

Chan Joshi

List of Publications by Year in descending order

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218
papers

10,816
citations

31976

53
h-index

31849

101
g-index

219
all docs

219
docs citations

219
times ranked

3028
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation of topologically complex three-dimensional electron beams in a plasma photocathode. <i>Physical Review Accelerators and Beams</i> , 2022, 25, .	1.6	1
2	Ultrabright Electron Bunch Injection in a Plasma Wakefield Driven by a Superluminal Flying Focus Electron Beam. <i>Physical Review Letters</i> , 2022, 128, 174803.	7.8	8
3	Observation of breakdown wave mechanism in avalanche ionization produced atmospheric plasma generated by a picosecond CO2 laser. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	3
4	The optimal beam-loading in two-bunch nonlinear plasma wakefield accelerators. <i>Plasma Physics and Controlled Fusion</i> , 2022, 64, 065007.	2.1	0
5	Electron Weibel instability induced magnetic fields in optical-field ionized plasmas. <i>Physics of Plasmas</i> , 2022, 29, .	1.9	3
6	Generation of ultrahigh-brightness pre-bunched beams from a plasma cathode for X-ray free-electron lasers. <i>Nature Communications</i> , 2022, 13, .	12.8	11
7	Highly spin-polarized multi-GeV electron beams generated by single-species plasma photocathodes. <i>Physical Review Research</i> , 2022, 4, .	3.6	1
8	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, .	1.6	6
9	Ultra-short pulse generation from mid-IR to THz range using plasma wakes and relativistic ionization fronts. <i>Physics of Plasmas</i> , 2021, 28, .	1.9	8
10	2020 roadmap on plasma accelerators. <i>New Journal of Physics</i> , 2021, 23, 031101.	2.9	89
11	Generation of Terawatt Attosecond Pulses from Relativistic Transition Radiation. <i>Physical Review Letters</i> , 2021, 126, 094801.	7.8	4
12	Ionization induced plasma grating and its applications in strong-field ionization measurements. <i>Plasma Physics and Controlled Fusion</i> , 2021, 63, 095011.	2.1	12
13	Tunable Plasma Linearizer for Compensation of Nonlinear Energy Chirp. <i>Physical Review Applied</i> , 2021, 16, .	3.8	1
14	Lasing in 15 atm CO2 cell optically pumped by a Fe:ZnSe laser. <i>Optics Express</i> , 2021, 29, 31455.	3.4	8
15	Generation of High-Energy Spin-Polarized Electrons in a Beam-Driven Plasma Wakefield Accelerator. <i>Physical Review Letters</i> , 2021, 126, 054801.	7.8	28
16	Resonant nonlinear refraction of $4\hat{a}\hat{e}^{-5\hat{a}\hat{I}}/4\text{m}$ light in CO and CO2 gas. <i>Physical Review A</i> , 2021, 104, .	2.5	2
17	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.	7.8	22
18	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	5

