

# Rashid A Ganeev

## List of Publications by Year in descending order

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99  
papers

1,706  
citations

279487

23  
h-index

315357

38  
g-index

106  
all docs

106  
docs citations

106  
times ranked

722  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong resonance enhancement of a single harmonic generated in the extreme ultraviolet range. Optics Letters, 2006, 31, 1699.	1.7	186
2	Strong enhancement and extinction of single harmonic intensity in the mid- and end-plateau regions of the high harmonics generated in weakly excited laser plasmas. Optics Letters, 2007, 32, 65.	1.7	86
3	Intense exact resonance enhancement of single-high-harmonic from an antimony ion by using Ti:Sapphire laser at 37 nm. Optics Express, 2007, 15, 1161.	1.7	73
4	Single-harmonic enhancement by controlling the chirp of the driving laser pulse during high-order harmonic generation from GaAs plasma. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 2535.	0.9	68
5	Stable generation of high-order harmonics of femtosecond laser radiation from laser produced plasma plumes at 1ÅkHz pulse repetition rate. Optics Letters, 2012, 37, 2064.	1.7	65
6	Generation of high-order harmonics of high-power lasers in plasmas produced under irradiation of solid target surfaces by a prepulse. Physics-Usppekhi, 2009, 52, 55-77.	0.8	63
7	Nonlinear optical characterization of copper oxide nanoellipsoids. Scientific Reports, 2019, 9, 11414.	1.6	57
8	Influence of ablated and tunneled electrons on quasi-phase-matched high-order-harmonic generation in laser-produced plasma. Physical Review A, 2015, 91, .	1.0	47
9	High-order harmonic generation in fullerenes using few- and multi-cycle pulses of different wavelengths. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 7.	0.9	46
10	Strong nonlinear absorption in perovskite films. Optical Materials Express, 2018, 8, 1472.	1.6	39
11	Harmonic generation from partially ionized plasma [Invited]. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2221.	0.9	36
12	High-order harmonic cut-off frequency in atomic silver irradiated by femtosecond laser pulses: theory and experiment. European Physical Journal D, 2013, 67, 1.	0.6	35
13	Seventy-first harmonic generation from doubly charged ions in preformed laser-ablation vanadium plume at 110 eV. Optics Express, 2007, 15, 4112.	1.7	32
14	Nonlinear Optical Studies of Gold Nanoparticle Films. Nanomaterials, 2019, 9, 291.	1.9	31
15	Synthesis and photoluminescence properties of silver nanowires. Current Applied Physics, 2010, 10, 853-857.	1.1	30
16	Effective high-order harmonic generation from metal sulfide quantum dots. Optics Express, 2018, 26, 35013.	1.7	30
17	Analysis of nonlinear self-interaction of femtosecond pulses during high-order harmonic generation in laser-produced plasma. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1332.	0.9	29
18	Nanosecond laser-induced periodic surface structures on wide band-gap semiconductors. Applied Surface Science, 2013, 278, 325-329.	3.1	29

