

Chan Joshi

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3207903/chan-joshi-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

167
papers

8,583
citations

46
h-index

90
g-index

219
ext. papers

9,792
ext. citations

6.9
avg, IF

5.44
L-index

#	Paper	IF	Citations
167	Electron acceleration from the breaking of relativistic plasma waves. <i>Nature</i> , 1995 , 377, 606-608	50.4	656
166	Generating multi-GeV electron bunches using single stage laser wakefield acceleration in a 3D nonlinear regime. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2007 , 10,		562
165	Energy doubling of 42 GeV electrons in a metre-scale plasma wakefield accelerator. <i>Nature</i> , 2007 , 445, 741-4	50.4	494
164	Injection and trapping of tunnel-ionized electrons into laser-produced wakes. <i>Physical Review Letters</i> , 2010 , 104, 025003	7.4	352
163	High-efficiency acceleration of an electron beam in a plasma wakefield accelerator. <i>Nature</i> , 2014 , 515, 92-5	50.4	313
162	Collisionless shocks in laser-produced plasma generate monoenergetic high-energy proton beams. <i>Nature Physics</i> , 2012 , 8, 95-99	16.2	295
161	Self-guided laser wakefield acceleration beyond 1 GeV using ionization-induced injection. <i>Physical Review Letters</i> , 2010 , 105, 105003	7.4	283
160	Ultrahigh-gradient acceleration of injected electrons by laser-excited relativistic electron plasma waves. <i>Physical Review Letters</i> , 1993 , 70, 37-40	7.4	267
159	Experimental Measurements of Hot Electrons Generated by Ultraintense (>10 ¹⁹ W/cm ²) Laser-Plasma Interactions on Solid-Density Targets. <i>Physical Review Letters</i> , 1998 , 81, 822-825	7.4	248
158	Ultrahigh gradient particle acceleration by intense laser-driven plasma density waves. <i>Nature</i> , 1984 , 311, 525-529	50.4	219
157	Demonstration of a narrow energy spread, ~0.5 GeV electron beam from a two-stage laser wakefield accelerator. <i>Physical Review Letters</i> , 2011 , 107, 045001	7.4	185
156	Relativistic plasma-wave excitation by collinear optical mixing. <i>Physical Review Letters</i> , 1985 , 54, 2343-2346	7.4	158
155	Laser-driven shock acceleration of monoenergetic ion beams. <i>Physical Review Letters</i> , 2012 , 109, 215001	7.4	155
154	Near-GeV-energy laser-wakefield acceleration of self-injected electrons in a centimeter-scale plasma channel. <i>Physical Review Letters</i> , 2004 , 93, 185002	7.4	153
153	Propagation of intense subpicosecond laser pulses through underdense plasmas. <i>Physical Review Letters</i> , 1995 , 74, 4659-4662	7.4	150
152	Forward Raman Instability and Electron Acceleration. <i>Physical Review Letters</i> , 1981 , 47, 1285-1288	7.4	150
151	Multi-GeV energy gain in a plasma-wakefield accelerator. <i>Physical Review Letters</i> , 2005 , 95, 054802	7.4	125

