

Timur Esirkepov

List of Publications by Year in descending order

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232
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232
docs citations

232
times ranked

2678
citing authors

#	ARTICLE	IF	CITATIONS
1	Superluminal-subluminal orbital angular momentum femtosecond laser focus. Optics Express, 2021, 29, 31665.	3.4	5
2	Relativistic flying laser focus by a laser-produced parabolic plasma mirror. Physical Review A, 2021, 104, .	2.5	4
3	Petawatt Femtosecond Laser Pulses from Titanium-Doped Sapphire Crystal. Crystals, 2020, 10, 783.	2.2	11
4	Polarity reversal of wakefields driven by ultrashort pulse laser. Physical Review E, 2020, 102, 053216.	2.1	1
5	Relativistic flying forcibly oscillating reflective diffraction grating. Physical Review E, 2020, 102, 053202.	2.1	3
6	Optical probing of relativistic plasma singularities. Physics of Plasmas, 2020, 27, .	1.9	8
7	Status and progress of the J-KAREN-P high intensity laser system at QST. High Energy Density Physics, 2020, 36, 100771.	1.5	9
8	Recoil effects on reflection from relativistic mirrors in laser plasmas. Physics of Plasmas, 2020, 27, 032109.	1.9	10
9	Relativistic Flying Mirrors as a Compact Source of Coherent Short-Wavelength Radiation. , 2020, , .		0
10	Laser-Particle Collider for Multi-GeV Photon Production. Physical Review Letters, 2019, 122, 254801.	7.8	35
11	Multiple colliding laser pulses as a basis for studying high-field high-energy physics. Physical Review A, 2019, 100, .	2.5	15
12	High-Order Harmonics from Laser Irradiated Electron Density Singularity Formed at the Bow Wave in the Laser Plasma. Physics of Wave Phenomena, 2019, 27, 247-256.	1.1	5
13	Wakefield excited by ultrashort laser pulses in near-critical density plasmas. , 2019, , .		1
14	High-Order Harmonic Generation by Relativistic Plasma Singularities: The Driving Laser Requirements. Springer Proceedings in Physics, 2018, , 85-92.	0.2	1
15	Research on Laser Acceleration and Coherent X-Ray Generation Using J-KAREN-P Laser. Springer Proceedings in Physics, 2018, , 135-142.	0.2	0
16	Relativistically upshifted higher harmonic generation via relativistic flying mirrors. Plasma Physics and Controlled Fusion, 2018, 60, 074007.	2.1	12
17	On annihilation of the relativistic electron vortex pair in collisionless plasmas. Journal of Plasma Physics, 2018, 84, .	2.1	5
18	High-contrast high-intensity repetitive petawatt laser. Optics Letters, 2018, 43, 2595.	3.3	104

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19	Laser Requirements for High-Order Harmonic Generation by Relativistic Plasma Singularities. Quantum Beam Science, 2018, 2, 7.	1.2	6
20	Coherent, Short-Pulse X-ray Generation via Relativistic Flying Mirrors. Quantum Beam Science, 2018, 2, 9.	1.2	17
21	High-efficiency γ -ray flash generation via multiple-laser scattering in ponderomotive potential well. Physical Review E, 2017, 95, 013210.	2.1	32
22	Evolution of relativistic electron vortices in laser plasmas. Proceedings of SPIE, 2017, , .	0.8	1
23	Charged particle dynamics in multiple colliding electromagnetic waves. Survey of random walk, Lévy flights, limit circles, attractors and structurally determinate patterns. Journal of Plasma Physics, 2017, 83, .	2.1	20
24	Strong field electrodynamics of a thin foil. AIP Conference Proceedings, 2017, , .	0.4	0
25	Paradoxical stabilization of forced oscillations by strong nonlinear friction. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2559-2564.	2.1	12
26	Burst intensification by singularity emitting radiation in multi-stream flows. Scientific Reports, 2017, 7, 17968.	3.3	28
27	1022W/cm ² , 0.1 Hz J-KAREN-P laser facility at QST. , 2017, , .		1
28	Multiparametric PIC simulations of electron vortices in relativistic laser plasmas. , 2017, , .		0
29	Radiation pressure acceleration: The factors limiting maximum attainable ion energy. Physics of Plasmas, 2016, 23, .	1.9	48
30	Relativistically strong electromagnetic radiation in a plasma. Journal of Experimental and Theoretical Physics, 2016, 122, 426-433.	0.9	3
31	Towards a novel laser-driven method of exotic nuclei extraction acceleration for fundamental physics and technology. Plasma Physics Reports, 2016, 42, 327-337.	0.9	14
32	On some theoretical problems of laser wake-field accelerators. Journal of Plasma Physics, 2016, 82, .	2.1	35
33	Fast magnetic-field annihilation in the relativistic collisionless regime driven by two ultrashort high-intensity laser pulses. Physical Review E, 2016, 93, 013203.	2.1	21
34	Electron dynamics and γ -ray flash generation by colliding laser pulses. Physical Review E, 2016, 93, 023207.	2.1	74
35	Relativistic mirrors in laser plasmas (analytical methods). Plasma Sources Science and Technology, 2016, 25, 053001.	3.1	22
36	Fast magnetic energy dissipation in relativistic plasma induced by high order laser modes. High Power Laser Science and Engineering, 2016, 4, .	4.6	9

