

Rashid A Ganeev

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

104
papers

1,295
citations

21
h-index

32
g-index

106
ext. papers

1,505
ext. citations

2.4
avg, IF

4.69
L-index

#	Paper	IF	Citations
104	Third-order optical nonlinearities of exfoliated BiTe nanoparticle films in UV, visible and near-infrared ranges measured by tunable femtosecond pulses.. <i>Optics Express</i> , 2022 , 30, 6970-6980	3.3	0
103	Third-order optical nonlinearities and high-order harmonics generation in Ni-doped CsPbBr ₃ nanocrystals using single- and two-color chirped pulses. <i>Journal of Materials Science</i> , 2022 , 57, 3468-3485	4.3	2
102	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	2.6	1
101	Resonance-affected high-order harmonic emission from atomic and molecular chromium laser-induced plasmas. <i>OSA Continuum</i> , 2021 , 4, 1545	1.4	0
100	Synthesis and low-order optical nonlinearities of colloidal HgSe quantum dots in the visible and near infrared ranges. <i>Optics Express</i> , 2021 , 29, 16710-16726	3.3	1
99	High-Order Harmonics Generation in Atomic and Molecular Zinc Plasmas. <i>Photonics</i> , 2021 , 8, 29	2.2	3
98	Investigation of Resonance-Enhanced High-Order Harmonics by Two-Component Laser-Produced Plasmas. <i>Atoms</i> , 2021 , 9, 1	2.1	4
97	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	2.5	3
96	Carbon nanostructure containing plasma: Medium for efficient high-order harmonics of 1030 nm laser. <i>Physics of Plasmas</i> , 2021 , 28, 023111	2.1	2
95	Probing Laser Plasma Dynamics Using High-Order Harmonics Generation in Carbon-Containing Nanomaterials. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 2143	2.6	3
94	Exfoliated Bi ₂ Te ₃ nanoparticle suspensions and films: morphological and nonlinear optical characterization. <i>Nanophotonics</i> , 2021 ,	6.3	2
93	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, 35877-35890	3.3	0
92	Third-order nonlinear optical effects of silver nanoparticles and third harmonic generation from their plasma plumes. <i>Optik</i> , 2021 , 245, 167680	2.5	1
91	Nonlinear Absorption and Refraction of Picosecond and Femtosecond Pulses in HgTe Quantum Dot Films.. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
90	Incoherent and coherent extreme ultraviolet emission from boron plasma. <i>European Physical Journal D</i> , 2020 , 74, 1	1.3	1
89	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	2.6	2
88	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, 18859-18875	3.3	5

87	High-Order Harmonic Generation in Au Nanoparticle-Contained Plasmas. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
86	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	1.3	10
85	Application of 150 kHz Laser for High-Order Harmonic Generation in Different Plasmas. <i>Photonics</i> , 2020 , 7, 66	2.2	3
84	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	5.1	4
83	Structural variations during aging of the particles synthesized by laser ablation of copper in water. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	7
82	Pulse Duration and Wavelength Effects of Laser Ablation on the Oxidation, Hydrolysis, and Aging of Aluminum Nanoparticles in Water. <i>Nanomaterials</i> , 2019 , 9,	5.4	11
81	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	3.2	10
80	Comparative analyses of optical limiting effects in metal nanoparticles and perovskite nanocrystals. <i>Optical Materials</i> , 2019 , 92, 366-372	3.3	7
79	Effects of Laser Plasma Formation on Quasi-Phase Matching of High-Order Harmonics from Nanoparticles and Atoms. <i>Nanomaterials</i> , 2019 , 9,	5.4	7
78	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, 153101	2.5	4
77	Low- and high-order nonlinear optical properties of Ag ₂ S quantum dot thin films. <i>Nanophotonics</i> , 2019 , 8, 849-858	6.3	5
76	Nonlinear optical characterization of copper oxide nanoellipsoids. <i>Scientific Reports</i> , 2019 , 9, 11414	4.9	31
75	Resonance-enhanced harmonics in mixed laser-produced plasmas. <i>Plasma Research Express</i> , 2019 , 1, 035002	5.0	4
74	Influence of gadolinium doping on low- and high-order nonlinear optical properties and transient absorption dynamics of ZnO nanomaterials. <i>Optical Materials</i> , 2019 , 95, 109241	3.3	7
73	Aluminum nanoparticle plasma formation for high-order harmonic generation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019 , 52, 245601	1.3	
72	Time-dependent optimization of laser-produced molecular plasmas through high-order harmonic generation. <i>Physics of Plasmas</i> , 2019 , 26, 100703	2.1	4
71	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	2.5	11
70	Size-dependent off-resonant nonlinear optical properties of gold nanoparticles and demonstration of efficient optical limiting. <i>Optical Materials Express</i> , 2019 , 9, 976	2.6	13