150	Ionization-induced electron trapping in ultrarelativistic plasma wakes. <i>Physical Review Letters</i> , 2007 , 98, 084801	7.4	110
149	Plasma Accelerators at the Energy Frontier and on Tabletops. <i>Physics Today</i> , 2003 , 56, 47-53	0.9	106
148	Fifteen terawatt picosecond CO2 laser system. <i>Optics Express</i> , 2010 , 18, 17865-75	3.3	103
147	Multi-gigaelectronvolt acceleration of positrons in a self-loaded plasma wakefield. <i>Nature</i> , 2015 , 524, 442-5	50.4	100
146	Trapped electron acceleration by a laser-driven relativistic plasma wave. <i>Nature</i> , 1994 , 368, 527-529	50.4	100
145	Frequency upconversion of electromagnetic radiation upon transmission into an ionization front. <i>Physical Review Letters</i> , 1992 , 68, 946-949	7.4	98
144	The development of laser- and beam-driven plasma accelerators as an experimental fielda). <i>Physics of Plasmas</i> , 2007 , 14, 055501	2.1	97
143	X-ray emission from betatron motion in a plasma wiggler. <i>Physical Review Letters</i> , 2002 , 88, 135004	7.4	92
142	Plasma wakefield acceleration experiments at FACET. <i>New Journal of Physics</i> , 2010 , 12, 055030	2.9	91
141	Plasma wave wigglers for free-electron lasers. <i>IEEE Journal of Quantum Electronics</i> , 1987 , 23, 1571-1577	2	91
140	Plasma-wakefield acceleration of an intense positron beam. <i>Physical Review Letters</i> , 2003 , 90, 214801	7.4	83
139	Meter-Scale Plasma-Wakefield Accelerator Driven by a Matched Electron Beam. <i>Physical Review Letters</i> , 2004 , 93,	7.4	79
138	High energy density plasma science with an ultrarelativistic electron beam. <i>Physics of Plasmas</i> , 2002 , 9, 1845-1855	2.1	76
137	Ion acceleration from laser-driven electrostatic shocksa). <i>Physics of Plasmas</i> , 2013 , 20, 056304	2.1	72
136	Transverse envelope dynamics of a 28.5-GeV electron beam in a long plasma. <i>Physical Review Letters</i> , 2002 , 88, 154801	7.4	70
135	Generating high-brightness electron beams via ionization injection by transverse colliding lasers in a plasma-wakefield accelerator. <i>Physical Review Letters</i> , 2013 , 111, 015003	7.4	67
134	Saturation of beat-excited plasma waves by electrostatic mode coupling. <i>Physical Review Letters</i> , 1986 , 56, 2629-2632	7.4	60
133	Photo-ionized lithium source for plasma accelerator applications. <i>IEEE Transactions on Plasma Science</i> , 1999 , 27, 791-799	1.3	59

132	Acceleration and scattering of injected electrons in plasma beat wave accelerator experiments*. <i>Physics of Plasmas</i> , 1994 , 1, 1753-1760	2.1	58
131	Demonstration of a positron beam-driven hollow channel plasma wakefield accelerator. <i>Nature Communications</i> , 2016 , 7, 11785	17.4	56
130	Self-guiding of ultrashort, relativistically intense laser pulses through underdense plasmas in the blowout regime. <i>Physical Review Letters</i> , 2009 , 102, 175003	7.4	56
129	Hosing instability in the blow-out regime for plasma-wakefield acceleration. <i>Physical Review Letters</i> , 2007 , 99, 255001	7.4	56
128	Physics of Phase Space Matching for Staging Plasma and Traditional Accelerator Components Using Longitudinally Tailored Plasma Profiles. <i>Physical Review Letters</i> , 2016 , 116, 124801	7.4	54
127	Laser wakefield accelerator based light sources: potential applications and requirements. <i>Plasma Physics and Controlled Fusion</i> , 2014 , 56, 084015	2	53
126	Development of a nanosecond-laser-pumped Raman amplifier for short laser pulses in plasma. <i>Physics of Plasmas</i> , 2009 , 16, 123113	2.1	52
125	Angular dependence of betatron x-ray spectra from a laser-wakefield accelerator. <i>Physical Review Letters</i> , 2013 , 111, 235004	7.4	51
124	Enhanced acceleration of injected electrons in a laser-beat-wave-induced plasma channel. <i>Physical Review Letters</i> , 2004 , 92, 095004	7.4	50
123	Energy doubler for a linear collider. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2002 , 5,		49
122	E-157: A 1.4-m-long plasma wake field acceleration experiment using a 30 GeV electron beam from the Stanford Linear Accelerator Center Linac. <i>Physics of Plasmas</i> , 2000 , 7, 2241-2248	2.1	48
121	Role of Direct Laser Acceleration of Electrons in a Laser Wakefield Accelerator with Ionization Injection. <i>Physical Review Letters</i> , 2017 , 118, 064801	7.4	46
120	Resonant Self-Focusing of Laser Light in a Plasma. <i>Physical Review Letters</i> , 1982 , 48, 874-877	7.4	46
119	Megafilament in air formed by self-guided terawatt long-wavelength infrared laser. <i>Nature Photonics</i> , 2019 , 13, 41-46	33.9	46
118	Ultrarelativistic-positron-beam transport through meter-scale plasmas. <i>Physical Review Letters</i> , 2003 , 90, 205002	7.4	45
117	Plasma wakefield acceleration experiments at FACET II. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 034001	2	44
116	High energy gain of trapped electrons in a tapered, diffraction-dominated inverse-free-electron laser. <i>Physical Review Letters</i> , 2005 , 94, 154801	7.4	44
115	Phase-space dynamics of ionization injection in plasma-based accelerators. <i>Physical Review Letters</i> , 2014 , 112, 035003	7.4	41