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19	Perspectives on the generation of electron beams from plasma-based accelerators and their near and long term applications. Physics of Plasmas, 2020, 27, .	1.9	50
20	Gain dynamics in a CO ₂ active medium optically pumped at 4.3 μ m. Journal of Applied Physics, 2020, 128, .	2.5	4
21	Laser-driven collisionless shock acceleration of ions from near-critical plasmas. Physics of Plasmas, 2020, 27, .	1.9	12
22	Conservation of angular momentum in second harmonic generation from under-dense plasmas. Communications Physics, 2020, 3, .	5.3	5
23	Photon deceleration in plasma wakes generates single-cycle relativistic tunable infrared pulses. Nature Communications, 2020, 11, 2787.	12.8	23
24	Initializing anisotropic electron velocity distribution functions in optical-field ionized plasmas. Plasma Physics and Controlled Fusion, 2020, 62, 024011.	2.1	6
25	Emittance preservation through density ramp matching sections in a plasma wakefield accelerator. Physical Review Accelerators and Beams, 2020, 23, .	1.6	13
26	Measurements of the Growth and Saturation of Electron Weibel Instability in Optical-Field Ionized Plasmas. Physical Review Letters, 2020, 125, 255001.	7.8	18
27	Plasma-based accelerators: then and now. Plasma Physics and Controlled Fusion, 2019, 61, 104001.	2.1	6
28	Betatron radiation and emittance growth in plasma wakefield accelerators. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180173.	3.4	4
29	Resonant nonlinear refraction of 4.3 μ m light in CO ₂ gas. Physical Review A, 2019, 100, .	2.5	9
30	X-ray sources using a picosecond laser driven plasma accelerator. Physics of Plasmas, 2019, 26, .	1.9	22
31	Ultrafast optical field-ionized gases: A laboratory platform for studying kinetic plasma instabilities. Science Advances, 2019, 5, eaax4545.	10.3	21
32	Phase Space Dynamics of a Plasma Wakefield Dechirper for Energy Spread Reduction. Physical Review Letters, 2019, 122, 204804.	7.8	31
33	High-resolution phase-contrast imaging of biological specimens using a stable betatron X-ray source in the multiple-exposure mode. Scientific Reports, 2019, 9, 7796.	3.3	16
34	X-ray analysis methods for sources from self-modulated laser wakefield acceleration driven by picosecond lasers. Review of Scientific Instruments, 2019, 90, 033503.	1.3	8
35	Near-Ideal Dechirper for Plasma-Based Electron and Positron Acceleration Using a Hollow Channel Plasma. Physical Review Applied, 2019, 12, .	3.8	10
36	Mega-filament in air formed by self-guided terawatt long-wavelength infrared laser. Nature Photonics, 2019, 13, 41-46.	31.4	83

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55	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.	7.8	45
56	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.	7.8	44
57	Generation of energetic, picosecond seed pulses for CO2 laser using Raman shifter. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
58	Acceleration of a trailing positron bunch in a plasma wakefield accelerator. <i>Scientific Reports</i> , 2017, 7, 14180.	3.3	32
59	Ion Motion Induced Emittance Growth of Matched Electron Beams in Plasma Wakefields. <i>Physical Review Letters</i> , 2017, 118, 244801.	7.8	30
60	Laser-Driven Plasma Accelerators Operating in the Self-Guided, Blowout Regime. <i>IEEE Transactions on Plasma Science</i> , 2017, 45, 3134-3146.	1.3	22
61	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, .	1.6	53
62	Four-frame picosecond interferometry system for probing near-critical density CO2 laser-produced plasmas. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	0
63	9 GeV energy gain in a beam-driven plasma wakefield accelerator. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 034017.	2.1	35
64	Self-modulated laser wakefield accelerators as x-ray sources. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 034018.	2.1	37
65	Prospects and directions of CO2 laser-driven accelerators. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	10
66	Generation of high power, sub-picosecond, 10 μ m pulses via self-phase modulation followed by compression. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	3
67	Plasma dynamics near critical density inferred from direct measurements of laser hole boring. <i>Physical Review E</i> , 2016, 93, 061202.	2.1	6
68	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.	7.8	73
69	Nanoscale Electron Bunching in Laser-Triggered Ionization Injection in Plasma Accelerators. <i>Physical Review Letters</i> , 2016, 117, 034801.	7.8	20
70	Colliding ionization injection in a plasma wakefield accelerator. <i>Plasma Physics and Controlled Fusion</i> , 2016, 58, 034015.	2.1	6
71	Demonstration of a positron beam-driven hollow channel plasma wakefield accelerator. <i>Nature Communications</i> , 2016, 7, 11785.	12.8	93
72	High-field plasma acceleration in a high-ionization-potential gas. <i>Nature Communications</i> , 2016, 7, 11898.	12.8	18

