

# Satyabrata Kar

## List of Publications by Year in descending order

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156  
papers

6,200  
citations

94381

37  
h-index

74108

75  
g-index

160  
all docs

160  
docs citations

160  
times ranked

2759  
citing authors

#	ARTICLE	IF	CITATIONS
1	FLASH Modalities Track (Oral Presentations) FIRST RADIOBIOLOGICAL EVIDENCE OF LASER-DRIVEN CARBON ION EFFECTIVENESS AT ULTRA-HIGH DOSE RATE. <i>Physica Medica</i> , 2022, 94, S49-S50.	0.4	0
2	FLASH Modalities Track (Oral Presentations) DOSIMETRY AND BEAM DELIVERY ARRANGEMENTS FOR SINGLE-SHOT, ULTRA-HIGH DOSE-RATE RADIOBIOLOGY EXPERIMENTS EMPLOYING LASER-ACCELERATED IONS. <i>Physica Medica</i> , 2022, 94, S49.	0.4	0
3	EFFECTIVENESS OF ULTRA-HIGH DOSE RATE PROTON CELL KILLING IN 2D AND 3D GLIOBLASTOMA. <i>Physica Medica</i> , 2022, 94, S72.	0.4	0
4	Calibration of BAS-TR image plate response to GeV gold ions. <i>Review of Scientific Instruments</i> , 2022, 93, 033304.	0.6	2
5	Non-destructive inspection of water or high-pressure hydrogen gas in metal pipes by the flash of neutrons and x rays generated by laser. <i>AIP Advances</i> , 2022, 12, 045220.	0.6	3
6	Development of a portable hypoxia chamber for ultra-high dose rate laser-driven proton radiobiology applications. <i>Radiation Oncology</i> , 2022, 17, 77.	1.2	5
7	Absolute calibration of Fujifilm BAS-TR image plate response to laser driven protons up to 40 MeV. <i>Review of Scientific Instruments</i> , 2022, 93, .	0.6	3
8	Observations of pressure anisotropy effects within semi-collisional magnetized plasma bubbles. <i>Nature Communications</i> , 2021, 12, 334.	5.8	14
9	Scaling laws for laser-driven ion acceleration from nanometer-scale ultrathin foils. <i>Physical Review E</i> , 2021, 104, 025210.	0.8	9
10	Single shot radiography by a bright source of laser-driven thermal neutrons and x-rays. <i>Applied Physics Express</i> , 2021, 14, 106001.	1.1	17
11	High energy implementation of coil-target scheme for guided re-acceleration of laser-driven protons. <i>Scientific Reports</i> , 2021, 11, 699.	1.6	6
12	Selective Ion Acceleration by Intense Radiation Pressure. <i>Physical Review Letters</i> , 2021, 127, 194801.	2.9	24
13	TOF diagnosis of laser accelerated, high-energy protons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 978, 164364.	0.7	15
14	Proof-of-principle experiment for laser-driven cold neutron source. <i>Scientific Reports</i> , 2020, 10, 20157.	1.6	28
15	A miniature thermal neutron source using high power lasers. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	16
16	Characteristics of ion beams generated in the interaction of ultra-short laser pulses with ultra-thin foils. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 054001.	0.9	6
17	Magnetic field generation using single-plate targets driven by kJ-ns class laser. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 125024.	0.9	4
18	Dynamics of guided post-acceleration of protons in a laser-driven travelling-field accelerator. <i>Plasma Physics and Controlled Fusion</i> , 2020, 62, 115023.	0.9	3