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19	Size-dependent off-resonant nonlinear optical properties of gold nanoparticles and demonstration of efficient optical limiting. <i>Optical Materials Express</i> , 2019, 9, 976.	1.6	29
20	Comparison of high-order harmonic generation in uracil and thymine ablation plumes. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12308.	1.3	27
21	Two-color high-harmonic generation in plasmas: efficiency dependence on the generating particle properties. <i>Optics Express</i> , 2016, 24, 13971.	1.7	26
22	High-order harmonic generation in plasmas from nanoparticle and mixed metal targets at 1-kHz repetition rate. <i>Applied Physics B: Lasers and Optics</i> , 2015, 120, 17-24.	1.1	25
23	Resonance enhancement of single even harmonic of laser radiation in tin-containing plasma using intensity variation of two-color pump. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 1055.	0.9	24
24	Tuning of the high-order harmonics generated from laser plasma plumes and solid surfaces by varying the laser spectrum, chirp, and focal position. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 1138.	0.9	23
25	Observation of single high-harmonic enhancement by quasi-resonance with a tellurium ion in a laser-ablation plume at 2944 nm. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 2686.	0.9	23
26	Effect of Size on the Saturable Absorption and Reverse Saturable Absorption in Silver Nanoparticle and Ultrafast Dynamics at 400 nm. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-12.	1.5	23
27	Maximizing the yield and cutoff of high-order harmonic generation from plasma plume. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 2770.	0.9	22
28	High-order harmonic generation from carbon plasma. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 1927.	0.9	21
29	Pulse Duration and Wavelength Effects of Laser Ablation on the Oxidation, Hydrolysis, and Aging of Aluminum Nanoparticles in Water. <i>Nanomaterials</i> , 2019, 9, 767.	1.9	21
30	Carbon aerogel plumes as an efficient medium for higher harmonic generation in the 40–90 nm range. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 360.	0.9	19
31	Resonant and non-resonant high-order harmonic generation in the plasmas produced by 1 kHz picosecond and femtosecond pulses. <i>European Physical Journal D</i> , 2014, 68, 1.	0.6	19
32	High-order harmonic generation using quasi-phase matching and two-color pump in the plasmas containing molecular and alloyed metal sulfide quantum dots. <i>Journal of Applied Physics</i> , 2019, 126, 193103.	1.1	19
33	High-order harmonic generation during different overlaps of two-colored pulses in laser-produced plasmas and gases. <i>European Physical Journal D</i> , 2020, 74, 1.	0.6	19
34	Optimum plasma conditions for the efficient high-order harmonic generation in platinum plasma. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 1319.	0.9	17
35	Extension of cutoff in high harmonic by using doubly charged ions in a laser-ablation plume. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 2847.	0.9	17
36	Application of mid-infrared pulses for quasi-phase-matching of high-order harmonics in silver plasma. <i>Optics Express</i> , 2016, 24, 3414.	1.7	17

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37	High-order harmonic generation of picosecond laser radiation in carbon-containing plasmas. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 3286.	0.9	15
38	Comparative analyses of optical limiting effects in metal nanoparticles and perovskite nanocrystals. Optical Materials, 2019, 92, 366-372.	1.7	15
39	Low- and high-order nonlinear optical studies of ZnO nanocrystals, nanoparticles, and nanorods. European Physical Journal D, 2019, 73, 1.	0.6	14
40	Third-order optical nonlinearities and high-order harmonics generation in Ni-doped CsPbBr <sub>3</sub> nanocrystals using single- and two-color chirped pulses. Journal of Materials Science, 2022, 57, 3468-3485.	1.7	14
41	High-order harmonic generation from plasma plume pumped by 400nm wavelength laser. Applied Physics Letters, 2007, 91, 131104.	1.5	13
42	High-order harmonic generation in Ag, Sn, fullerene, and graphene nanoparticle-contained plasmas using two-color mid-infrared pulses. European Physical Journal D, 2016, 70, 1.	0.6	13
43	Laser ablation-induced synthesis and nonlinear optical characterization of titanium and cobalt nanoparticles. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	13
44	Enhancement of the high-order harmonic generation from the gold plume using the time-resolved plasma spectroscopy. Journal of Applied Physics, 2007, 102, 073105.	1.1	11
45	Low- and high-order nonlinear optical properties of Ag <sub>2</sub> S quantum dot thin films. Nanophotonics, 2019, 8, 849-858.	2.9	11
46	Comparison studies of high-order harmonic generation in argon gas and different laser-produced plasmas. OSA Continuum, 2019, 2, 2381.	1.8	11
47	Enhancement of two-color high harmonic by using two compound strong ionic transitions in double-target scheme. Applied Physics Letters, 2007, 90, 261104.	1.5	10
48	Exfoliated Bi <sub>2</sub> Te <sub>3</sub> nanoparticle suspensions and films: morphological and nonlinear optical characterization. Nanophotonics, 2021, 10, 3857-3870.	2.9	10
49	High-Order Harmonic Generation in Au Nanoparticle-Contained Plasmas. Nanomaterials, 2020, 10, 234.	1.9	10
50	Structural variations during aging of the particles synthesized by laser ablation of copper in water. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	9
51	High-Order Harmonics Generation in Atomic and Molecular Zinc Plasmas. Photonics, 2021, 8, 29.	0.9	9
52	Influence of gadolinium doping on low- and high-order nonlinear optical properties and transient absorption dynamics of ZnO nanomaterials. Optical Materials, 2019, 95, 109241.	1.7	8
53	Application of 150 kHz Laser for High-Order Harmonic Generation in Different Plasmas. Photonics, 2020, 7, 66.	0.9	8
54	Investigation of Resonance-Enhanced High-Order Harmonics by Two-Component Laser-Produced Plasmas. Atoms, 2021, 9, 1.	0.7	8