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73	Self-mapping the longitudinal field structure of a nonlinear plasma accelerator cavity. Nature Communications, 2016, 7, 12483.	12.8	18
74	The energy-dependent betatron phase advance in the blowout regime—comparison of two methods for estimation. AIP Conference Proceedings, 2016, , .	0.4	0
75	Two-beam accelerator with active medium as the energy source. AIP Conference Proceedings, 2016, , .	0.4	0
76	Low-energy-spread laser wakefield acceleration using ionization injection with a tightly focused laser in a mismatched plasma channel. Plasma Physics and Controlled Fusion, 2016, 58, 034004.	2.1	7
77	Multi-gigaelectronvolt acceleration of positrons in a self-loaded plasma wakefield. Nature, 2015, 524, 442-445.	27.8	133
78	Role of direct laser acceleration in energy gained by electrons in a laser wakefield accelerator with ionization injection. Plasma Physics and Controlled Fusion, 2014, 56, 084006.	2.1	42
79	Low emittance electron beam generation from a laser wakefield accelerator using two laser pulses with different wavelengths. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	46
80	Phase-Space Dynamics of Ionization Injection in Plasma-Based Accelerators. Physical Review Letters, 2014, 112, 035003.	7.8	49
81	High-efficiency acceleration of an electron beam in a plasma wakefield accelerator. Nature, 2014, 515, 92-95.	27.8	403
82	Laser wakefield accelerator based light sources: potential applications and requirements. Plasma Physics and Controlled Fusion, 2014, 56, 084015.	2.1	69
83	Angular Dependence of Betatron X-Ray Spectra from a Laser-Wakefield Accelerator. Physical Review Letters, 2013, 111, 235004.	7.8	60
84	Ion acceleration from laser-driven electrostatic shocks. Physics of Plasmas, 2013, 20, .	1.9	85
85	Strategies for mitigating the ionization-induced beam head erosion problem in an electron-beam-driven plasma wakefield accelerator. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	17
86	Generating High-Brightness Electron Beams via Ionization Injection by Transverse Colliding Lasers in a Plasma-Wakefield Accelerator. Physical Review Letters, 2013, 111, 015003.	7.8	80
87	Monoenergetic proton beams from laser driven shocks. AIP Conference Proceedings, 2013, , .	0.4	2
88	100 MeV injector cell for a staged laser wakefield accelerator. AIP Conference Proceedings, 2013, , .	0.4	1
89	Ion acceleration in a gas jet using multi-terawatt CO ₂ laser pulses. , 2013, , .		0
90	Generation of coherent, broadband X-ray and mid-IR pulses in a noble-gas-filled hollow waveguide. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
109	Femtosecond Microbunching of Electron Beam in a 7 th Harmonic Coupled IFEL. , 2009, , .		0
110	Development of a nanosecond-laser-pumped Raman amplifier for short laser pulses in plasma. Physics of Plasmas, 2009, 16, 123113.	1.9	57
111	Differences in plasma focusing of short, relativistic electron and positron bunches. , 2009, , .		0
112	Self-Guiding of Ultrashort, Relativistically Intense Laser Pulses through Underdense Plasmas in the Blowout Regime. Physical Review Letters, 2009, 102, 175003.	7.8	63
113	Efficient harmonic microbunching in a 7 th -order inverse-free-electron laser interaction. Physical Review Special Topics: Accelerators and Beams, 2009, 12, .	1.8	10
114	Plasma sources for future plasma wakefield accelerator based electron/positron collider. , 2009, , .		0
115	Seeded FEL Amplifier-Buncher in the 0.5â€“9 THz for Advanced Accelerators. , 2009, , .		0
116	Surfing Plasma Waves: A New Paradigm for Particle Accelerators. Plasma and Fusion Research, 2009, 4, 045-045.	0.7	1
117	Positron Injection and Acceleration on the Wake Driven by an Electron Beam in a Foil-and-Gas Plasma. Physical Review Letters, 2008, 101, 124801.	7.8	29
118	Halo Formation and Emittance Growth of Positron Beams in Plasmas. Physical Review Letters, 2008, 101, 055001.	7.8	44
119	Narrow-band Terahertz pulses generated by difference-frequency mixing of CO<inf>2</inf> laser lines. , 2008, , .		0
120	STATUS OF THE POLARIZED NONLINEAR INVERSE COMPTON SCATTERING EXPERIMENT AT UCLA. International Journal of Modern Physics A, 2007, 22, 4355-4362.	1.5	0
121	THz Modulation of Relativistic Electrons Using a Vacuum Laser Beat-Wave. , 2007, , .		0
122	The development of laser- and beam-driven plasma accelerators as an experimental field. Physics of Plasmas, 2007, 14, 055501.	1.9	111
123	Development of a THz seed source for FEL microbunching experiment at the neptune laboratory. , 2007, , .		0
124	THz modulation of relativistic electrons using a vacuum laser beat-wave. , 2007, , .		0
125	Generating multi-GeV electron bunches using single stage laser wakefield acceleration in a 3D nonlinear regime. Physical Review Special Topics: Accelerators and Beams, 2007, 10, .	1.8	710
126	Ionization-Induced Electron Trapping in Ultrarelativistic Plasma Wakes. Physical Review Letters, 2007, 98, 084801.	7.8	138

