# Yuri Rostovtsev

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2808981/publications.pdf

Version: 2024-02-01

| 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 | 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 |
| 2 | Adaptation of Fluctuating Magnetoacoustic System to External Signals. IEEE Access, 2021, 9, 80847-80853. | 4.2 | 0 |
| 3 | Ultrafast dephasing in hydrogen-bonded pyridineâ€“water mixtures. Open Physics, 2021, 19, 234-240. | 1.7 | 4 |
| 4 | A resonant single frequency molecular detector with high sensitivity and selectivity for gas mixtures. Scientific Reports, 2020, 10, 1537. | 3.3 | 6 |
| 5 | Active Control of Coherent Dynamics in Hybrid Plasmonic MoS<sub>2</sub> Monolayers with Dressed Phonons. ACS Photonics, 2019, 6, 1645-1655. | 6.6 | 7 |
| 6 | Plasmonically Induced Transparency in Graphene Oxide Quantum Dots with Dressed Phonon States. ACS Photonics, 2018, 5, 614-620. | 6.6 | 7 |
| 7 | X-ray quantum optics. Journal of Modern Optics, 2013, 60, 2-21. | 1.3 | 120 |
| 8 | Photovoltaics based on nanotubes filled with nanoparticles: generalized Mie theory approach. Journal of Modern Optics, 2013, 60, 73-78. | 1.3 | 3 |
| 9 | 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 |
| 10 | 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 |
| 11 | XUV coherent Raman superradianceâ€. Journal of Modern Optics, 2008, 55, 3219-3236. | 1.3 | 13 |
| 12 | 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 |
| 13 | Suppression of$\hat{1}^3$-photon absorption via quantum interference. Journal of Modern Optics, 2007, 54, 2595-2605. | 1.3 | 6 |
| 14 | 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 |
| 15 | Suppression of nuclear elastic forward scattering in experiments with trains of ultrashort pulses. Journal of Modern Optics, 2006, 53, 2459-2467. | 1.3 | 1 |
| 16 | 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 |
| 17 | Using quantum erasure to exorcize Maxwell's demon: III. Implementation. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 47-52. | 2.7 | 11 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Using quantum erasure to exorcise Maxwell's demon: II. Analysis. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 40-46. | 2.7 | 11 |
| 20 | MÃ¶ssbauer spectra narrowing by the â€˜magic-angleâ€˜ technique. Journal of Modern Optics, 2005, 52, 2401-2410. | 1.3 | 1 |
| 21 | 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 |
| 22 | MÃ¶ssbauer spectra narrowing by spinning magnetic field. Journal of Modern Optics, 2004, 51, 2615-2625. | 1.3 | 3 |
| 23 | Free-electron laser without inversion in the high gain regime. Journal of Modern Optics, 2003, 50, 2507-2514. | 1.3 | 0 |
| 24 | Numerical Experiments on Free-Electron Lasers Without Inversion. Physical Review Letters, 2003, 90, 214802. | 7.8 | 16 |
| 25 | Stop and go control of light in hot atomic gases. Journal of Modern Optics, 2002, 49, 2637-2643. | 1.3 | 4 |
| 26 | 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 |
| 27 | Laser-MÃ¶ssbauer Spectroscopy as a New Tool for Nuclear Transitions. Hyperfine Interactions, 2002, 143, 121-131. | 0.5 | 5 |
| 28 | Modification of MÃ¶ssbauer Spectra under the Action of Electromagnetic Fields. Hyperfine Interactions, 2001, 135, 233-255. | 0.5 | 7 |
| 29 | Stopping Light via Hot Atoms. Physical Review Letters, 2001, 86, 628-631. | 7.8 | 276 |
| 30 | Laser control of Mossbauer spectra as a way to gamma-ray lasing. Optics Communications, 2000, 179, 537-547. | 2.1 | 17 |
| 31 | Superfluorescence without inversion in coherently driven three-level systems. Physical Review A, 1999, 60, 1598-1609. | 2.5 | 17 |
| 32 | Coherent Optical Control of MÃ¶ssbauer Spectra. Physical Review Letters, 1999, 82, 3593-3596. | 7.8 | 80 |
| 33 | 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 |