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37	Laser wakefield accelerated electron beam monitoring and control. AIP Conference Proceedings, 2016, , .	0.4	0
38	Explosion of relativistic electron vortices in laser plasmas. Physics of Plasmas, 2016, 23, 093116.	1.9	11
39	Laser ion acceleration from mass-limited targets with preplasma. Physics of Plasmas, 2016, 23, .	1.9	7
40	Ion acceleration via "nonlinear vacuum heating"™ by the laser pulse obliquely incident on a thin foil target. Plasma Physics and Controlled Fusion, 2016, 58, 025003.	2.1	8
41	Evolution of laser induced electromagnetic postsolitons in multi-species plasma. Physics of Plasmas, 2015, 22, .	1.9	10
42	Fast magnetic field annihilation driven by two laser pulses in underdense plasma. Physics of Plasmas, 2015, 22, .	1.9	11
43	Stochastic regimes in the driven oscillator with a step-like nonlinearity. Physics of Plasmas, 2015, 22, .	1.9	11
44	Recent progress on an upgrade of the J-KAREN laser at JAEA. , 2015, , .		0
45	Enhancement of Maximum Attainable Ion Energy in the Radiation Pressure Acceleration Regime Using a Guiding Structure. Physical Review Letters, 2015, 114, 105003.	7.8	32
46	On the problems of relativistic laboratory astrophysics and fundamental physics with super powerful lasers. Plasma Physics Reports, 2015, 41, 1-51.	0.9	106
47	Attractors and chaos of electron dynamics in electromagnetic standing waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 2044-2054.	2.1	54
48	Acceleration of highly charged GeV Fe ions from a low-Z substrate by intense femtosecond laser. Physics of Plasmas, 2015, 22, .	1.9	75
49	Effect of electromagnetic pulse transverse inhomogeneity on ion acceleration by radiation pressure. Physics of Plasmas, 2015, 22, 033112.	1.9	6
50	Evolution of relativistic solitons in underdense plasmas. , 2015, , .		1
51	Recent Advances on the J-KAREN laser upgrade. , 2015, , .		0
52	High-Contrast, High-Intensity Petawatt-Class Laser and Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 232-249.	2.9	60
53	Laser ion acceleration for hadron therapy. Physics-USpekhi, 2014, 57, 1149-1179.	2.2	105
54	Ion acceleration by the $10^{21} \text{ W cm}^{-2}$ intensity high contrast laser pulses interacting with the thin foil target. , 2014, , .		0

