

# Rashid Ganeev

## List of Publications by Year in descending order

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447  
papers

8,985  
citations

36303

51  
h-index

82547

72  
g-index

472  
all docs

472  
docs citations

472  
times ranked

3660  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear susceptibilities, absorption coefficients and refractive indices of colloidal metals. Journal Physics D: Applied Physics, 2001, 34, 1602-1611.	2.8	213
2	Strong resonance enhancement of a single harmonic generated in the extreme ultraviolet range. Optics Letters, 2006, 31, 1699.	3.3	186
3	Characterization of optical and nonlinear optical properties of silver nanoparticles prepared by laser ablation in various liquids. Optics Communications, 2004, 240, 437-448.	2.1	162
4	Nonlinear refraction in CS <sub>2</sub> . Applied Physics B: Lasers and Optics, 2004, 78, 433-438.	2.2	150
5	High-order harmonic generation from silver plasma. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 339, 103-109.	2.1	142
6	High-order harmonic generation in a laser plasma: a review of recent achievements. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, R213-R253.	1.5	138
7	Characterization of nonlinear optical parameters of KDP, LiNbO <sub>3</sub> and BBO crystals. Optics Communications, 2004, 229, 403-412.	2.1	129
8	Harmonic generation from indium-rich plasmas. Physical Review A, 2006, 74, .	2.5	114
9	Higher-Order Harmonic Generation from Fullerene by Means of the Plasma Harmonic Method. Physical Review Letters, 2009, 102, 013903.	7.8	113
10	Low- and high-order nonlinear optical properties of Au, Pt, Pd, and Ru nanoparticles. Journal of Applied Physics, 2008, 103, .	2.5	104
11	Anomalous enhancement of a single high-order harmonic by using a laser-ablation tin plume at 47 nm. Optics Letters, 2006, 31, 3306.	3.3	103
12	High-order harmonic generation from boron plasma in the extreme-ultraviolet range. Optics Letters, 2005, 30, 768.	3.3	102
13	Influence of the main pulse and prepulse intensity on high-order harmonic generation in silver plasma ablation. Physical Review A, 2007, 75, .	2.5	88
14	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.	3.3	86
15	Enhancement of high-order harmonic generation using a two-color pump in plasma plumes. Physical Review A, 2009, 80, .	2.5	84
16	Saturated absorption and nonlinear refraction of silicate glasses doped with silver nanoparticles at 532 nm. Optical and Quantum Electronics, 2004, 36, 949-960.	3.3	81
17	Demonstration of the 101st harmonic generated from a laser-produced manganese plasma. Physical Review A, 2007, 76, .	2.5	79
18	Quasi-phase-matching of high-order harmonics in multiple plasma jets. Physical Review A, 2014, 89, .	2.5	79

#	ARTICLE	IF	CITATIONS
19	Low- and high-order nonlinear optical properties of BaTiO <sub>3</sub> and SrTiO <sub>3</sub> nanoparticles. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 325.	2.1	74
20	Investigation of nonlinear refraction and nonlinear absorption of semiconductor nanoparticle solutions prepared by laser ablation. Journal of Optics, 2003, 5, 409-417.	1.5	73
21	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.	3.4	73
22	High-order harmonic generation in Ag nanoparticle-containing plasma. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 045603.	1.5	73
23	Systematic investigation of resonance-induced single-harmonic enhancement in the extreme-ultraviolet range. Physical Review A, 2007, 75, .	2.5	72
24	Optimization of the high-order harmonics generated from silver plasma. Applied Physics B: Lasers and Optics, 2007, 87, 243-247.	2.2	71
25	Experimental and theoretical studies of two-color-pump resonance-induced enhancement of odd and even harmonics from a tin plasma. Physical Review A, 2012, 85, .	2.5	70
26	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.	2.1	68
27	Optical harmonics generation in low-temperature laser-produced plasmas. Optics Communications, 1997, 135, 251-256.	2.1	65
28	Nonlinear refraction and nonlinear absorption of various media. Journal of Optics, 2005, 7, 717-733.	1.5	65
29	Pulsed laser deposition of metal films and nanoparticles in vacuum using subnanosecond laser pulses. Applied Optics, 2007, 46, 1205.	2.1	65
30	Simulation of resonant high-order harmonic generation in a three-dimensional fullerene-like system by means of a multiconfigurational time-dependent Hartree-Fock approach. Physical Review A, 2010, 81, .	2.5	65
31	Stable generation of high-order harmonics of femtosecond laser radiation from laser produced plasma plumes at 1 ÅHz pulse repetition rate. Optics Letters, 2012, 37, 2064.	3.3	65
32	Nonlinear optical characteristics of nanoparticles in suspensions and solid matrices. Applied Physics B: Lasers and Optics, 2006, 84, 295-302.	2.2	64
33	Enhanced high-order-harmonic generation in a carbon ablation plume. Physical Review A, 2012, 85, .	2.5	64
34	Generation of high-order harmonics of high-power lasers in plasmas produced under irradiation of solid target surfaces by a prepulse. Physics-Uspexhi, 2009, 52, 55-77.	2.2	63
35	High-order harmonic generation in carbon-nanotube-containing plasma plumes. Physical Review A, 2011, 83, .	2.5	63
36	Fifth-order optical nonlinearity of pseudoisocyanine solution at 529 nm. Journal of Optics, 2004, 6, 282-287.	1.5	61