114	Plasma accelerators. <i>Scientific American</i> , 2006 , 294, 40-7	0.5	40
113	Halo formation and emittance growth of positron beams in plasmas. <i>Physical Review Letters</i> , 2008 , 101, 055001	7.4	38
112	Excitation of the modified Simon-Bloch instability in an electron beam produced plasma. <i>Physics of Fluids B</i> , 1993 , 5, 1681-1694		37
111	Demonstration of Microwave Generation from a Static Field by a Relativistic Ionization Front in a Capacitor Array. <i>Physical Review Letters</i> , 1996 , 77, 4764-4767	7.4	36
110	High quality electron bunch generation using a longitudinal density-tailored plasma-based accelerator in the three-dimensional blowout regime. <i>Physical Review Accelerators and Beams</i> , 2017 , 20,	1.8	35
109	Role of direct laser acceleration in energy gained by electrons in a laser wakefield accelerator with ionization injection. <i>Plasma Physics and Controlled Fusion</i> , 2014 , 56, 084006	2	33
108	Low emittance electron beam generation from a laser wakefield accelerator using two laser pulses with different wavelengths. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014 , 17,		33
107	Multi-beam effects on backscatter and its saturation in experiments with conditions relevant to ignition). <i>Physics of Plasmas</i> , 2011 , 18, 056311	2.1	33
106	Relativistic single-cycle tunable infrared pulses generated from a tailored plasma density structure. <i>Nature Photonics</i> , 2018 , 12, 489-494	33.9	32
105	Femtosecond Probing of Plasma Wakefields and Observation of the Plasma Wake Reversal Using a Relativistic Electron Bunch. <i>Physical Review Letters</i> , 2017 , 119, 064801	7.4	32
104	Observation of Betatron X-Ray Radiation in a Self-Modulated Laser Wakefield Accelerator Driven with Picosecond Laser Pulses. <i>Physical Review Letters</i> , 2017 , 118, 134801	7.4	30
103	Plasma production via field ionization. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2006 , 9,		28
102	Self-modulated laser wakefield accelerators as x-ray sources. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 034018	2	28
101	Experiments on laser driven beatwave acceleration in a ponderomotively formed plasma channel. <i>Physics of Plasmas</i> , 2004 , 11, 2875-2881	2.1	27
100	Generation of 160-ps terawatt-power CO ₂ laser pulses. <i>Optics Letters</i> , 1999 , 24, 1717-9	3	27
99	Amplification of multi-gigawatt 3 ps pulses in an atmospheric CO ₂ laser using ac Stark effect. <i>Optics Express</i> , 2012 , 20, 13762-8	3.3	26
98	Laser wakefield acceleration at reduced density in the self-guided regime). <i>Physics of Plasmas</i> , 2010 , 17, 056709	2.1	25
97	Optical Kerr switching technique for the production of a picosecond, multiwavelength CO ₂ laser pulse. <i>Applied Optics</i> , 2002 , 41, 3743-7	1.7	25