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55	Prepulse and amplified spontaneous emission effects on the interaction of a petawatt class laser with thin solid targets. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 745, 150-163.	1.6	46
56	High order harmonics from relativistic electron spikes. New Journal of Physics, 2014, 16, 093003.	2.9	26
57	Observation of Preformed Plasma Generated from a Thin-Foil Target for Laser-Driven Proton Acceleration. The Review of Laser Engineering, 2014, 42, 160.	0.0	0
58	Nonlinear plasma wave in magnetized plasmas. Physics of Plasmas, 2013, 20, .	1.9	21
59	High-order harmonics from gas-target irradiated by relativistic-intensity laser. , 2013, , .		0
60	Fine spectral structure of high order harmonics generated by multi-terawatt femtosecond lasers focused to gas jet targets. , 2013, , .		0
61	Relativistic mirrors for photon-photon scattering. , 2013, , .		0
62	Controlling the generation of high frequency electromagnetic pulses with relativistic flying mirrors using an inhomogeneous plasma. Physics Letters, Section A: General, Atomic and Solid State Physics, 2013, 377, 1114-1118.	2.1	13
63	The applicability range of different forms of the radiation friction force in the ultrarelativistic electron interaction with electromagnetic wave (exact solutions). Journal of Physics: Conference Series, 2013, 414, 012009.	0.4	0
64	Strong field electrodynamics of a thin foil. Physics of Plasmas, 2013, 20, 123114.	1.9	33
65	On extreme field limits in high power laser matter interactions: radiation dominant regimes in high intensity electromagnetic wave interaction with electrons. , 2013, , .		10
66	Relativistic mirrors in plasmas. Novel results and perspectives. Physics-Usppekhi, 2013, 56, 429-464.	2.2	112
67	On the design of experiments to study extreme field limits. , 2013, , .		5
68	Ultra-Intense, High Spatio-Temporal Quality Petawatt-Class Laser System and Applications. Applied Sciences (Switzerland), 2013, 3, 214-250.	2.5	15
69	High-Order Harmonic Comb from Relativistic Electron Spikes. , 2013, , .		0
70	On the breaking of a plasma wave in a thermal plasma. II. Electromagnetic wave interaction with the breaking plasma wave. Physics of Plasmas, 2012, 19, 113103.	1.9	17
71	On the breaking of a plasma wave in a thermal plasma. I. The structure of the density singularity. Physics of Plasmas, 2012, 19, .	1.9	22
72	Quasi-monochromatic pencil beam of laser-driven protons generated using a conical cavity target holder. Physics of Plasmas, 2012, 19, 030706.	1.9	7

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73	Laser Technologies and the Combined Applications towards Vacuum Physics. Progress of Theoretical Physics Supplement, 2012, 193, 236-243.	0.1	4
74	Proton acceleration to 40 MeV using a high intensity, high contrast optical parametric chirped-pulse amplification/Ti:sapphire hybrid laser system. Optics Letters, 2012, 37, 2868.	3.3	100
75	Proton Acceleration due to Anisotropic Coulomb Explosion of a Double-Layer Target Irradiated by an Intense Laser Pulse. Journal of the Physical Society of Japan, 2012, 81, 024501.	1.6	4
76	Ion acceleration from thin foil and extended plasma targets by slow electromagnetic wave and related ion-ion beam instability. Physics of Plasmas, 2012, 19, .	1.9	32
77	Fundamental physics and relativistic laboratory astrophysics with extreme power lasers. EAS Publications Series, 2012, 58, 7-22.	0.3	14
78	X-ray emission from relativistically moving electron density cusps. , 2012, , .		0
79	High-order harmonics from bow wave caustics driven by a high-intensity laser. , 2012, , .		0
80	Relativistic high harmonic generation in gas jet targets. , 2012, , .		1
81	Possibility of measuring photon-photon scattering via relativistic mirrors. Physical Review A, 2012, 86, .	2.5	29
82	Extreme field limits in the interaction of laser light with ultrarelativistic electrons. , 2012, , .		1
83	High performance imaging of relativistic soft X-ray harmonics by sub-micron resolution LiF film detectors. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2331-2335.	0.8	7
84	High-Power γ -Ray Flash Generation in Ultraintense Laser-Plasma Interactions. Physical Review Letters, 2012, 108, 195001.	7.8	175
85	Soft-X-Ray Harmonic Comb from Relativistic Electron Spikes. Physical Review Letters, 2012, 108, 135004.	7.8	66
86	Recent progress in particle acceleration from the interaction between thin-foil targets and J-KAREN laser pulses. , 2012, , .		0
87	Lorentz-Abraham-Dirac versus Landau-Lifshitz radiation friction force in the ultrarelativistic electron interaction with electromagnetic wave (exact solutions). Physical Review E, 2011, 84, 056605.	2.1	83
88	Coherent x-ray generation in relativistic laser/gas jet interactions. , 2011, , .		3
89	Extreme field science. Plasma Physics and Controlled Fusion, 2011, 53, 124025.	2.1	5
90	Relativistic Tennis with Photons: Frequency Up-Shifting, Light Intensification and Ion Acceleration with Flying Mirrors. , 2011, , .		0