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37	Laser ablation of GaAs in liquids: structural, optical, and nonlinear optical characteristics of colloidal solutions. Applied Physics B: Lasers and Optics, 2005, 80, 595-601.	2.2	61
38	Two- and three-photon absorption in CS <sub>2</sub> . Optics Communications, 2004, 231, 431-436.	2.1	60
39	High-order harmonic generation from laser plasma produced by pulses of different duration. Physical Review A, 2007, 76, .	2.5	60
40	High-order harmonic generation in graphite plasma plumes using ultrashort laser pulses: a systematic analysis of harmonic radiation and plasma conditions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 165402.	1.5	60
41	Application of RZ-scan technique for investigation of nonlinear refraction of sapphire doped with Ag, Cu, and Au nanoparticles. Optics Communications, 2005, 253, 205-213.	2.1	58
42	Generation of strong coherent extreme ultraviolet radiation from the laser plasma produced on the surface of solid targets. Applied Physics B: Lasers and Optics, 2005, 81, 1081-1089.	2.2	58
43	Saturated absorption and reverse saturated absorption of Cu:SiO <sub>2</sub> at $\lambda = 532$ nm. Physica Status Solidi (B): Basic Research, 2004, 241, R1-R4.	1.5	57
44	Optical properties and luminescence of metallic nanoclusters in ZnO:Cu. Physica B: Condensed Matter, 2005, 363, 88-95.	2.7	57
45	Harmonic generation from chromium plasma. Applied Physics Letters, 2005, 86, 131116.	3.3	57
46	High-order harmonic generation from $C_{60}$ plasma. Physical Review A, 2009, 80, .	2.5	57
47	Nonlinear optical characterization of copper oxide nanoellipsoids. Scientific Reports, 2019, 9, 11414.	3.3	57
48	Nonlinear optical characteristics of C <sub>60</sub> and C <sub>70</sub> films and solutions. Optics Communications, 2000, 185, 473-478.	2.1	56
49	Ultrafast fiber laser-induced fabrication of superhydrophobic and self-cleaning metal surfaces. Applied Surface Science, 2021, 542, 148560.	6.1	56
50	Characterization of nonlinear optical parameters of copper- and silver-doped silica glasses at $\lambda = 1064$ nm. Physica Status Solidi (B): Basic Research, 2004, 241, 935-944.	1.5	55
51	Isolated sub-fs XUV pulse generation in Mn plasma ablation. Optics Express, 2012, 20, 25239.	3.4	54
52	Highly Directive 18.9Ånm Nickel-like Molybdenum X-Ray Laser Operating at 150ÅmJ Pump Energy. Physical Review Letters, 2002, 89, 253902.	7.8	53
53	Generation of broadband noise-like pulse from Yb-doped fiber laser ring cavity. Optics Letters, 2015, 40, 804.	3.3	52
54	Study of high-order harmonic generation from nanoparticles. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 025603.	1.5	51