96	Positron production by x rays emitted by betatron motion in a plasma wiggler. <i>Physical Review Letters</i> , 2006 , 97, 175003	7.4	24
95	2020 roadmap on plasma accelerators. <i>New Journal of Physics</i> , 2021 , 23, 031101	2.9	24
94	9 GeV energy gain in a beam-driven plasma wakefield accelerator. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 034017	2	24
93	Ion Motion Induced Emittance Growth of Matched Electron Beams in Plasma Wakefields. <i>Physical Review Letters</i> , 2017 , 118, 244801	7.4	23
92	Transient Filamentation of a Laser Beam in a Thermal Force Dominated Plasma. <i>Physical Review Letters</i> , 1997 , 78, 670-673	7.4	23
91	Positron injection and acceleration on the wake driven by an electron beam in a foil-and-gas plasma. <i>Physical Review Letters</i> , 2008 , 101, 124801	7.4	23
90	Perspectives on the generation of electron beams from plasma-based accelerators and their near and long term applications. <i>Physics of Plasmas</i> , 2020 , 27, 070602	2.1	23
89	Observation of the Nonlinear Saturation of Langmuir Waves Driven by Ponderomotive Force in a Large Scale Plasma. <i>Physical Review Letters</i> , 1999 , 83, 2965-2968	7.4	22
88	Coupling between high-frequency plasma waves in laser-plasma interactions. <i>Physical Review Letters</i> , 1995 , 74, 2236-2239	7.4	22
87	Collisionless shock acceleration of narrow energy spread ion beams from mixed species plasmas using 1 μm lasers. <i>Physical Review Accelerators and Beams</i> , 2018 , 21,	1.8	22
86	Measurement of Transverse Wakefields Induced by a Misaligned Positron Bunch in a Hollow Channel Plasma Accelerator. <i>Physical Review Letters</i> , 2018 , 120, 124802	7.4	21
85	Boundary effects. Refraction of a particle beam. <i>Nature</i> , 2001 , 411, 43	50.4	20
84	Studies of relativistic wave-particle interactions in plasma-based collective accelerators. <i>Laser and Particle Beams</i> , 1990 , 8, 427-449	0.9	20
83	Acceleration of a trailing positron bunch in a plasma wakefield accelerator. <i>Scientific Reports</i> , 2017 , 7, 14180	4.9	19
82	Electrostatic Mode Coupling of Beat-Excited Electron Plasma Waves. <i>IEEE Transactions on Plasma Science</i> , 1987 , 15, 107-130	1.3	19
81	Generation of microwave pulses from the static electric field of a capacitor array by an underdense, relativistic ionization front. <i>Physics of Plasmas</i> , 1998 , 5, 2112-2119	2.1	18
80	Phase Space Dynamics of a Plasma Wakefield Dechirper for Energy Spread Reduction. <i>Physical Review Letters</i> , 2019 , 122, 204804	7.4	17
79	Bremsstrahlung hard x-ray source driven by an electron beam from a self-modulated laser wakefield accelerator. <i>Plasma Physics and Controlled Fusion</i> , 2018 , 60, 054008	2	17