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19	Parametric study of a high amplitude electromagnetic pulse driven by an intense laser. <i>Physics of Plasmas</i> , 2019, 26, .	0.7	12
20	Bremsstrahlung emission from high power laser interactions with constrained targets for industrial radiography. <i>High Power Laser Science and Engineering</i> , 2019, 7, .	2.0	15
21	A new energy spectrum reconstruction method for time-of-flight diagnostics of high-energy laser-driven protons. <i>Review of Scientific Instruments</i> , 2019, 90, 083303.	0.6	19
22	DNA DSB Repair Dynamics following Irradiation with Laser-Driven Protons at Ultra-High Dose Rates. <i>Scientific Reports</i> , 2019, 9, 4471.	1.6	37
23	Absolute calibration of microchannel plate detector for carbon ions up to 250 MeV. <i>Journal of Instrumentation</i> , 2019, 14, C04002-C04002.	0.5	6
24	Electrostatic capacitance-type acceleration of ions with an intense few-cycle laser pulse. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	14
25	Proton array focused by a laser-irradiated mesh. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	4
26	Near-100 MeV protons via a laser-driven transparency-enhanced hybrid acceleration scheme. <i>Nature Communications</i> , 2018, 9, 724.	5.8	307
27	ELIMAIA: A Laser-Driven Ion Accelerator for Multidisciplinary Applications. <i>Quantum Beam Science</i> , 2018, 2, 8.	0.6	49
28	Dual Ion Species Plasma Expansion from Isotopically Layered Cryogenic Targets. <i>Physical Review Letters</i> , 2018, 120, 204801.	2.9	11
29	Experimental Observation of Thin-shell Instability in a Collisionless Plasma. <i>Astrophysical Journal Letters</i> , 2017, 834, L21.	3.0	8
30	Ion acceleration in electrostatic field of charged cavity created by ultra-short laser pulses of $10^{20}$ W/cm <sup>2</sup> . <i>Physics of Plasmas</i> , 2017, 24, .	0.7	8
31	Proton probing of laser-driven EM pulses travelling in helical coils. <i>High Power Laser Science and Engineering</i> , 2017, 5, .	2.0	11
32	Time of Flight based diagnostics for high energy laser driven ion beams. <i>Journal of Instrumentation</i> , 2017, 12, C03086-C03086.	0.5	17
33	High flux, beamed neutron sources employing deuteron-rich ion beams from D <sub>2</sub> O-ice layered targets. <i>Plasma Physics and Controlled Fusion</i> , 2017, 59, 064004.	0.9	26
34	Efficient post-acceleration of protons in helical coil targets driven by sub-ps laser pulses. <i>Scientific Reports</i> , 2017, 7, 10891.	1.6	14
35	Polarization Dependence of Bulk Ion Acceleration from Ultrathin Foils Irradiated by High-Intensity Ultrashort Laser Pulses. <i>Physical Review Letters</i> , 2017, 119, 054801.	2.9	60
36	Experimental demonstration of a compact epithermal neutron source based on a high power laser. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	39

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37	Achieving Stable Radiation Pressure Acceleration of Heavy Ions via Successive Electron Replenishment from Ionization of a High- $Z$ Material Coating. Physical Review Letters, 2017, 118, 204802.	2.9	37
38	Optimisation of laser driven proton beams by an innovative target scheme. Journal of Instrumentation, 2017, 12, C06025-C06025.	0.5	0
39	Kinetic magnetization by fast electrons in laser-produced plasmas at sub-relativistic intensities. Physics of Plasmas, 2017, 24, .	0.7	18
40	Scaling of X-ray Flux from High-Intensity Laser-Solid Interactions as a Function of Energy. , 2017, , .		0
41	Buffered high charge spectrally-peaked proton beams in the relativistic-transparency regime. New Journal of Physics, 2016, 18, 013038.	1.2	30
42	High volume fabrication of laser targets using MEMS techniques. Journal of Physics: Conference Series, 2016, 713, 012002.	0.3	9
43	Beamed neutron emission driven by laser accelerated light ions. New Journal of Physics, 2016, 18, 053002.	1.2	60
44	Detector for imaging and dosimetry of laser-driven epithermal neutrons by alpha conversion. Journal of Instrumentation, 2016, 11, C10008-C10008.	0.5	2
45	Experimental evaluation of the response of micro-channel plate detector to ions with 10s of MeV energies. Review of Scientific Instruments, 2016, 87, 083301.	0.6	23
46	High resolution Thomson Parabola Spectrometer for full spectral capture of multi-species ion beams. Review of Scientific Instruments, 2016, 87, 083304.	0.6	11
47	Magnetic field generation during intense laser channelling in underdense plasma. Physics of Plasmas, 2016, 23, 063121.	0.7	7
48	Laser accelerated ultra high dose rate protons induced DNA damage under hypoxic conditions. Radiotherapy and Oncology, 2016, 118, S24-S25.	0.3	2
49	Numerical study of neutron beam divergence in a beam-fusion scenario employing laser driven ions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 176-180.	0.7	5
50	Scaling of ion spectral peaks in the hybrid RPA-TNSA region. Journal of the Korean Physical Society, 2016, 68, 768-771.	0.3	0
51	Evaluating laser-driven Bremsstrahlung radiation sources for imaging and analysis of nuclear waste packages. Journal of Hazardous Materials, 2016, 318, 694-701.	6.5	20
52	Guided post-acceleration of laser-driven ions by a miniature modular structure. Nature Communications, 2016, 7, 10792.	5.8	98
53	Recent developments in the Thomson Parabola Spectrometer diagnostic for laser-driven multi-species ion sources. Journal of Instrumentation, 2016, 11, C10005-C10005.	0.5	11
54	Angularly resolved characterization of ion beams from laser-ultrathin foil interactions. Journal of Instrumentation, 2016, 11, C09020-C09020.	0.5	7

