### Цитати на гл. ас. д-р Боян Торосов

Общ брой публикации в международни списания с импакт фактор - 21, независими цитиräния - 139 и h-индекс - 5. Публикации и цитати са както следва:

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[1] Composite pulses for ultrabroad-band and ultranarrow-band excitation  
BT Torosov, ES Kyoseva, NV Vitanov  


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BT Torosov, S Longhi, G Della Valle  
*Optics Communications* 346, 110-114 (2015)
BT Torosov, E Kyoseva, NV Vitanov

BT Torosov, NV Vitanov
Physical Review A 90 (1), 012341 (2014)


[5] Non-Hermitian shortcut to stimulated Raman adiabatic passage
BT Torosov, G Della Valle, S Longhi
Physical Review A 89 (6), 063412 (2014)


[6] Imaginary Kapitza pendulum
BT Torosov, G Della Valle, S Longhi


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[7] Non-Hermitian shortcut to adiabaticity

BT Torosov, G Della Valle, S Longhi


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[8] Composite stimulated Raman adiabatic passage

BT Torosov, NV Vitanov


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[9] Quantum simulation of the Riemann-Hurwitz ζ function
BT Torosov, G Della Valle, S Longhi
Physical Review A 87 (3), 032103 (2013)


[10] Adiabatic elimination of a nearly resonant quantum state
BT Torosov, NV Vitanov
Journal of Physics B: Atomic, Molecular and Optical Physics 45 (13), 135502 (2012)


GT Genov, BT Torosov, NV Vitanov
Physical Review A 84 (6), 063413 (2011)


[12] Evolution of superpositions of quantum states through a level crossing
BT Torosov, NV Vitanov
*Physical Review A* 84 (6), 063411 (2011)

[13] Cooling atom-cavity systems into entangled states
J Busch, S De, SS Ivanov, BT Torosov, TP Spiller, A Beige
*Physical Review A* 84 (2), 022316 (2011)

[14] High-fidelity adiabatic passage by composite sequences of chirped pulses
BT Torosov, S Guérin, NV Vitanov
*Physical review letters* 106 (23), 233001 (2011)

[16] Symmetries and asymmetries in coherent atomic excitation by chirped laser pulses
BT Torosov, GS Vasilev, NV Vitanov
Optics Communications 283 (7), 1338-1345 (2010)


[17] Design of quantum Fourier transforms and quantum algorithms by using circulant Hamiltonians
BT Torosov, NV Vitanov
Physical Review A 80 (2), 022329 (2009)


[18] Phase shifts in nonresonant coherent excitation
BT Torosov, NV Vitanov

[19] Exactly soluble two-state quantum models with linear couplings
BT Torosov, NV Vitanov


[20] Coherent control of a quantum transition by a phase jump
BT Torosov, NV Vitanov


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[21] Navigation between quantum states by quantum mirrors
PA Ivanov, BT Torosov, NV Vitanov

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