Yuri Rostovtsev

List of Publications by Year
in descending order

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33	1,937	759233 12	477307 29
papers	citations	h-index	g-index

33	33	33	1075
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ultraslow Group Velocity and Enhanced Nonlinear Optical Effects in a Coherently Driven Hot Atomic Gas. Physical Review Letters, 1999, 82, 5229-5232.	7.8	1,172
2	Stopping Light via Hot Atoms. Physical Review Letters, 2001, 86, 628-631.	7.8	276
3	X-ray quantum optics. Journal of Modern Optics, 2013, 60, 2-21.	1.3	120
4	Coherent Optical Control of MÃ¶ssbauer Spectra. Physical Review Letters, 1999, 82, 3593-3596.	7.8	80
5	Coherence brightened laser source for atmospheric remote sensing. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 15185-15190.	7.1	65
6	From laser-induced line narrowing to electromagnetically induced transparency in a Doppler-broadened system. Journal of Modern Optics, 2002, 49, 2501-2516.	1.3	39
7	Using quantum erasure to exorcize Maxwell's demon: I. Concepts and context. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 29-39.	2.7	18
8	Superfluorescence without inversion in coherently driven three-level systems. Physical Review A, 1999, 60, 1598-1609.	2.5	17
9	Laser control of Mossbauer spectra as a way to gamma-ray lasing. Optics Communications, 2000, 179, 537-547.	2.1	17
10	Generation and propagation of a resonant CARS signal from biomolecules: Application to dipicolinic acid. Journal of Modern Optics, 2004, 51, 2637-2644.	1.3	17
11	Numerical Experiments on Free-Electron Lasers Without Inversion. Physical Review Letters, 2003, 90, 214802.	7.8	16
12	XUV coherent Raman superradianceâ€. Journal of Modern Optics, 2008, 55, 3219-3236.	1.3	13
13	Using quantum erasure to exorcize Maxwell's demon: III. Implementation. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 47-52.	2.7	11
14	Using quantum erasure to exorcise Maxwell's demon: II. Analysis. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 40-46.	2.7	11
15	Modification of MÃ¶ssbauer Spectra under the Action of Electromagnetic Fields. Hyperfine Interactions, 2001, 135, 233-255.	0.5	7
16	Plasmonically Induced Transparency in Graphene Oxide Quantum Dots with Dressed Phonon States. ACS Photonics, 2018, 5, 614-620.	6.6	7
17	Active Control of Coherent Dynamics in Hybrid Plasmonic MoS₂ Monolayers with Dressed Phonons. ACS Photonics, 2019, 6, 1645-1655.	6.6	7
18	Suppression of³-photon absorption via quantum interference. Journal of Modern Optics, 2007, 54, 2595-2605.	1.3	6

#	Article	IF	Citations
19	Excitation of atomic coherence at XUV transition by using a far-off resonant two-frequency driving field. Journal of Modern Optics, 2008, 55, 3149-3157.	1.3	6
20	A resonant single frequency molecular detector with high sensitivity and selectivity for gas mixtures. Scientific Reports, 2020, 10, 1537.	3.3	6
21	Laser-MÃ¶ssbauer Spectroscopy as a New Tool for Nuclear Transitions. Hyperfine Interactions, 2002, 143, 121-131.	0.5	5
22	Stop and go control of light in hot atomic gases. Journal of Modern Optics, 2002, 49, 2637-2643.	1.3	4
23	Ultrafast dephasing in hydrogen-bonded pyridineâ€“water mixtures. Open Physics, 2021, 19, 234-240.	1.7	4
24	MÃ¶ssbauer spectra narrowing by spinning magnetic field. Journal of Modern Optics, 2004, 51, 2615-2625.	1.3	3
25	Injection time effects on LWI with microwave driven non-degenerate ground states. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 111-118.	2.7	3
26	Photovoltaics based on nanotubes filled with nanoparticles: generalized Mie theory approach. Journal of Modern Optics, 2013, 60, 73-78.	1.3	3
27	Excitation of atomic coherence at XUV transition enhanced by tunneling in an electric field for X-ray generation. Journal of Modern Optics, 2009, 56, 1949-1954.	1.3	2
28	MÃ¶ssbauer spectra narrowing by the â€˜magic-angleâ€˜ technique. Journal of Modern Optics, 2005, 52, 2401-2410.	1.3	1
29	Suppression of nuclear elastic forward scattering in experiments with trains of ultrashort pulses. Journal of Modern Optics, 2006, 53, 2459-2467.	1.3	1
30	Free-electron laser without inversion in the high gain regime. Journal of Modern Optics, 2003, 50, 2507-2514.	1.3	0
31	Adaptation of Fluctuating Magnetoacoustic System to External Signals. IEEE Access, 2021, 9, 80847-80853.	4.2	0
32	Generation of Strong Short Coherent TeraHertz Pulses in Gases and Solids Using Quantum Coherence. Journal of Nanoelectronics and Optoelectronics, 2007, 2, 36-50.	0.5	0
33	Trap dynamics of hot electrons in metalâ€“insulatorâ€“metal plasmonic structures for ultra-fast optoelectronics. Journal of Applied Physics, 2022, 131, 194501.	2.5	0