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55	Pulsed x-ray imaging of high-density objects using a ten picosecond high-intensity laser driver. Proceedings of SPIE, 2016, , .	0.8	7
56	Dynamic control of laser driven proton beams by exploiting self-generated, ultrashort electromagnetic pulses. Physics of Plasmas, 2016, 23, .	0.7	13
57	Measurement of electromagnetic pulses generated during interactions of high power lasers with solid targets. Journal of Instrumentation, 2016, 11, C06004-C06004.	0.5	19
58	Investigations of ultrafast charge dynamics in laser-irradiated targets by a self probing technique employing laser driven protons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 172-175.	0.7	18
59	Ion acceleration and plasma jet formation in ultra-thin foils undergoing expansion and relativistic transparency. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 163-166.	0.7	12
60	Laser-driven x-ray and neutron source development for industrial applications of plasma accelerators. Plasma Physics and Controlled Fusion, 2016, 58, 014039.	0.9	96
61	Temporal Narrowing of Neutrons Produced by High-Intensity Short-Pulse Lasers. Physical Review Letters, 2015, 115, 054802.	2.9	30
62	Calibration of BAS-TR image plate response to high energy (3-300 MeV) carbon ions. Review of Scientific Instruments, 2015, 86, 123302.	0.6	27
63	Time of Flight Measurements for Neutrons Produced in Reactions Driven by Laser-Target Interactions at Petawatt level. Physics Procedia, 2015, 77, 29-33.	1.2	0
64	A laser driven pulsed X-ray backscatter technique for enhanced penetrative imaging. Journal of X-Ray Science and Technology, 2015, 23, 791-797.	0.7	8
65	Observation of the inhomogeneous spatial distribution of MeV ions accelerated by the hydrodynamic ambipolar expansion of clusters. Radiation Measurements, 2015, 83, 12-14.	0.7	5
66	Selective deuterium ion acceleration using the Vulcan petawatt laser. Physics of Plasmas, 2015, 22, 053102.	0.7	19
67	Generation of neutral and high-density electron-positron pair plasmas in the laboratory. Nature Communications, 2015, 6, 6747.	5.8	252
68	Proton acceleration enhanced by a plasma jet in expanding foils undergoing relativistic transparency. New Journal of Physics, 2015, 17, 103033.	1.2	50
69	Calibration of time of flight detectors using laser-driven neutron source. Review of Scientific Instruments, 2015, 86, 073308.	0.6	23
70	Laser Driven Neutron Sources: Characteristics, Applications and Prospects. Physics Procedia, 2014, 60, 29-38.	1.2	26
71	Demonstration of laser pulse amplification by stimulated Brillouin scattering. High Power Laser Science and Engineering, 2014, 2, .	2.0	21
72	Characterisation of deuterium spectra from laser driven multi-species sources by employing differentially filtered image plate detectors in Thomson spectrometers. Review of Scientific Instruments, 2014, 85, 093303.	0.6	34