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127	Energy doubling of 42â€‰GeV electrons in a metre-scale plasma wakefield accelerator. Nature, 2007, 445, 741-744.	27.8	604
128	Hosing Instability in the Blow-Out Regime for Plasma-Wakefield Acceleration. Physical Review Letters, 2007, 99, 255001.	7.8	67
129	The status and evolution of plasma wakefield particle accelerators. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2006, 364, 577-585.	3.4	6
130	Plasma Accelerators. Scientific American, 2006, 294, 40-47.	1.0	51
131	A Plasma Lens for High Intensity Laser Focusing. AIP Conference Proceedings, 2006, , .	0.4	5
132	Development of a Waveguide FEL Seeded in the 1â€‰THz Range for Microbunching Experiment at the Neptune Laboratory. AIP Conference Proceedings, 2006, , .	0.4	1
133	Positron Production by X Rays Emitted by Betatron Motion in a Plasma Wiggler. Physical Review Letters, 2006, 97, 175003.	7.8	28
134	Narrow-band, intense terahertz pulses from a large-aperture GaAs frequency downconverter. , 2006, , .		0
135	Plasma production via field ionization. Physical Review Special Topics: Accelerators and Beams, 2006, 9, .	1.8	33
136	High-power terahertz radiation source based on difference frequency mixing of CO/sub 2/ laser lines. , 2005, , .		0
137	Multi-GeV Energy Gain in a Plasma-Wakefield Accelerator. Physical Review Letters, 2005, 95, 054802.	7.8	160
138	High Energy Gain of Trapped Electrons in a Tapered, Diffraction-Dominated Inverse-Free-Electron Laser. Physical Review Letters, 2005, 94, 154801.	7.8	47
139	Generation of megawatt-power terahertz pulses by noncollinear difference-frequency mixing in GaAs. Journal of Applied Physics, 2005, 98, 026101.	2.5	48
140	Study of a THz IFEL prebuncher for laser-plasma accelerators. AIP Conference Proceedings, 2004, , .	0.4	0
141	Study of X-ray Harmonics of the Polarized Inverse Compton Scattering Experiment at UCLA. AIP Conference Proceedings, 2004, , .	0.4	2
142	Experiments on laser driven beatwave acceleration in a ponderomotively formed plasma channel. Physics of Plasmas, 2004, 11, 2875-2881.	1.9	30
143	Enhanced Acceleration of Injected Electrons in a Laser-Beat-Wave-Induced Plasma Channel. Physical Review Letters, 2004, 92, 095004.	7.8	56
144	Near-GeV-Energy Laser-Wakefield Acceleration of Self-Injected Electrons in a Centimeter-Scale Plasma Channel. Physical Review Letters, 2004, 93, 185002.	7.8	168

