Torosov, S. Guerin, and N.V. Vitanov	<i>High-Fidelity Adiabatic Passage by Composite Sequences of Chirped Pulses</i>	Phys. Rev. Lett.	106	233001(4p)	2011	<b>71</b>
15	N.V. Vitanov and S. Stenholm	<i>Pulsed excitation of a transition to a decaying level</i>	Phys. Rev. A	55	2982-8	1997	<b>68</b>
16	G.S. Vasilev, A. Kuhn, and N.V. Vitanov	<i>Optimum pulse shapes for stimulated Raman adiabatic passage</i>	Phys. Rev. A	80	013417(7p)	2009	<b>66</b>
17	N.V. Vitanov and S. Stenholm	<i>Properties of stimulated Raman adiabatic passage with intermediate-level detuning</i>	Opt. Commun.	135	394-405	1997	<b>60</b>
18	N.V. Vitanov and S. Stenholm	<i>Population transfer via a decaying state</i>	Phys. Rev. A	56	1463-71	1997	<b>58</b>
19	P.A. Ivanov, N.V. Vitanov, and K. Bergmann	<i>Effect of dephasing on stimulated Raman adiabatic passage</i>	Phys. Rev. A	70	063409(8p)	2004	<b>58</b>
20	B.M. Garraway and N.V. Vitanov	<i>Population dynamics and phase effects in periodic level crossings</i>	Phys. Rev. A	55	4418-32	1997	<b>55</b>
21	A.A. Rangelov, N.V. Vitanov, L.P. Yatsenko, B.W. Shore, T. Halfmann, and K. Bergmann	<i>Stark-shift-chirped rapid-adiabatic-passage technique among three states</i>	Phys. Rev. A	72	053403(12p)	2005	<b>53</b>
22	M. Krug, T. Bayer, M. Wollenhaupt, C. Sarpe-Tudoran, T. Baumert, S.S. Ivanov, and N.V. Vitanov	<i>Coherent strong-field control of multiple states by a single chirped femtosecond laser pulse</i>	New J. Phys.	11	105051(17p)	2009	<b>51</b>
23	V. Yannopapas and N.V. Vitanov	<i>First-Principles Study of Casimir Repulsion in Metamaterials</i>	Phys. Rev. Lett.	103	120401(4p)	2009	<b>49</b>
24	N.V. Vitanov	<i>Adiabatic population transfer by delayed laser pulses in multistate systems</i>	Phys. Rev. A	58	2295-309	1998	<b>45</b>

25	N.V. Vitanov and S. Stenholm	<i>Adiabatic population transfer via multiple intermediate states</i>	Phys. Rev. A	60	3820-32	1999	<b>45</b>
26	E.S. Kyoseva and N.V. Vitanov	<i>Coherent pulsed excitation of degenerate multistate systems: Exact analytic solutions</i>	Phys. Rev. A	73	023420(11p)	2006	<b>44</b>
27	N.V. Vitanov, B.W. Shore, L.P. Yatsenko, K. Böhmer, T. Halfmann, T. Rickes, and K. Bergmann	<i>Power broadening revisited: Theory and experiment</i>	Opt. Commun.	199	117-26	2001	<b>42</b>
28	P.A. Ivanov, S.S. Ivanov, N.V. Vitanov, A. Mehring, M. Fleischhauer, and K. Singer	<i>Simulation of a quantum phase transition of polaritons with trapped ions</i>	Phys. Rev. A	80	R060301(4p)	2009	<b>42</b>
29	L.P. Yatsenko, N.V. Vitanov, B.W. Shore, T. Rickes, K. Bergmann	<i>Creation of coherent superpositions using Stark-chirped rapid adiabatic passage</i>	Opt. Commun.	204	413-23	2002	<b>41</b>
30	N.V. Vitanov and B.W. Shore	<i>Stimulated Raman adiabatic passage in a two-state system</i>	Phys. Rev. A	73	053402(4p)	2006	<b>41</b>
31	V. Yannopapas and N.V. Vitanov	<i>Photoexcitation-induced magnetism in arrays of semiconductor nanoparticles with strong excitonic oscillator strength</i>	Phys. Rev. B	74	193304(4p)	2006	<b>41</b>
32	N.V. Vitanov, B.W. Shore, and K. Bergmann	<i>Adiabatic population transfer in multistate chains via dressed intermediate states</i>	Eur. Phys. J. D	4	15-29	1998	<b>39</b>
33	B.T. Torosov and N.V. Vitanov	<i>Smooth composite pulses for high-fidelity quantum information processing</i>	Phys. Rev. A	83	053420(7p)	2011	<b>39</b>
34	N.V. Vitanov and P.L. Knight	<i>Coherent excitation of a two-state system by a train of short pulses</i>	Phys. Rev. A	52	2245-61	1995	<b>37</b>
35	N.V. Vitanov	<i>Analytic model of a three-state system driven by two laser pulses on two-photon resonance</i>	J. Phys. B	31	709-25	1998	<b>37</b>
36	P.A. Ivanov, E.S. Kyoseva, and N.V. Vitanov	<i>Engineering of arbitrary <math>U(N)</math> transformations by quantum Householder reflection</i>	Phys. Rev. A	74	022323(8p)	2006	<b>37</b>
37	B. Rousseaux, S. Guérin, and N.V. Vitanov	<i>Synthesis of arbitrary qudit gates by adiabatic passage</i>	Phys. Rev. A	87	032328(4p)	2013	<b>36</b>