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55	Distinction in resonance properties of the atomic and molecular contained plasmas used for high-order harmonics generation of ultrafast laser pulses. <i>Journal of Applied Physics</i> , 2021, 129, 043103.	1.1	8
56	Probing Laser Plasma Dynamics Using High-Order Harmonics Generation in Carbon-Containing Nanomaterials. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2143.	1.3	8
57	High-order harmonics generation in the plasmas produced on different rotating targets during ablation using 1 kHz and 100 kHz lasers. <i>Optics Express</i> , 2020, 28, 18859.	1.7	8
58	Nonlinear Absorption and Refraction of Picosecond and Femtosecond Pulses in HgTe Quantum Dot Films. <i>Nanomaterials</i> , 2021, 11, 3351.	1.9	8
59	Resonance-enhanced harmonics in mixed laser-produced plasmas. <i>Plasma Research Express</i> , 2019, 1, 035002.	0.4	7
60	Effects of Laser Plasma Formation on Quasi-Phase Matching of High-Order Harmonics from Nanoparticles and Atoms. <i>Nanomaterials</i> , 2019, 9, 572.	1.9	7
61	Resonance-affected high-order harmonic emission from atomic and molecular chromium laser-induced plasmas. <i>OSA Continuum</i> , 2021, 4, 1545.	1.8	7
62	Reexamining Different Factors of the Resonance-Enhanced High-Order Harmonic Generation in Atomic and Nanoparticle Laser-Induced Tin Plasmas. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 2193.	1.3	6
63	Role of carbon clusters in high-order harmonic generation in graphite plasmas. <i>OSA Continuum</i> , 2019, 2, 1510.	1.8	6
64	Frequency Conversion of Ultrashort Pulses in Extended Laser-Produced Plasmas. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2016, , .	0.1	5
65	High-order harmonics generation under quasi-phase matched conditions in silver, boron, and silver sulfide plasmas of different configurations. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	5
66	Formation, aging and self-assembly of regular nanostructures from laser ablation of indium and zinc in water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 584, 124016.	2.3	5
67	High-order harmonics generation in the laser-induced lead-free perovskites-containing plasmas. <i>Scientific Reports</i> , 2022, 12, .	1.6	5
68	Characteristics of high-order harmonic spectrum by using laser-ablated two targets combination. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 4480-4483.	0.9	4
69	Time-dependent optimization of laser-produced molecular plasmas through high-order harmonic generation. <i>Physics of Plasmas</i> , 2019, 26, 100703.	0.7	4
70	Carbon nanostructure containing plasma: Medium for efficient high-order harmonics of 1030 nm laser. <i>Physics of Plasmas</i> , 2021, 28, .	0.7	4
71	Synthesis and low-order optical nonlinearities of colloidal HgSe quantum dots in the visible and near infrared ranges. <i>Optics Express</i> , 2021, 29, 16710.	1.7	4
72	Analysis of laser plasma dynamics using the time resolved nonlinear optical response of ablated carbon nanocomposites mixed with epoxy resin. <i>Optics Express</i> , 2021, 29, 35877.	1.7	4