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145	Meter-Scale Plasma-Wakefield Accelerator Driven by a Matched Electron Beam. Physical Review Letters, 2004, 93, .	7.8	88
146	Plasma-Wakefield Acceleration of an Intense Positron Beam. Physical Review Letters, 2003, 90, 214801.	7.8	102
147	Ultrarelativistic-Positron-Beam Transport through Meter-Scale Plasmas. Physical Review Letters, 2003, 90, 205002.	7.8	59
148	Parametric exploration of intense positron beam-plasma interactions. Laser and Particle Beams, 2003, 21, 497-504.	1.0	4
149	Collinear Thomson scattering diagnostic system for the detection of relativistic waves in low-density plasmas. Review of Scientific Instruments, 2003, 74, 3576-3578.	1.3	15
150	Plasma Accelerators at the Energy Frontier and on Tabletops. Physics Today, 2003, 56, 47-53.	0.3	125
151	Energy doubler for a linear collider. Physical Review Special Topics: Accelerators and Beams, 2002, 5, .	1.8	60
152	Interpretation of Resonant and Non-Resonant Beat-Wave Excitation: Experiments and Simulations. AIP Conference Proceedings, 2002, , .	0.4	3
153	X-Ray Emission from Betatron Motion in a Plasma Wiggler. Physical Review Letters, 2002, 88, 135004.	7.8	107
154	Transverse Envelope Dynamics of a 28.5-GeV Electron Beam in a Long Plasma. Physical Review Letters, 2002, 88, 154801.	7.8	81
155	Optical Kerr switching technique for the production of a picosecond, multiwavelength CO ₂ laser pulse. Applied Optics, 2002, 41, 3743.	2.1	31
156	High energy density plasma science with an ultrarelativistic electron beam. Physics of Plasmas, 2002, 9, 1845-1855.	1.9	81
157	Generation of 40-ps, terawatt 10-/spl mu/m pulses using self-phase modulation in plasma. , 2001, , .		0
158	Refraction of a particle beam. Nature, 2001, 411, 43-43.	27.8	24
159	Plasma source test and simulation results for the underdense plasma lens experiment at the UCLA Neptune Laboratory. IEEE Transactions on Plasma Science, 2000, 28, 271-277.	1.3	4
160	Measurement of forward Raman scattering and electron acceleration from high-intensity laser-plasma interactions at 527 nm. IEEE Transactions on Plasma Science, 2000, 28, 1122-1127.	1.3	12
161	Growth and nonlinear evolution of the modified Simon-Hoh instability in an electron beam-produced plasma. Physics of Plasmas, 2000, 7, 1774-1780.	1.9	17
162	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. Physics of Plasmas, 2000, 7, 2241-2248.	1.9	57

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163	Nanocomposite of semiconducting ferroelectric antimony sulphiodide dots-doped glasses. <i>Ferroelectrics</i> , 1999, 230, 11-20.	0.6	13
164	Photo-ionized lithium source for plasma accelerator applications. <i>IEEE Transactions on Plasma Science</i> , 1999, 27, 791-799.	1.3	70
165	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.	7.8	23
166	Generation of 160-ps terawatt-power CO ₂ laser pulses. <i>Optics Letters</i> , 1999, 24, 1717.	3.3	43
167	Physics of laser particle acceleration. , 1998, , .		0
168	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.	7.8	263
169	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.	1.9	23
170	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.	1.3	1
171	Transient Filamentation of a Laser Beam in a Thermal Force Dominated Plasma. <i>Physical Review Letters</i> , 1997, 78, 670-673.	7.8	26
172	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.	1.3	0
173	Thin film photoemission experiments. , 1997, , .		0
174	Photoemission from diamond and fullerene films for advanced accelerator applications. <i>IEEE Transactions on Plasma Science</i> , 1996, 24, 428-438.	1.3	7
175	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.	7.8	51
176	Electron acceleration from the breaking of relativistic plasma waves. <i>Nature</i> , 1995, 377, 606-608.	27.8	750
177	Coupling between High-Frequency Plasma Waves in Laser-Plasma Interactions. <i>Physical Review Letters</i> , 1995, 74, 2236-2239.	7.8	31
178	Propagation of Intense Subpicosecond Laser Pulses through Underdense Plasmas. <i>Physical Review Letters</i> , 1995, 74, 4659-4662.	7.8	166
179	Acceleration and scattering of injected electrons in plasma beat wave accelerator experiments*. <i>Physics of Plasmas</i> , 1994, 1, 1753-1760.	1.9	67
180	Trapped electron acceleration by a laser-driven relativistic plasma wave. <i>Nature</i> , 1994, 368, 527-529.	27.8	124