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73	Modified Thomson spectrometer design for high energy, multi-species ion sources. Review of Scientific Instruments, 2014, 85, 033304.	0.6	20
74	Radiobiology at ultra-high dose rates employing laser-driven ions. Proceedings of SPIE, 2013, , .	0.8	0
75	Laser-ion accelerators: State-of-the-art and scaling laws. , 2013, , .		0
76	First results on cell irradiation with laser-driven protons on the TARANIS system. , 2013, , .		3
77	Laser-driven generation of collimated ultra-relativistic positron beams. Plasma Physics and Controlled Fusion, 2013, 55, 124017.	0.9	33
78	Experimental investigation of hole boring and light sail regimes of RPA by varying laser and target parameters. Plasma Physics and Controlled Fusion, 2013, 55, 124030.	0.9	9
79	High Power Laser Generated Fast Neutrons and their Applications. , 2013, , .		0
80	Enhancement of ion generation in femtosecond ultraintense laser-foil interactions by defocusing. Applied Physics Letters, 2012, 100, .	1.5	11
81	Biological cell irradiation at ultrahigh dose rate employing laser driven protons. , 2012, , .		0
82	Dominance of Radiation Pressure in Ion Acceleration with Linearly Polarized Pulses at Intensities of $10^{21}$ W/cm <sup>2</sup> . Physical Review Letters, 2012, 108, 115002.	2.9	104
83	Biological effectiveness on live cells of laser driven protons at dose rates exceeding 109 Gy/s. AIP Advances, 2012, 2, .	0.6	97
84	Dynamics of Self-Generated, Large Amplitude Magnetic Fields Following High-Intensity Laser Matter Interaction. Physical Review Letters, 2012, 109, 205002.	2.9	70
85	Ion Acceleration in Multispecies Targets Driven by Intense Laser Radiation Pressure. Physical Review Letters, 2012, 109, 185006.	2.9	243
86	1425 poster LASER-PLASMA ACCELERATION OF PARTICLES FOR PROTON AND ION-BEAM RADIOTHERAPY: AN UPDATE FROM THE LIBRA CONSORTIUM. Radiotherapy and Oncology, 2011, 99, S530.	0.3	0
87	Relativistic plasma surfaces as an efficient second harmonic generator. New Journal of Physics, 2011, 13, 023041.	1.2	27
88	Dependence of laser accelerated protons on laser energy following the interaction of defocused, intense laser pulses with ultra-thin targets. Laser and Particle Beams, 2011, 29, 345-351.	0.4	29
89	Observation of plasma density dependence of electromagnetic soliton excitation by an intense laser pulse. Physics of Plasmas, 2011, 18, 080704.	0.7	18
90	Dosimetry and spectral analysis of a radiobiological experiment using laser-driven proton beams. Physics in Medicine and Biology, 2011, 56, 6969-6982.	1.6	35

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91	Ballistic Focusing of Polyenergetic Protons Driven by Petawatt Laser Pulses. Physical Review Letters, 2011, 106, 225003.	2.9	39
92	Stable ion radiation pressure acceleration with intense laser pulses. Plasma Physics and Controlled Fusion, 2011, 53, 124009.	0.9	6
93	Radiochromic film spectroscopy of laser-accelerated proton beams using the FLUKA code and dosimetry traceable to primary standards. Laser and Particle Beams, 2011, 29, 231-239.	0.4	31
94	Ion source development and radiobiology applications within the LIBRA project. , 2011, , .		4
95	Conditions for efficient and stable ion acceleration by moderate circularly polarized laser pulses at intensities of 1020W/cm <sup>2</sup> . Physics of Plasmas, 2011, 18, 043102.	0.7	27
96	Measurement of fast electrons spectra generated by interaction between solid target and peta watt laser. Journal of Physics: Conference Series, 2010, 244, 022067.	0.3	1
97	Magnetic collimation of petawatt driven fast electron beam for prospective fast ignition studies. Journal of Physics: Conference Series, 2010, 244, 022041.	0.3	1
98	The TARANIS laser: A multi-Terawatt system for laser-plasma investigations. Laser and Particle Beams, 2010, 28, 451-461.	0.4	31
99	Observation of Magnetized Soliton Remnants in the Wake of Intense Laser Pulse Propagation through Plasmas. Physical Review Letters, 2010, 105, 175002.	2.9	37
100	Laser-Driven Fast Electron Collimation in Targets with Resistivity Boundary. Physical Review Letters, 2010, 105, 135001.	2.9	84
101	Enhanced proton flux in the MeV range by defocused laser irradiation. New Journal of Physics, 2010, 12, 085012.	1.2	20
102	Micron-scale fast electron filaments and recirculation determined from rear-side optical emission in high-intensity laser-solids interactions. New Journal of Physics, 2010, 12, 073016.	1.2	13
103	Spectral Enhancement in the Double Pulse Regime of Laser Proton Acceleration. Physical Review Letters, 2010, 105, 195008.	2.9	36
104	Magnetic field measurements in laser-produced plasmas via proton deflectometry. Physics of Plasmas, 2009, 16, .	0.7	58
105	Guiding of Relativistic Electron Beams in Solid Targets by Resistively Controlled Magnetic Fields. Physical Review Letters, 2009, 102, 055001.	2.9	103
106	Diagnostic of laser contrast using target reflectivity. Applied Physics Letters, 2009, 94, .	1.5	33
107	Submicron ionography of nanostructures using a femtosecond-laser-driven-cluster-based source. Applied Physics Letters, 2009, 95, .	1.5	34
108	Tunable Enhancement of High Harmonic Emission from Laser Solid Interactions. Physical Review Letters, 2009, 102, 225002.	2.9	29