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73	Third-order nonlinear optical effects of silver nanoparticles and third harmonic generation from their plasma plumes. <i>Optik</i> , 2021, 245, 167680.	1.4	4
74	Application of laser-produced extended plasma plumes for generation and characterization of the high-order harmonics of 64 fs pulses. <i>European Physical Journal D</i> , 2014, 68, 1.	0.6	3
75	Influence of PVP polymer concentration on nonlinear absorption in silver nanoparticles at resonant excitation. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	3
76	New Approaches in Frequency Conversion of Laser Radiation in Plasma Plumes. <i>Optics and Photonics Journal</i> , 2013, 03, 259-277.	0.3	3
77	Investigation of Nonlinear Optical Processes in Mercury Sulfide Quantum Dots. <i>Nanomaterials</i> , 2022, 12, 1264.	1.9	3
78	High-order harmonic generation of picosecond radiation of moderate intensity in laser plasma. <i>Quantum Electronics</i> , 2012, 42, 899-906.	0.3	2
79	Effect of different hardness and melting point of the metallic surfaces on structural and optical properties of synthesized nanoparticles. <i>Materials Research Express</i> , 2019, 6, 045027.	0.8	2
80	Incoherent and coherent extreme ultraviolet emission from boron plasma. <i>European Physical Journal D</i> , 2020, 74, 1.	0.6	2
81	Third-order optical nonlinearities of exfoliated Bi <sub>2</sub> Te <sub>3</sub> nanoparticle films in UV, visible and near-infrared ranges measured by tunable femtosecond pulses. <i>Optics Express</i> , 2022, 30, 6970.	1.7	2
82	Surface Engineering and Ablation. , 2014, , 145-180.		1
83	High-order harmonic generation during propagation of the double-pulse beam through the drilled thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 1231-1236.	1.1	1
84	Low-Order Nonlinear Optical Characterization of Clusters. <i>Springer Series in Optical Sciences</i> , 2013, , 181-229.	0.5	0
85	High-Order Harmonic Generation from Laser Ablation of Various Surfaces. <i>Springer Series in Optical Sciences</i> , 2013, , 43-88.	0.5	0
86	Applications of Nanoparticle-Containing Plasmas for High-Order Harmonic Generation of Laser Radiation. <i>Springer Series in Optical Sciences</i> , 2013, , 231-244.	0.5	0
87	Introduction. Theory and Experiment of High-Order Harmonic Generation in Narrow and Extended Media. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2016, , 1-7.	0.1	0
88	HHG in Short-Length Plasmas. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2016, , 9-50.	0.1	0
89	HHG in Extended Plasmas. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2016, , 51-83.	0.1	0
90	Peculiarities of the HHG in the Extended Plasmas Produced on the Surfaces of Different Materials. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2016, , 119-159.	0.1	0

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91	New Opportunities of Extended Plasma Induced Harmonic Generation. Springer Series on Atomic, Optical, and Plasma Physics, 2016, , 161-188.	0.1	0
92	Summary: Achievements and Perspectives. Springer Series on Atomic, Optical, and Plasma Physics, 2016, , 209-217.	0.1	0
93	Frequency conversion in fullerenes. , 2018, , 213-265.		0
94	High-order harmonic generation in carbon-containing nanoparticles. , 2018, , 267-308.		0
95	Peculiarities of high-order harmonic generation in nanoparticles. , 2018, , 351-400.		0
96	Methods of nanostructured materials characterization. , 2018, , 79-116.		0
97	Periodic nanoripples formation on the semiconductors possessing different bandgaps. , 2018, , 1-38.		0
98	Aluminum nanoparticle plasma formation for high-order harmonic generation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 245601.	0.6	0
99	Ablation of Clusters from Surfaces for Harmonic Generation of Laser Radiation. , 2014, , 181-221.		0