78	Self-mapping the longitudinal field structure of a nonlinear plasma accelerator cavity. <i>Nature Communications</i> , 2016 , 7, 12483	17.4	16
77	. <i>IEEE Transactions on Plasma Science</i> , 2017 , 45, 3134-3146	1.3	15
76	Strategies for mitigating the ionization-induced beam head erosion problem in an electron-beam-driven plasma wakefield accelerator. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2013 , 16,		14
75	Nanocomposite of semiconducting ferroelectric antimony sulphoiodide dots-doped glasses. <i>Ferroelectrics</i> , 1999 , 230, 11-20	0.6	13
74	A Beam Driven Plasma-Wakefield Linear Collider: From Higgs Factory to Multi-TeV		13
73	Nanoscale Electron Bunching in Laser-Triggered Ionization Injection in Plasma Accelerators. <i>Physical Review Letters</i> , 2016 , 117, 034801	7.4	12
72	Growth and nonlinear evolution of the modified Simon-Hoh instability in an electron beam-produced plasma. <i>Physics of Plasmas</i> , 2000 , 7, 1774-1780	2.1	12
71	Measurement of forward Raman scattering and electron acceleration from high-intensity laser-plasma interactions at 527 nm. <i>IEEE Transactions on Plasma Science</i> , 2000 , 28, 1122-1127	1.3	11
70	X-ray sources using a picosecond laser driven plasma accelerator. <i>Physics of Plasmas</i> , 2019 , 26, 083110	2.1	10
69	Ultrafast optical field-ionized gases-A laboratory platform for studying kinetic plasma instabilities. <i>Science Advances</i> , 2019 , 5, eaax4545	14.3	10
68	Photon deceleration in plasma wakes generates single-cycle relativistic tunable infrared pulses. <i>Nature Communications</i> , 2020 , 11, 2787	17.4	10
67	High-field plasma acceleration in a high-ionization-potential gas. <i>Nature Communications</i> , 2016 , 7, 11898	17.4	10
66	Efficient harmonic microbunching in a 7th-order inverse-free-electron laser interaction. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2009 , 12,		10
65	Laser-ionized, beam-driven, underdense, passive thin plasma lens. <i>Physical Review Accelerators and Beams</i> , 2019 , 22,	1.8	10
64	Prospects and directions of CO2 laser-driven accelerators 2016 ,		10
63	Energy gain scaling with plasma length and density in the plasma wakefield accelerator. <i>New Journal of Physics</i> , 2010 , 12, 045022	2.9	9
62	A Plasma Wave Accelerator - Surfatron II. <i>IEEE Transactions on Nuclear Science</i> , 1983 , 30, 3244-3246	1.7	9
61	High-resolution phase-contrast imaging of biological specimens using a stable betatron X-ray source in the multiple-exposure mode. <i>Scientific Reports</i> , 2019 , 9, 7796	4.9	8

60	Betatron x-ray radiation from laser-plasma accelerators driven by femtosecond and picosecond laser systems. <i>Physics of Plasmas</i> , 2018 , 25, 056706	2.1	8
59	Scaling of the longitudinal electric field and transformer ratio in a nonlinear plasma wakefield accelerator. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2010 , 13,		7
58	Multi-atmosphere picosecond CO amplifier optically pumped at 4.3 μm . <i>Applied Optics</i> , 2019 , 58, 5756-5763	1.6	7
57	Resonant nonlinear refraction of 4.3- μm light in CO ₂ gas. <i>Physical Review A</i> , 2019 , 100,	2.6	6
56	Forward directed ion acceleration in a LWFA with ionization-induced injection. <i>Journal of Plasma Physics</i> , 2012 , 78, 327-331	2.7	6
55	Collinear Thomson scattering diagnostic system for the detection of relativistic waves in low-density plasmas. <i>Review of Scientific Instruments</i> , 2003 , 74, 3576-3578	1.7	6
54	Experimental study of beat wave excitation of high phase velocity space charge waves in a plasma for particle acceleration. <i>AIP Conference Proceedings</i> , 1985 ,	0	6
53	High Efficiency Uniform Wakefield Acceleration of a Positron Beam Using Stable Asymmetric Mode in a Hollow Channel Plasma. <i>Physical Review Letters</i> , 2021 , 127, 174801	7.4	6
52	X-ray analysis methods for sources from self-modulated laser wakefield acceleration driven by picosecond lasers. <i>Review of Scientific Instruments</i> , 2019 , 90, 033503	1.7	5
51	Low-energy-spread laser wakefield acceleration using ionization injection with a tightly focused laser in a mismatched plasma channel. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 034004	2	5
50	A Plasma Lens for High Intensity Laser Focusing. <i>AIP Conference Proceedings</i> , 2006 ,	0	5
49	Emittance preservation through density ramp matching sections in a plasma wakefield accelerator. <i>Physical Review Accelerators and Beams</i> , 2020 , 23,	1.8	5
48	Plasma dynamics near critical density inferred from direct measurements of laser hole boring. <i>Physical Review E</i> , 2016 , 93, 061202	2.4	4
47	Colliding ionization injection in a plasma wakefield accelerator. <i>Plasma Physics and Controlled Fusion</i> , 2016 , 58, 034015	2	4
46	Plasma-based accelerators: then and now. <i>Plasma Physics and Controlled Fusion</i> , 2019 , 61, 104001	2	4
45	High-brilliance synchrotron radiation induced by the plasma magnetostatic mode. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2010 , 13,		4
44	CO ₂ Laser acceleration of forward directed MeV proton beams in a gas target at critical plasma density. <i>Journal of Plasma Physics</i> , 2012 , 78, 373-382	2.7	4
43	Parametric exploration of intense positron beam-plasma interactions. <i>Laser and Particle Beams</i> , 2003 , 21, 497-504	0.9	4