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55	Nano-ripple formation on different band-gap semiconductor surfaces using femtosecond pulses. Journal of Applied Physics, 2011, 109, .	2.5	51
56	Nonlinear optical susceptibilities of copper- and silver-doped silicate glasses in the ultraviolet range. Physica Status Solidi (B): Basic Research, 2003, 238, R5-R7.	1.5	48
57	Influence of ablated and tunneled electrons on quasi-phase-matched high-order-harmonic generation in laser-produced plasma. Physical Review A, 2015, 91, .	2.5	47
58	Enhancement of high harmonics from plasmas using two-color pump and chirp variation of 1 kHz Ti:sapphire laser pulses. Optics Express, 2012, 20, 90.	3.4	46
59	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.	2.1	46
60	Characterization of nonlinear optical parameters of polymethine dyes. Applied Physics B: Lasers and Optics, 2003, 76, 683-686.	2.2	45
61	Nonlinear optical properties of CdS and ZnS nanoparticles doped into zirconium oxide films. Journal of Optics, 2004, 6, 447-453.	1.5	44
62	Third-harmonic generation in air by use of femtosecond radiation in tight-focusing conditions. Applied Optics, 2006, 45, 748.	2.1	43
63	Comparative studies of resonance enhancement of harmonic radiation in indium plasma using multicycle and few-cycle pulses. Physical Review A, 2013, 88, .	2.5	43
64	Nonlinear optical absorption of ZnO doped with copper nanoparticles in the picosecond and nanosecond pulse laser field. Applied Optics, 2005, 44, 2839.	2.1	42
65	Charge Transfer Effects on Resonance-Enhanced Raman Scattering for Molecules Adsorbed on Single-Crystalline Perovskite. ACS Photonics, 2018, 5, 1619-1627.	6.6	41
66	Recent Advances in Femtosecond Laser-Induced Surface Structuring for Oil-Water Separation. Applied Sciences (Switzerland), 2019, 9, 1554.	2.5	41
67	Application of the nonlinear optical properties of platinum nanoparticles for the mode locking of Nd:glass laser. Applied Physics B: Lasers and Optics, 2009, 94, 647-651.	2.2	39
68	High-order harmonic generation in a plasma plume of <i>in situ</i> laser-produced silver nanoparticles. Physical Review A, 2010, 82, .	2.5	39
69	Long- and short-period nanostructure formation on semiconductor surfaces at different ambient conditions. Journal of the Optical Society of America B: Optical Physics, 2010, 27, 1077.	2.1	39
70	Strong nonlinear absorption in perovskite films. Optical Materials Express, 2018, 8, 1472.	3.0	39
71	Variable pattern of high-order harmonic spectra from a laser-produced plasma by using the chirped pulses of narrow-bandwidth radiation. Physical Review A, 2007, 76, .	2.5	38
72	Growth and study of nonlinear refraction and absorption in Mg doped single crystals. Journal of Crystal Growth, 2009, 311, 2597-2601.	1.5	38