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91	Extreme Field Limits in the Ultra-Relativistic Interaction of Electromagnetic Waves with Plasmas. Springer Proceedings in Physics, 2011, , 151-181.	0.2	0
92	Generation of Coherent X-Ray Radiation with Relativistic Nonlinear Processes. Springer Proceedings in Physics, 2011, , 183-193.	0.2	0
93	Ion Acceleration in Subcritical Density Plasma via Interaction of Intense Laser Pulse with Cluster-Gas Target. Springer Series in Chemical Physics, 2011, , 225-240.	0.2	0
94	Proton Generation and Terahertz Radiation from A Thin-Foil Target with A High-Intensity Laser. The Review of Laser Engineering, 2010, 38, 702-705.	0.0	0
95	Dependence of the ion energy on the parameters of the laser pulse and target in the radiation-pressure-dominated regime of acceleration. Plasma Physics Reports, 2010, 36, 15-29.	0.9	17
96	Observation of Magnetized Soliton Remnants in the Wake of Intense Laser Pulse Propagation through Plasmas. Physical Review Letters, 2010, 105, 175002.	7.8	37
97	Schwinger Limit Attainability with Extreme Power Lasers. Physical Review Letters, 2010, 105, 220407.	7.8	154
98	Unlimited Ion Acceleration by Radiation Pressure. Physical Review Letters, 2010, 104, 135003.	7.8	140
99	Unlimited energy gain in the laser-driven radiation pressure dominant acceleration of ions. Physics of Plasmas, 2010, 17, .	1.9	37
100	High-Energy Ions from Near-Critical Density Plasmas via Magnetic Vortex Acceleration. Physical Review Letters, 2010, 105, 135002.	7.8	158
101	Method of Observing the Spot Where Full-Power Counter-Propagating Laser Pulses Collide in Plasma Media. Applied Physics Express, 2010, 3, 016101.	2.4	2
102	Laser pulse guiding and electron acceleration in the ablative capillary discharge plasma. Physics of Plasmas, 2009, 16, .	1.9	29
103	Control of energy distribution of the proton beam with an oblique incidence of the laser pulse. Physics of Plasmas, 2009, 16, 033111.	1.9	7
104	Boosted High-Harmonics Pulse from a Double-Sided Relativistic Mirror. Physical Review Letters, 2009, 103, 025002.	7.8	53
105	Characteristics of Light Reflected from a Dense Ionization Wave with a Tunable Velocity. Physical Review Letters, 2009, 103, 215003.	7.8	13
106	Diagnostic of laser contrast using target reflectivity. Applied Physics Letters, 2009, 94, .	3.3	33
107	High energy negative ion generation by Coulomb implosion mechanism. Physics of Plasmas, 2009, 16, 113106.	1.9	16
108	Electron Optical Injection with Head-On and Countercrossing Colliding Laser Pulses. Physical Review Letters, 2009, 103, 194803.	7.8	59