69	Role of carbon clusters in high-order harmonic generation in graphite plasmas. <i>OSA Continuum</i> , 2019 , 2, 1510	1.4	5
68	Comparison studies of high-order harmonic generation in argon gas and different laser-produced plasmas. <i>OSA Continuum</i> , 2019 , 2, 2381	1.4	9
67	Nonlinear Optical Studies of Gold Nanoparticle Films. <i>Nanomaterials</i> , 2019 , 9,	5.4	19
66	Low- and high-order nonlinear optical studies of ZnO nanocrystals, nanoparticles, and nanorods. <i>European Physical Journal D</i> , 2019 , 73, 1	1.3	7
65	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	1.7	1
64	Strong nonlinear absorption in perovskite films. <i>Optical Materials Express</i> , 2018 , 8, 1472	2.6	24
63	Periodic nanoripples formation on the semiconductors possessing different bandgaps 2018 , 1-38		
62	Effective high-order harmonic generation from metal sulfide quantum dots. <i>Optics Express</i> , 2018 , 26, 35013-35025	3.3	22
61	Resonance Processes at Different Conditions of Harmonic Generation in Laser-Produced Plasmas 2018 , 241-279		
60	Comparison of Resonance Harmonics: Experiment and Theory 2018 , 47-137		
59	Resonance Enhancement of Harmonics in Metal-Ablated Plasmas: Early Studies 2018 , 139-211		
58	High-Order Harmonic Studies of the Role of Resonances on the Temporal and Efficiency Characteristics of Converted Coherent Pulses: Different Approaches 2018 , 1-15		
57	Different Theoretical Approaches in Plasma HHG Studies at Resonance Conditions 2018 , 17-45		
56	Laser ablation-induced synthesis and nonlinear optical characterization of titanium and cobalt nanoparticles. <i>Journal of Nanoparticle Research</i> , 2018 , 20, 1	2.3	10
55	Frequency conversion in fullerenes 2018 , 213-265		
54	High-order harmonic generation in carbon-containing nanoparticles 2018 , 267-308		
53	Peculiarities of high-order harmonic generation in nanoparticles 2018 , 351-400		
52	Comparison of the Resonance-, Nanoparticle-, and Quasi-Phase-Matching-Induced Processes Leading to the Growth of High-Order Harmonic Yield 2018 , 281-338		

51	Resonance Processes in Ablated Semiconductors 2018 , 213-240		
50	Methods of nanostructured materials characterization 2018 , 79-116		
49	Application of mid-infrared pulses for quasi-phase-matching of high-order harmonics in silver plasma. <i>Optics Express</i> , 2016 , 24, 3414-23	3.3	16
48	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	0.4	
47	HHG in Short-Length Plasmas. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2016 , 9-50	0.4	
46	HHG in Extended Plasmas. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2016 , 51-83	0.4	
45	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	0.4	
44	New Opportunities of Extended Plasma Induced Harmonic Generation. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2016 , 161-188	0.4	
43	Summary: Achievements and Perspectives. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2016 , 209-217	0.4	
42	Frequency Conversion of Ultrashort Pulses in Extended Laser-Produced Plasmas. <i>Springer Series on Atomic, Optical, and Plasma Physics</i> , 2016 ,	0.4	4
41	High-order harmonic generation in Ag, Sn, fullerene, and graphene nanoparticle-contained plasmas using two-color mid-infrared pulses. <i>European Physical Journal D</i> , 2016 , 70, 1	1.3	13
40	Two-color high-harmonic generation in plasmas: efficiency dependence on the generating particle properties. <i>Optics Express</i> , 2016 , 24, 13971-83	3.3	19
39	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	1.9	23
38	Influence of ablated and tunneled electrons on quasi-phase-matched high-order-harmonic generation in laser-produced plasma. <i>Physical Review A</i> , 2015 , 91,	2.6	41
37	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	2.6	1
36	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	1.3	3
35	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	1.3	19
34	Harmonic generation from partially ionized plasma [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 2221	1.7	31