#	ARTICLE	IF	CITATIONS
73	Nonlinear optical absorption and refraction in Ru, Pd, and Au nanoparticle suspensions. Applied Physics B: Lasers and Optics, 2010, 100, 571-576.	2.2	38
74	Optical and nonlinear optical characteristics of the Ge and GaAs nanoparticle suspensions prepared by laser ablation. Optics Communications, 2007, 272, 242-246.	2.1	37
75	Harmonic generation in laser-produced plasmas containing atoms, ions and clusters: a review. Journal of Modern Optics, 2012, 59, 409-439.	1.3	36
76	Harmonic generation from partially ionized plasma [Invited]. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 2221.	2.1	36
77	Non-linear optical properties of metal nanoparticles implanted in silicate glass. Nuclear Instruments & Methods in Physics Research B, 2003, 206, 624-628.	1.4	35
78	Ablation of nanoparticles and efficient harmonic generation using a 1-kHz laser. Physical Review A, 2013, 88, .	2.5	35
79	Nonlinear Optical Properties of Materials. Springer Series in Optical Sciences, 2013, , .	0.7	35
80	High-order harmonic cut-off frequency in atomic silver irradiated by femtosecond laser pulses: theory and experiment. European Physical Journal D, 2013, 67, 1.	1.3	35
81	Low-power laser hardening of steels. Journal of Materials Processing Technology, 2002, 121, 414-419.	6.3	34
82	Variations of nonlinear optical characteristics of C60 thin films at 532 nm. Optics Communications, 2003, 225, 131-139.	2.1	34
83	Low-order harmonic generation in metal ablation plasmas in nanosecond and picosecond laser regimes. Journal of Applied Physics, 2012, 111, 043111.	2.5	34
84	Structural, optical, and nonlinear optical properties of indium nanoparticles prepared by laser ablation. Applied Physics B: Lasers and Optics, 2007, 86, 337-341.	2.2	33
85	Seventy-first harmonic generation from doubly charged ions in preformed laser-ablation vanadium plume at 110 eV. Optics Express, 2007, 15, 4112.	3.4	32
86	Systematic studies of two-color pump-induced high-order harmonic generation in plasma plumes. Physical Review A, 2010, 82, .	2.5	31
87	Nonlinear Optical Studies of Gold Nanoparticle Films. Nanomaterials, 2019, 9, 291.	4.1	31
88	Nonlinear-optical parameters of various media. Quantum Electronics, 2007, 37, 605-622.	1.0	30
89	Synthesis and photoluminescence properties of silver nanowires. Current Applied Physics, 2010, 10, 853-857.	2.4	30
90	Effective high-order harmonic generation from metal sulfide quantum dots. Optics Express, 2018, 26, 35013.	3.4	30

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91	Optical limiting in fullerenes, colloidal metal solutions, and semiconductors in the field of pico-and nanosecond pulses of an Nd:YAG laser. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784614 rgBT /Overlock	1.4	29
92	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.	2.1	29
93	Generation of harmonics of laser radiation in plasmas. Laser Physics Letters, 2012, 9, 175-194.	1.4	29
94	Nanosecond laser-induced periodic surface structures on wide band-gap semiconductors. Applied Surface Science, 2013, 278, 325-329.	6.1	29
95	Size-dependent off-resonant nonlinear optical properties of gold nanoparticles and demonstration of efficient optical limiting. Optical Materials Express, 2019, 9, 976.	3.0	29
96	Optical limiting in cobalt-doped polyvinylpyrrolidone. Applied Physics B: Lasers and Optics, 2002, 74, 47-51.	2.2	27
97	Influence of C60 morphology on high-order harmonic generation enhancement in fullerene-containing plasma. Journal of Applied Physics, 2009, 106, .	2.5	27
98	Comparison of high-order harmonic generation in uracil and thymine ablation plumes. Physical Chemistry Chemical Physics, 2013, 15, 12308.	2.8	27
99	Low- and high-order harmonic generation in the extended plasmas produced by laser ablation of zinc and manganese targets. Journal of Applied Physics, 2014, 116, .	2.5	27
100	Two-photon absorption and nonlinear refraction of amorphous chalcogenide films. Journal of Optics, 2002, 4, 446-451.	1.5	26
101	Nonlinear refraction and nonlinear absorption of As2S3 aqueous solution. Optical and Quantum Electronics, 2003, 35, 211-219.	3.3	26
102	Components of the third-order nonlinear susceptibility tensors in KDP, DKDP and LiNbO3 nonlinear optical crystals. Quantum Electronics, 2004, 34, 657-662.	1.0	26
103	Optimization of harmonic generation from boron plasma. Journal of Applied Physics, 2006, 99, 103303.	2.5	26
104	Comparison of high-order harmonic generation from various cluster- and ion-containing laser plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 055402.	1.5	26
105	High-order harmonic generation in laser surface ablation: current trends. Physics-Uspexhi, 2013, 56, 772-800.	2.2	26
106	Advanced properties of extended plasmas for efficient high-order harmonic generation. Physics of Plasmas, 2014, 21, 053503.	1.9	26
107	Quasi-phase-matching-induced enhancement of high-order harmonics during two-colour pump of multi-jet plasmas. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 105401.	1.5	26
108	Two-color high-harmonic generation in plasmas: efficiency dependence on the generating particle properties. Optics Express, 2016, 24, 13971.	3.4	26