42	Plasma source test and simulation results for the underdense plasma lens experiment at the UCLA Neptune Laboratory. <i>IEEE Transactions on Plasma Science</i> , 2000 , 28, 271-277	1.3	4
41	Photoemission from diamond and fullerene films for advanced accelerator applications. <i>IEEE Transactions on Plasma Science</i> , 1996 , 24, 428-438	1.3	4
40	DEGENERATE AND RESONANT FOUR-WAVE MIXING IN PLASMAS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 1992 , 01, 1-24	0.8	4
39	Acceleration of injected electrons by the plasma beat wave accelerator. <i>AIP Conference Proceedings</i> , 1992 ,	0	4
38	Motion of relativistic electrons through transverse relativistic plasma waves. <i>Review of Scientific Instruments</i> , 1990 , 61, 3037-3039	1.7	4
37	Effect of fluctuations in the down ramp plasma source profile on the emittance and current profile of the self-injected beam in a plasma wakefield accelerator. <i>Physical Review Accelerators and Beams</i> , 2019 , 22,	1.8	4
36	In Situ Generation of High-Energy Spin-Polarized Electrons in a Beam-Driven Plasma Wakefield Accelerator. <i>Physical Review Letters</i> , 2021 , 126, 054801	7.4	4
35	Control of the nonlinear response of bulk GaAs induced by long-wavelength infrared pulses. <i>Optics Express</i> , 2019 , 27, 30462-30472	3.3	4
34	Laser-driven collisionless shock acceleration of ions from near-critical plasmas. <i>Physics of Plasmas</i> , 2020 , 27, 083102	2.1	4
33	Betatron radiation and emittance growth in plasma wakefield accelerators. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180173	3	3
32	The status and evolution of plasma Wakefield particle accelerators. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006 , 364, 577-84	3	3
31	Studies of linear and nonlinear photoelectric emission for advanced accelerator applications		3
30	Initial operation of the UCLA plane wave transformer (PWT) linac		3
29	Near-Ideal Dechirper for Plasma-Based Electron and Positron Acceleration Using a Hollow Channel Plasma. <i>Physical Review Applied</i> , 2019 , 12,	4.3	3
28	Production of Multi-Terawatt Time-Structured CO2 Laser Pulses for Ion Acceleration 2010 ,		2
27	Interpretation of Resonant and Non-Resonant Beat-Wave Excitation: Experiments and Simulations. <i>AIP Conference Proceedings</i> , 2002 ,	0	2
26	Electron acceleration in relativistic plasma waves generated by a single frequency short-pulse laser		2
25	Backward Compton scattering for probing electric fields in a plasma. <i>Review of Scientific Instruments</i> , 1986 , 57, 1840-1842	1.7	2