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109	Recent fast electron energy transport experiments relevant to fast ignition inertial fusion. Nuclear Fusion, 2009, 49, 104023.	1.6	27
110	Third harmonic order imaging as a focal spot diagnostic for high intensity laser-solid interactions. Laser and Particle Beams, 2009, 27, 243-248.	0.4	19
111	Spectral modification of laser-accelerated proton beams by self-generated magnetic fields. New Journal of Physics, 2009, 11, 083018.	1.2	13
112	Femtosecond-Laser-Driven Cluster-Based Plasma Source for High-Resolution Ionography. , 2009, , .		0
113	On-Target Contrast Diagnostic via Specular Reflectivity Measurement. , 2009, , .		0
114	Ionography of Submicron Foils and Nanostructures Using Ion Flow Generated in FS Laser Cluster Plasma. Contributions To Plasma Physics, 2009, 49, 507-516.	0.5	3
115	Diffraction-limited performance and focusing of high harmonics from relativistic plasmas. Nature Physics, 2009, 5, 146-152.	6.5	146
116	Ionography of nanostructures with the use of a laser plasma of cluster targets. JETP Letters, 2009, 89, 485-491.	0.4	9
117	Dynamic control and enhancement of laser-accelerated protons using multiple laser pulses. Comptes Rendus Physique, 2009, 10, 188-196.	0.3	8
118	High brightness keV harmonics from relativistically oscillating plasma surfaces. European Physical Journal: Special Topics, 2009, 175, 57-60.	1.2	0
119	Laser-driven proton acceleration and applications: Recent results. European Physical Journal: Special Topics, 2009, 175, 105-110.	1.2	9
120	Electric field dynamics and ion acceleration in the self-channeling of a superintense laser pulse. Plasma Physics and Controlled Fusion, 2009, 51, 024005.	0.9	20
121	Relativistically correct hole-boring and ion acceleration by circularly polarized laser pulses. Plasma Physics and Controlled Fusion, 2009, 51, 024004.	0.9	177
122	Measurements of fast electron scaling generated by petawatt laser systems. Physics of Plasmas, 2009, 16, .	0.7	40
123	Nuclear activation as a high dynamic range diagnostic of laser plasma interactions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 585, 117-120.	0.7	26
124	Modeling of laser-driven proton radiography of dense matter. High Energy Density Physics, 2008, 4, 26-40.	0.4	25
125	Plasma Jets Driven by Ultraintense-Laser Interaction with Thin Foils. Physical Review Letters, 2008, 100, 225004.	2.9	76
126	Laser-Driven Proton Beams: Acceleration Mechanism, Beam Optimization, and Radiographic Applications. IEEE Transactions on Plasma Science, 2008, 36, 1833-1842.	0.6	5