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109	Influence of laser ablation parameters on optical and nonlinear optical characteristics of semiconductor solutions. <i>Optics Communications</i> , 2005, 246, 163-171.	2.1	25
110	Analysis of third-order nonlinear susceptibilities of quadratic nonlinear optical crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 75.	2.1	25
111	Nonlinear optical characteristics of carbon disulfide. <i>Optics and Spectroscopy (English Translation)</i> Tj ETQq1 1 0.784314 rgBT /Overlo 0.6	2.5	25
112	Low-order harmonic generation in nanosecond laser ablation plasmas of carbon containing materials. <i>Applied Surface Science</i> , 2013, 278, 33-37.	6.1	25
113	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.	2.2	25
114	Optical limiting, nonlinear refraction and nonlinear absorption of the associates of Cd <sub>05</sub> Zn <sub>05</sub> S quantum dots and dyes. <i>Optics Express</i> , 2018, 26, 13865.	3.4	25
115	Nonlinear Optical Characteristics of BSO and BGO Photorefractive Crystals in Visible and Infrared Ranges. <i>Optical and Quantum Electronics</i> , 2004, 36, 807-818.	3.3	24
116	High-order harmonic generation in nanoparticle-containing laser-produced plasmas. <i>Laser Physics</i> , 2008, 18, 1009-1015.	1.2	24
117	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.	2.1	24
118	Enhanced harmonic generation using different second-harmonic sources for the two-color pump of extended laser-produced plasmas. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 911.	2.1	24
119	Experimental study of harmonic generation from solid surfaces irradiated by multipicosecond laser pulses. <i>Physical Review E</i> , 2001, 63, 026402.	2.1	23
120	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.	2.1	23
121	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.	2.1	23
122	Intense multimicrojoule high-order harmonics generated from neutral atoms of In <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Applied Physics Letters</i> , 2009, 94, 111108.	3.3	23
123	Indium plasma in single- and two-color mid-infrared fields: Enhancement of tunable harmonics. <i>Physical Review A</i> , 2016, 93, .	2.5	23
124	Strong third-order optical nonlinearities of Ag nanoparticles synthesized by laser ablation of bulk silver in water and air. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	23
125	Effect of Size on the Saturable Absorption and Reverse Saturable Absorption in Silver Nanoparticle and Ultrafast Dynamics at 400â€œnm. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-12.	2.7	23
126	Optical harmonic generation in media with positive dispersion. <i>Applied Physics B, Photophysics and Laser Chemistry</i> , 1986, 41, 69-71.	1.5	22



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127	Frequency conversion of picosecond radiation in fullerene-doped polyimide films and colloidal metals. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2001, 3, 88-92.	1.4	22
128	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.	2.1	22
129	Comparative analysis of the high-order harmonic generation in the laser ablation plasmas prepared on the surfaces of complex and atomic targets. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 1127.	2.1	22
130	Variation of harmonic spectra in laser-produced plasmas at variable phase of femtosecond laser pulses of different bandwidth. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009, 26, 2143.	2.1	22
131	Enhanced harmonic generation in C60-containing plasma plumes. <i>Applied Physics B: Lasers and Optics</i> , 2010, 100, 581-585.	2.2	22
132	Spatial coherence measurements of non-resonant and resonant high harmonics generated in laser ablation plumes. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	22
133	Nonlinear optical properties of gold nanoparticles synthesized by ion implantation in sapphire matrix. <i>Technical Physics Letters</i> , 2005, 31, 702-705.	0.7	21
134	High-order harmonic generation from carbon plasma. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 1927.	2.1	21
135	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.	4.1	21
136	Ag2S quantum dots in the fields of picosecond and femtosecond UV and IR pulses: optical limiting, nonlinear absorption and refraction properties. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	2.2	21
137	Extended high-order harmonics from laser-produced Cd and Cr plasmas. <i>Applied Physics Letters</i> , 2009, 94, 051101.	3.3	20
138	Use of carbon-containing materials for efficient high-order harmonic generation of laser radiation. <i>Optics Communications</i> , 2012, 285, 2934-2941.	2.1	20
139	High-order harmonic generation during propagation of femtosecond pulses through the laser-produced plasmas of semiconductors. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	20
140	Quasi-phase-matching of high-order harmonics in plasma plumes: theory and experiment. <i>Optics Express</i> , 2017, 25, 21068.	3.4	20
141	Demonstration of variation of the nonlinear optical absorption of non-spherical silver nanoparticles. <i>Optik</i> , 2018, 175, 93-98.	2.9	20
142	The nonlinear refractive indices and nonlinear third-order susceptibilities of quadratic crystals. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2003, 94, 561-568.	0.6	19
143	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.	2.1	19
144	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

