

# Vasily Yu Kharin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5532953/publications.pdf>

Version: 2024-02-01

18  
papers

201  
citations

933447

10  
h-index

996975

15  
g-index

18  
all docs

18  
docs citations

18  
times ranked

246  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical results for nonlinear Compton scattering in short intense laser pulses. Journal of Plasma Physics, 2016, 82, .	2.1	40
2	Interference Stabilization Revisited. IEEE Journal of Selected Topics in Quantum Electronics, 2012, 18, 42-53.	2.9	26
3	Optimizing Laser Pulses for Narrow-Band Inverse Compton Sources in the High-Intensity Regime. Physical Review Letters, 2019, 122, 204802.	7.8	22
4	Tunable polarization plasma channel undulator for narrow bandwidth photon emission. Physical Review Accelerators and Beams, 2016, 19, .	1.6	19
5	Higher-Dimensional Caustics in Nonlinear Compton Scattering. Physical Review Letters, 2018, 120, 044802.	7.8	17
6	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I}^3 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -Ray Generation from Plasma Wakefield Resonant Wiggler. Physical Review Letters, 2018, 120, 134801.	7.8	15
7	Analytical solutions for nonlinear Thomson scattering including radiation reaction. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 225701.	1.5	14
8	Temporal laser-pulse-shape effects in nonlinear Thomson scattering. Physical Review A, 2016, 93, .	2.5	13
9	Polarization response in extreme nonlinear optics: when can the semiclassical approach be used?. Laser Physics Letters, 2016, 13, 045301.	1.4	13
10	Narrow Bandwidth Gamma Comb from Nonlinear Compton Scattering Using the Polarization Gating Technique. Physical Review Letters, 2021, 126, 194801.	7.8	10
11	Flexible x-ray source with tunable polarization and orbital angular momentum from Hermite-Gaussian laser modes driven plasma channel wakefield. Physical Review Accelerators and Beams, 2019, 22, .	1.6	5
12	Self-reproducing Coins as Universal Turing Machine. Lecture Notes in Computer Science, 2018, , 57-64.	1.3	3
13	Polarisation gating technique in nonlinear Compton scattering: effect of radiation friction and electron beam nonideality. Quantum Electronics, 2021, 51, 812-818.	1.0	2
14	Vibrational-rotational behavior of diatomic heteronuclear molecular systems in intense laser pulses. Laser Physics, 2012, 22, 1693-1699.	1.2	1
15	Mutual influence of rotations and vibrations of a strongly "kicked" diatomic heteronuclear molecule. Laser Physics Letters, 2014, 11, 075302.	1.4	1
16	Dissociation of vibrationally excited heteronuclear molecules by an intense infrared field. Journal of Experimental and Theoretical Physics, 2014, 118, 351-358.	0.9	0
17	Low-frequency dipole response of a diatomic heteronuclear molecule on an intense ultrashort laser pulse. Journal of Physics: Conference Series, 2015, 594, 012022.	0.4	0
18	Plasma Channel Undulator for Narrow-Bandwidth X-Ray Generation. Springer Proceedings in Physics, 2018, , 163-166.	0.2	0