24	Measurements of the Growth and Saturation of Electron Weibel Instability in Optical-Field Ionized Plasmas. <i>Physical Review Letters</i> , 2020 , 125, 255001	7.4	2
23	Gain dynamics in a CO ₂ active medium optically pumped at 4.3 μm . <i>Journal of Applied Physics</i> , 2020 , 128, 103103	2.5	2
22	Generation of high power, sub-picosecond, 10 μm pulses via self-phase modulation followed by compression 2016 ,		2
21	Predominant contribution of direct laser acceleration to high-energy electron spectra in a low-density self-modulated laser wakefield accelerator. <i>Physical Review Accelerators and Beams</i> , 2021 , 24,	1.8	2
20	Ultra-short pulse generation from mid-IR to THz range using plasma wakes and relativistic ionization fronts. <i>Physics of Plasmas</i> , 2021 , 28, 023106	2.1	2
19	Lasing in 15 atm CO cell optically pumped by a Fe:ZnSe laser. <i>Optics Express</i> , 2021 , 29, 31455-31464	3.3	2
18	Initializing anisotropic electron velocity distribution functions in optical-field ionized plasmas. <i>Plasma Physics and Controlled Fusion</i> , 2020 , 62, 024011	2	1
17	Exact forward scattering of a CO ₂ laser beam from a relativistic plasma wave by time resolved frequency mixing in AgGaS ₂ . <i>Review of Scientific Instruments</i> , 1997 , 68, 690-693	1.7	1
16	A broadband electron spectrometer and electron detectors for laser accelerator experiments		1
15	Detection of trapped magnetic fields in a theta pinch using a relativistic electron beam. <i>Review of Scientific Instruments</i> , 1988 , 59, 1641-1643	1.7	1
14	Positron beam extraction from an electron-beam-driven plasma wakefield accelerator. <i>Physical Review Accelerators and Beams</i> , 2019 , 22,	1.8	1
13	Surfing Plasma Waves: A New Paradigm for Particle Accelerators. <i>Plasma and Fusion Research</i> , 2009 , 4, 045-045	0.5	1
12	Population Inversion in a Stationary Recombining Plasma.. <i>The Review of Laser Engineering</i> , 1991 , 19, 508-519	0	1
11	Shaping trailing beams for beam loading via beam-induced-ionization injection at FACET. <i>Physical Review Accelerators and Beams</i> , 2019 , 22,	1.8	1
10	Probing thermal Weibel instability in optical-field-ionized plasmas using relativistic electron bunches. <i>Plasma Physics and Controlled Fusion</i> , 2020 , 62, 024010	2	1
9	Mitigation Techniques for Witness Beam Hosing in Plasma - Based Acceleration 2018 ,		1
8	Generating Quasi-Single Multi - Terawatt Picosecond Pulses in the Neptune CO ₂ Laser System 2018 ,		1
7	Generation of Terawatt Attosecond Pulses from Relativistic Transition Radiation. <i>Physical Review Letters</i> , 2021 , 126, 094801	7.4	0

6	Ultrabright Electron Bunch Injection in a Plasma Wakefield Driven by a Superluminal Flying Focus Electron Beam.. <i>Physical Review Letters</i> , 2022 , 128, 174803	7.4	o
5	Observation of breakdown wave mechanism in avalanche ionization produced atmospheric plasma generated by a picosecond CO2 laser. <i>Physics of Plasmas</i> , 2022 , 29, 053504	2.1	o
4	Two-dimensional Cherenkov emission array for studies of relativistic electron dynamics in a laser plasma. <i>Review of Scientific Instruments</i> , 1997 , 68, 358-360	1.7	
3	STATUS OF THE POLARIZED NONLINEAR INVERSE COMPTON SCATTERING EXPERIMENT AT UCLA. <i>International Journal of Modern Physics A</i> , 2007 , 22, 4355-4362	1.2	
2	Demonstration of Degenerate Four Wave Mixing and Phase Conjugation of CO2 Laser in a Plasma.. <i>The Review of Laser Engineering</i> , 1991 , 19, 451-460	o	
1	The optimal beam-loading in two-bunch nonlinear plasma wakefield accelerators. <i>Plasma Physics and Controlled Fusion</i> , 2022 , 64, 065007	2	