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145	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	19
146	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	19
147	Expedited Transition in the Wettability Response of Metal Meshes Structured by Femtosecond Laser Pulses for Oil-Water Separation. <i>Frontiers in Chemistry</i> , 2020, 8, 768.	3.6	19
148	Resonance-Induced Enhancement of the High-Order Harmonic Generation in Plasma. <i>The Open Spectroscopy Journal</i> , 2009, 3, 1-8.	1.0	19
149	Theoretical investigation of resonant nonperturbative high-order harmonic generation in indium vapors. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 165.	2.1	18
150	Laser - Surface Interactions. , 2014, , .		18
151	Harmonic generation in organic dye vapors. <i>Optics Communications</i> , 2000, 184, 305-308.	2.1	17
152	Nonlinear properties of composites based on dielectric layers containing copper and silver nanoparticles. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2003, 95, 967-975.	0.6	17
153	Harmonic generation in Mo plasma. <i>Optics Communications</i> , 2005, 249, 569-577.	2.1	17
154	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.	2.1	17
155	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.	2.1	17
156	Endohedral fullerenes: A way to control resonant high-order harmonic generation. <i>Physical Review A</i> , 2011, 84, .	2.5	17
157	Low- and high-order nonlinear optical characterization of C60-containing media. <i>European Physical Journal D</i> , 2011, 64, 109-114.	1.3	17
158	Application of mid-infrared pulses for quasi-phase-matching of high-order harmonics in silver plasma. <i>Optics Express</i> , 2016, 24, 3414.	3.4	17
159	Resonance enhancement of harmonics in metal plasmas using tunable mid-infrared pulses. <i>Laser Physics</i> , 2016, 26, 075401.	1.2	17
160	Development and applications of a compact hybrid tabletop terawatt chirped-pulse amplification Ti:sapphire-Nd:glass laser for x-ray lasing and harmonic generation. <i>Applied Optics</i> , 2004, 43, 1396.	2.1	16
161	Single-shot reflection Z-scan for measurements of the nonlinear refraction of nontransparent materials. <i>Applied Physics B: Lasers and Optics</i> , 2008, 91, 273-277.	2.2	16
162	Application of nanoparticle-containing laser plasmas for optical harmonic generation. <i>Journal of Applied Physics</i> , 2009, 106, 023104.	2.5	16

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163	Fullerenes: The attractive medium for harmonic generation. <i>Laser Physics</i> , 2011, 21, 25-43.	1.2	16
164	Structural, optical, and nonlinear optical absorption/refraction studies of the manganese nanoparticles prepared by laser ablation in ethanol. <i>Optical Materials</i> , 2011, 33, 419-423.	3.6	16
165	Quantum path signatures in harmonic spectra from metal plasma. <i>Physical Review A</i> , 2011, 83, .	2.5	16
166	Resonance-enhanced harmonic generation in nanoparticle-containing plasmas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 165401.	1.5	16
167	Peculiarities of the nonlinear optical absorption of Methylene blue and Thionine in different solvents. <i>Dyes and Pigments</i> , 2018, 149, 236-241.	3.7	16
168	Extremely broadened high-order harmonics generated by the femtosecond pulses propagating through the filaments in air. <i>Applied Physics Letters</i> , 2009, 95, 201117.	3.3	15
169	Nanoparticle formation during laser ablation of metals at different pressures of surrounding noble gases. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 119-123.	2.3	15
170	Evidence of strong contribution from neutral atoms in intense harmonic generation from nanoparticles. <i>Laser and Particle Beams</i> , 2010, 28, 69-74.	1.0	15
171	Fourth-order harmonic generation during parametric four-wave mixing in the filaments in ambient air. <i>Physical Review A</i> , 2010, 82, .	2.5	15
172	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.	2.1	15
173	Quasi-phase-matching of laser harmonics using variable multi-jet plasmas. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2014, 23, 1450013.	1.8	15
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