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127	Laser-driven proton acceleration: source optimization and radiographic applications. Plasma Physics and Controlled Fusion, 2008, 50, 124040.	0.9	63
128	Radiation pressure acceleration of thin foils with circularly polarized laser pulses. New Journal of Physics, 2008, 10, 013021.	1.2	492
129	Laser driven MeV proton beam focussing by auto-charged electrostatic lens configuration. AIP Conference Proceedings, 2008, , .	0.3	0
130	Effects of laser prepulse on proton generation: active manipulation of the distribution of laser accelerated proton beams. AIP Conference Proceedings, 2008, , .	0.3	0
131	High contrast plasma mirror: spatial filtering and second harmonic generation at $10^{19}$ W/cm <sup>2</sup> . New Journal of Physics, 2008, 10, 083002.	1.2	38
132	Proton probing measurement of electric and magnetic fields generated by ns and ps laser-matter interactions. Laser and Particle Beams, 2008, 26, 241-248.	0.4	44
133	Effects of front surface plasma expansion on proton acceleration in ultraintense laser irradiation of foil targets. Laser and Particle Beams, 2008, 26, 591-596.	0.4	98
134	Dynamic Control of Laser-Produced Proton Beams. Physical Review Letters, 2008, 100, 105004.	2.9	80
135	HIGH BRIGHTNESS LASER INDUCED MULTI-MEV ELECTRON/PROTON SOURCES. International Journal of Modern Physics A, 2007, 22, 3810-3825.	0.5	2
136	MeV PROTON SOURCES FOR PLASMA DYNAMICS INVESTIGATIONS ON PS TIMESCALES. International Journal of Modern Physics B, 2007, 21, 300-311.	1.0	0
137	Dynamics of charge-displacement channeling in intense laser-plasma interactions. New Journal of Physics, 2007, 9, 402-402.	1.2	27
138	High harmonics from relativistically oscillating plasma surfaces—a high brightness attosecond source at keV photon energies. Plasma Physics and Controlled Fusion, 2007, 49, B149-B162.	0.9	11
139	Bright Multi-keV Harmonic Generation from Relativistically Oscillating Plasma Surfaces. Physical Review Letters, 2007, 99, 085001.	2.9	201
140	Analysis of latent tracks for MeV protons in CR-39. Journal of Applied Physics, 2007, 101, 044510.	1.1	19
141	Active manipulation of the spatial energy distribution of laser-accelerated proton beams. Physical Review E, 2007, 76, 065401.	0.8	30
142	Impulsive electric fields driven by high-intensity laser matter interactions. Laser and Particle Beams, 2007, 25, 161-167.	0.4	46
143	Ion dynamics and coherent structure formation following laser pulse self-channeling. Plasma Physics and Controlled Fusion, 2007, 49, B71-B78.	0.9	15
144	Novel diagnostic of low-Z shock compressed material. High Energy Density Physics, 2006, 2, 1-6.	0.4	9

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145	Ultrafast Charge Dynamics Initiated by High-Intensity, Ultrashort Laser-Matter Interaction. AIP Conference Proceedings, 2006, , .	0.3	0
146	Proton Radiography of a Laser-Driven Implosion. Physical Review Letters, 2006, 97, 045001.	2.9	146
147	Integrated laser-target interaction experiments on the RAL petawatt laser. Plasma Physics and Controlled Fusion, 2005, 47, B833-B840.	0.9	64
148	Dynamics of Electric Fields Driving the Laser Acceleration of Multi-MeV Protons. Physical Review Letters, 2005, 95, 195001.	2.9	248
149	Study of Electron-Beam Propagation through Preionized Dense Foam Plasmas. Physical Review Letters, 2005, 94, 195001.	2.9	62
150	Plasma Ion Evolution in the Wake of a High-Intensity Ultrashort Laser Pulse. Physical Review Letters, 2005, 94, 195003.	2.9	36
151	Progress in the study of warm dense matter. Plasma Physics and Controlled Fusion, 2005, 47, B441-B449.	0.9	120
152	Proton radiography as an electromagnetic field and density perturbation diagnostic (invited). Review of Scientific Instruments, 2004, 75, 3531-3536.	0.6	159
153	Multi-MeV Proton Source Investigations in Ultraintense Laser-Foil Interactions. Physical Review Letters, 2004, 92, 055003.	2.9	269
154	The plasma mirror-A subpicosecond optical switch for ultrahigh power lasers. Review of Scientific Instruments, 2004, 75, 645-649.	0.6	200
155	COSMIC OPTICAL ACTIVITY FROM A KALB-RAMOND FIELD. , 2003, , .		0
156	Stimulated Brillouin scattering of a short pulse laser in a self-induced plasma channel. Physics of Plasmas, 2002, 9, 576-580.	0.7	15