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181	Ultrahigh-gradient acceleration of injected electrons by laser-excited relativistic electron plasma waves. <i>Physical Review Letters</i> , 1993, 70, 37-40.	7.8	307
182	Excitation of the modified Simonâ€“Hoh instability in an electron beam produced plasma. <i>Physics of Fluids B</i> , 1993, 5, 1681-1694.	1.7	51
183	DEGENERATE AND RESONANT FOUR-WAVE MIXING IN PLASMAS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 1992, 01, 1-24.	1.8	4
184	Frequency upconversion of electromagnetic radiation upon transmission into an ionization front. <i>Physical Review Letters</i> , 1992, 68, 946-949.	7.8	122
185	Acceleration of injected electrons by the plasma beat wave accelerator. <i>AIP Conference Proceedings</i> , 1992, , .	0.4	4
186	Photoelectron beams from the UCLA rf gun. <i>AIP Conference Proceedings</i> , 1992, , .	0.4	0
187	Population Inversion in a Stationary Recombining Plasma.. <i>The Review of Laser Engineering</i> , 1991, 19, 508-519.	0.0	1
188	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.	0.0	0
189	Motion of relativistic electrons through transverse relativistic plasma waves. <i>Review of Scientific Instruments</i> , 1990, 61, 3037-3039.	1.3	5
190	Studies of relativistic waveâ€“particle interactions in plasma-based collective accelerators. <i>Laser and Particle Beams</i> , 1990, 8, 427-449.	1.0	22
191	Degenerate Resonant Four Wave Mixing Of Laser Radiation In A Plasma. , 1990, , .		0
192	Detection of trapped magnetic fields in a theta pinch using a relativistic electron beam. <i>Review of Scientific Instruments</i> , 1988, 59, 1641-1643.	1.3	2
193	Plasma wave wigglers for free-electron lasers. <i>IEEE Journal of Quantum Electronics</i> , 1987, 23, 1571-1577.	1.9	98
194	Electrostatic Mode Coupling of Beat-Excited Electron Plasma Waves. <i>IEEE Transactions on Plasma Science</i> , 1987, 15, 107-130.	1.3	22
195	Backward Compton scattering for probing electric fields in a plasma. <i>Review of Scientific Instruments</i> , 1986, 57, 1840-1842.	1.3	2
196	Saturation of Beat-Excited Plasma Waves by Electrostatic Mode Coupling. <i>Physical Review Letters</i> , 1986, 56, 2629-2632.	7.8	69
197	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, , .	0.4	8
198	Relativistic Plasma-Wave Excitation by Collinear Optical Mixing. <i>Physical Review Letters</i> , 1985, 54, 2343-2346.	7.8	192

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199	Ultrahigh gradient particle acceleration by intense laser-driven plasma density waves. Nature, 1984, 311, 525-529.	27.8	256
200	A Plasma Wave Accelerator - Surfatron II. IEEE Transactions on Nuclear Science, 1983, 30, 3244-3246.	2.0	12
201	Resonant Self-Focusing of Laser Light in a Plasma. Physical Review Letters, 1982, 48, 874-877.	7.8	54
202	Forward Raman Instability and Electron Acceleration. Physical Review Letters, 1981, 47, 1285-1288.	7.8	171
203	Tunable high frequency radiation source utilizing a relativistically propagating ionization front. , 0, , .		0
204	Studies of linear and nonlinear photoelectric emission for advanced accelerator applications. , 0, , .		5
205	Measurements of the beatwave dynamics in time and space. , 0, , .		1
206	A beam size monitor based on appearance intensities for multiple gas ionization. , 0, , .		1
207	A broadband electron spectrometer and electron detectors for laser accelerator experiments. , 0, , .		1
208	Electron acceleration in relativistic plasma waves generated by a single frequency short-pulse laser. , 0, , .		2
209	Theory and simulation of plasma accelerators. , 0, , .		0
210	Laser accelerators: experiments, computations and prospects. , 0, , .		0
211	The NEPTUNE facility for 2nd generation advanced accelerator experiments. , 0, , .		0
212	Commissioning of the Neptune photoinjector. , 0, , .		1
213	A two-wavelength terawatt CO/sub 2/ laser system for the plasma heat wave accelerator. , 0, , .		0
214	Cerenkov radiation from a magnetized plasma: a diagnostic for PBWA experiments. , 0, , .		0
215	Non-resonant excitation of relativistic plasma waves using a two-wavelength TW CO/sub 2/ laser pulse. , 0, , .		0
216	Initial operation of the UCLA plane wave transformer (PWT) linac. , 0, , .		9

#	ARTICLE	IF	CITATIONS
217	The UCLA compact high brightness electron accelerator. , 0, , .		0
218	Characteristics of plasmas produced by double beat wave interaction in the Neptune facility at UCLA. , 0, , .		1