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109	The effect of laser pulse incidence angle on the proton acceleration from a double-layer target. Plasma Physics and Controlled Fusion, 2009, 51, 024002.	2.1	7
110	Effects of the laser pulse irradiation point on a double layer target on the accelerated ion beam parameters. , 2009, , .		0
111	Radiation Reaction Effects in Ultrahigh Irradiance Laser Pulse Interactions with Multiple Electrons. , 2009, , .		0
112	Laser-driven proton acceleration and plasma diagnostics with J-KAREN laser. Proceedings of SPIE, 2009, , .	0.8	10
113	Acceleration of negative ions by Coulomb implosion mechanism. , 2009, , .		0
114	Laser-driven high-power X- and γ -ray ultra-short pulse source. , 2009, , .		0
115	Demonstration of Flying Mirror with Improved Efficiency. , 2009, , .		6
116	Observation of Low-Frequency Electromagnetic Radiation from Laser-Plasmas. , 2009, , .		2
117	On-Target Contrast Diagnostic via Specular Reflectivity Measurement. , 2009, , .		0
118	Ion acceleration in the interaction of short pulse laser radiation with the cluster-gas target. , 2009, , .		2
119	On the ion acceleration by high power electromagnetic waves in the radiation pressure dominated regime. Comptes Rendus Physique, 2009, 10, 216-226.	0.9	21
120	High-intensity laser-driven particle and electromagnetic wave sources for science, industry, and medicine. Frontiers of Optoelectronics in China, 2009, 2, 299-303.	0.2	0
121	Coulomb implosion mechanism of negative ion acceleration in laser plasmas. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 2584-2587.	2.1	19
122	Control of laser-accelerated proton beams by modifying the target density with ASE. European Physical Journal D, 2009, 55, 421-425.	1.3	4
123	Relativistic laser-matter interaction and relativistic laboratory astrophysics. European Physical Journal D, 2009, 55, 483-507.	1.3	109
124	High-power laser-driven source of ultra-short X-ray and gamma-ray pulses. European Physical Journal D, 2009, 55, 457-463.	1.3	8
125	Experimental studies of the high and low frequency electromagnetic radiation produced from nonlinear laser-plasma interactions. European Physical Journal D, 2009, 55, 465-474.	1.3	14
126	Propagation of the high power laser pulse in multicomponent cluster targets. Laser Physics, 2009, 19, 228-230.	1.2	8

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127	Enhancement of Photon Number Reflected by the Relativistic Flying Mirror. Physical Review Letters, 2009, 103, 235003.	7.8	101
128	Development of Laser-driven Proton Source Toward Its Applications. Journal of the Optical Society of Korea, 2009, 13, 37-41.	0.6	3
129	Energy Increase in Multi-MeV Ion Acceleration in the Interaction of a Short Pulse Laser with a Cluster-Gas Target. Physical Review Letters, 2009, 103, 165002.	7.8	170
130	Ion Acceleration Using Temporally-Controlled High-Intensity Laser Pulses. The Review of Laser Engineering, 2009, 37, 449-454.	0.0	0
131	Simultaneous generation of a proton beam and terahertz radiation in high-intensity laser and thin-foil interaction. Applied Physics B: Lasers and Optics, 2008, 90, 373-377.	2.2	68
132	Tunable High-Energy Ion Source via Oblique Laser Pulse Incident on a Double-Layer Target. Physical Review Letters, 2008, 100, 145001.	7.8	32
133	Laser ion acceleration via control of the near-critical density target. Physical Review E, 2008, 77, 016401.	2.1	107
134	Simultaneous Generation of UV Harmonics and Protons From a Thin-Foil Target With a High-Intensity Laser. IEEE Transactions on Plasma Science, 2008, 36, 1812-1816.	1.3	4
135	Improvement of the Quality and Stability of Electron Bunch Using Countercrossing Laser Beam. IEEE Transactions on Plasma Science, 2008, 36, 1760-1764.	1.3	11
136	Interaction of electromagnetic waves with caustics in plasma flows. Physical Review E, 2008, 78, 056402.	2.1	45
137	Controlled electron injection into the wake wave using plasma density inhomogeneity. Physics of Plasmas, 2008, 15, .	1.9	88
138	New Method to Measure the Rise Time of a Fast Pulse Slicer for Laser Ion Acceleration Research. IEEE Transactions on Plasma Science, 2008, 36, 1872-1877.	1.3	13
139	Proton acceleration by oblique laser pulse incidence on a double-layer target. AIP Conference Proceedings, 2008, , .	0.4	0
140	Femtosecond laser driven high-flux highly collimated MeV-proton beam. AIP Conference Proceedings, 2008, , .	0.4	0
141	High-energy proton generation from thin-foil targets with a high-intensity ultra-short pulse laser. AIP Conference Proceedings, 2008, , .	0.4	0
142	Stable High-Quality Electron Bunch Generation via Counter-Crossing Injection. AIP Conference Proceedings, 2008, , .	0.4	0
143	Relativistic Tennis Using Flying Mirror. AIP Conference Proceedings, 2008, , .	0.4	1
144	Laser ion acceleration by a near-critical density target. AIP Conference Proceedings, 2008, , .	0.4	0