33	Surface Engineering and Ablation 2014 , 145-180		0
32	Ablation of Clusters from Surfaces for Harmonic Generation of Laser Radiation 2014 , 181-221		
31	Nanosecond laser-induced periodic surface structures on wide band-gap semiconductors. <i>Applied Surface Science</i> , 2013 , 278, 325-329	6.7	20
30	Comparison of high-order harmonic generation in uracil and thymine ablation plumes. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 12308-13	3.6	23
29	Low-Order Nonlinear Optical Characterization of Clusters. <i>Springer Series in Optical Sciences</i> , 2013 , 181-229		
28	High-Order Harmonic Generation from Laser Ablation of Various Surfaces. <i>Springer Series in Optical Sciences</i> , 2013 , 43-88	0.5	
27	High-order harmonic cut-off frequency in atomic silver irradiated by femtosecond laser pulses: theory and experiment. <i>European Physical Journal D</i> , 2013 , 67, 1	1.3	30
26	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	
25	High-order harmonic generation in fullerenes using few- and multi-cycle pulses of different wavelengths. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 7	1.7	40
24	New Approaches in Frequency Conversion of Laser Radiation in Plasma Plumes. <i>Optics and Photonics Journal</i> , 2013 , 03, 259-277	0.3	3
23	High-order harmonic generation of picosecond radiation of moderate intensity in laser plasma. <i>Quantum Electronics</i> , 2012 , 42, 899-906	1.8	2
22	Stable generation of high-order harmonics of femtosecond laser radiation from laser produced plasma plumes at 1 kHz pulse repetition rate. <i>Optics Letters</i> , 2012 , 37, 2064-6	3	55
21	High-order harmonic generation of picosecond laser radiation in carbon-containing plasmas. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 3286	1.7	14
20	Carbon aerogel plumes as an efficient medium for higher harmonic generation in the 4090 nm range. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 360	1.7	18
19	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	1.7	24
18	Synthesis and photoluminescence properties of silver nanowires. <i>Current Applied Physics</i> , 2010 , 10, 853-857		26
17	Generation of high-order harmonics of high-power lasers in plasmas produced under irradiation of solid target surfaces by a prepulse. <i>Physics-Uspexhi</i> , 2009 , 52, 55-77	2.8	51
16	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	2.3	3

15	Enhancement of the high-order harmonic generation from the gold plume using the time-resolved plasma spectroscopy. <i>Journal of Applied Physics</i> , 2007 , 102, 073105	2.5	10
14	Enhancement of two-color high harmonic by using two compound strong ionic transitions in double-target scheme. <i>Applied Physics Letters</i> , 2007 , 90, 261104	3.4	7
13	High-order harmonic generation from plasma plume pumped by 400nm wavelength laser. <i>Applied Physics Letters</i> , 2007 , 91, 131104	3.4	10
12	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. <i>Optics Letters</i> , 2007 , 32, 65-7	3	76
11	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	1.7	21
10	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	1.7	14
9	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	1.7	21
8	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	1.7	18
7	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	1.7	14
6	Intense exact resonance enhancement of single-high-harmonic from an antimony ion by using Ti:Sapphire laser at 37 nm. <i>Optics Express</i> , 2007 , 15, 1161-6	3.3	64
5	Seventy-first harmonic generation from doubly charged ions in preformed laser-ablation vanadium plume at 110 eV. <i>Optics Express</i> , 2007 , 15, 4112-7	3.3	29
4	Strong resonance enhancement of a single harmonic generated in the extreme ultraviolet range. <i>Optics Letters</i> , 2006 , 31, 1699-701	3	153
3	Analysis of nonlinear self-interaction of femtosecond pulses during high-order harmonic generation in laser-produced plasma. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 1332	1.7	28
2	Single-harmonic enhancement by controlling the chirp of the driving laser pulse during high-order harmonic generation from GaAs plasma. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006 , 23, 2535	1.7	60
1	High-order harmonic generation from carbon plasma. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005 , 22, 1927	1.7	18