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145	Radiotherapy using a laser proton accelerator. AIP Conference Proceedings, 2008, , .	0.4	26
146	Efficient production of a collimated MeV proton beam from a polyimide target driven by an intense femtosecond laser pulse. Physics of Plasmas, 2008, 15, .	1.9	42
147	Bow Wave from Ultraintense Electromagnetic Pulses in Plasmas. Physical Review Letters, 2008, 101, 265001.	7.8	48
148	Laser Driven Particle Accelerators and their Application to Science, Industry and Medicine. The Review of Laser Engineering, 2008, 36, 1123-1124.	0.0	0
149	HIGH QUALITY LASER-PRODUCED PROTON BEAM GENERATION BY PHASE ROTATION. International Journal of Modern Physics B, 2007, 21, 319-330.	2.0	5
150	20 MeV QUASI-MONOENERGETIC ELECTRON BEAM PRODUCTION BY USING JLITE-X LASER SYSTEM AT JAEA-APRC. International Journal of Modern Physics B, 2007, 21, 407-414.	2.0	1
151	Comment on "Collimated Multi-MeV Ion Beams from High-Intensity Laser Interactions with Underdense Plasma". Physical Review Letters, 2007, 98, 049503; discussion 049504.	7.8	75
152	Demonstration of Laser-Frequency Upshift by Electron-Density Modulations in a Plasma Wakefield. Physical Review Letters, 2007, 99, 135001.	7.8	117
153	Frequency multiplication of light back-reflected from a relativistic wake wave. Physics of Plasmas, 2007, 14, 123106.	1.9	85
154	High-Quality Laser-Produced Proton Beam Realized by the Application of a Synchronous RF Electric Field. Japanese Journal of Applied Physics, 2007, 46, L717-L720.	1.5	20
155	Intensity Scalings of Attosecond Pulse Generation by the Relativistic-irradiance Laser Pulses. Springer Series in Optical Sciences, 2007, , 265-272.	0.7	2
156	Observation of Thin Foil Preformed Plasmas with a Relativistic-intensity Ultra-short Pulse Laser by Means of Two-color Interferometer. Springer Series in Optical Sciences, 2007, , 273-277.	0.7	0
157	Electron Acceleration Under Strong Radiation Damping. Springer Series in Optical Sciences, 2007, , 143-148.	0.7	0
158	Measurements of energy and angular distribution of hot electrons and protons emitted from a p- and s-polarized intense femtosecond laser pulse driven thin foil target. Physics of Plasmas, 2006, 13, 043104.	1.9	37
159	Laser Ion-Acceleration Scaling Laws Seen in Multiparametric Particle-in-Cell Simulations. Physical Review Letters, 2006, 96, 105001.	7.8	199
160	Attosecond pulse generation in the relativistic regime of the laser-foil interaction: The sliding mirror model. Physics of Plasmas, 2006, 13, 013107.	1.9	82
161	Nonlinear Thomson scattering with strong radiation damping. Journal of Plasma Physics, 2006, 72, 1315.	2.1	12
162	Characterization of preformed plasmas using a multi-dimensional hydrodynamic simulation code in the study of high-intensity laser-plasma interactions. Journal of Plasma Physics, 2006, 72, 1281.	2.1	0

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163	Laser-plasma acceleration of quasi-monoenergetic protons from microstructured targets. <i>Nature</i> , 2006, 439, 445-448.	27.8	670
164	Generation of high-energy attosecond pulses by the relativistic-irradiance short laser pulse interacting with a thin foil. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 349, 256-263.	2.1	35
165	The laser proton acceleration in the strong charge separation regime. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 357, 339-344.	2.1	38
166	Simulation of electron bunch generation by an ultrashort-pulse high-intensity laser-driven wakefield. <i>Laser Physics</i> , 2006, 16, 252-258.	1.2	2
167	Generation and characterization of electrons from a gas target irradiated by high-peak-power lasers. <i>Laser Physics</i> , 2006, 16, 576-580.	1.2	0
168	Phase rotation scheme of laser-produced ions for reduction of the energy spread. <i>Laser Physics</i> , 2006, 16, 647-653.	1.2	25
169	Generation of a quasimonoenergetic electron beam using a single laser pulse. <i>Laser Physics</i> , 2006, 16, 1107-1110.	1.2	2
170	Electron bunch acceleration in the wake wave breaking regime. <i>Plasma Physics Reports</i> , 2006, 32, 263-281.	0.9	26
171	Efficient laser acceleration of proton beams for intense sources of low energy neutrinos. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	1
172	Hot Electrons Emitted from a Thin Foil Target Irradiated by Ultrashort Intense Laser Pulses. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0
173	Observation of strongly collimated proton beam from Tantalum targets irradiated with circular polarized laser pulses. <i>Laser and Particle Beams</i> , 2006, 24, 117-123.	1.0	13
174	Wave-breaking injection of electrons to a laser wake field in plasma channels at the strong focusing regime. <i>Physics of Plasmas</i> , 2006, 13, 103101.	1.9	21
175	Publisher's Note: Single-cycle high-intensity electromagnetic pulse generation in the interaction of a plasma wakefield with regular nonlinear structures [<i>Phys. Rev. E</i> 73, 036408 (2006)]. <i>Physical Review E</i> , 2006, 73, .	2.1	1
176	Single-cycle high-intensity electromagnetic pulse generation in the interaction of a plasma wakefield with regular nonlinear structures. <i>Physical Review E</i> , 2006, 73, 036408.	2.1	36
177	Special relativity in action in laser produced plasmas. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005, 347, 133-142.	2.1	14
178	Ion Acceleration in a Dipole Vortex in a Laser Plasma Corona. <i>Plasma Physics Reports</i> , 2005, 31, 369.	0.9	61
179	Laser polarization dependence of proton emission from a thin foil target irradiated by a 70fs, intense laser pulse. <i>Physics of Plasmas</i> , 2005, 12, 100701.	1.9	43
180	Plasma Ion Evolution in the Wake of a High-Intensity Ultrashort Laser Pulse. <i>Physical Review Letters</i> , 2005, 94, 195003.	7.8	36

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181	Spectral and dynamical features of the electron bunch accelerated by a short-pulse high intensity laser in an underdense plasma. <i>Physics of Plasmas</i> , 2005, 12, 073103.	1.9	27
182	Quasi-monoenergetic electron beam generation during laser pulse interaction with very low density plasmas. <i>Physics of Plasmas</i> , 2005, 12, 093101.	1.9	68
183	Nonlinear Thomson scattering in the strong radiation damping regime. <i>Physics of Plasmas</i> , 2005, 12, 093106.	1.9	108
184	Interaction of Charged Particles with Strong Electromagnetic Waves in the Radiation Dominated Regime. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	0
185	Feasibility of Using Laser Ion Accelerators in Proton Therapy. <i>AIP Conference Proceedings</i> , 2004, , .	0.4	29
186	Concerning the maximum energy of ions accelerated at the front of a relativistic electron cloud expanding into vacuum. <i>Plasma Physics Reports</i> , 2004, 30, 18-29.	0.9	37
187	Interaction of electromagnetic waves with plasma in the radiation-dominated regime. <i>Plasma Physics Reports</i> , 2004, 30, 196-213.	0.9	121
188	Ion generation in a low-density plastic foam by interaction with intense femtosecond laser pulses. <i>Physical Review E</i> , 2004, 69, 026401.	2.1	42
189	Highly Efficient Relativistic-Ion Generation in the Laser-Piston Regime. <i>Physical Review Letters</i> , 2004, 92, 175003.	7.8	902
190	Soliton Synchrotron Afterglow in a Laser Plasma. <i>Physical Review Letters</i> , 2004, 92, 255001.	7.8	31
191	Generation and Propagation of High Quality Proton Beams Produced by Laser Plasma Interactions. <i>Physica Scripta</i> , 2004, T107, 130.	2.5	1
192	INTERACTION OF CHARGED PARTICLES WITH ULTRA STRONG ELECTROMAGNETIC WAVES IN THE RADIATION DOMINANT REGIME. , 2004, , .		0
193	FLYING MIRRORS: RELATIVISTIC PLASMA WAKE CAUSTIC LIGHT INTENSIFICATION. , 2004, , .		0
194	Light Intensification towards the Schwinger Limit. <i>Physical Review Letters</i> , 2003, 91, 085001.	7.8	314
195	Nondrifting relativistic electromagnetic solitons in plasmas. <i>Laser and Particle Beams</i> , 2003, 21, 541-544.	1.0	6
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