

# Jerome Faure

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7438564/publications.pdf>

Version: 2024-02-01

159  
papers

8,922  
citations

46918

47  
h-index

40881

93  
g-index

168  
all docs

168  
docs citations

168  
times ranked

3897  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | A laserâ€‘plasma accelerator producing monoenergetic electron beams. <i>Nature</i> , 2004, 431, 541-544.  | 13.7 | 1,853     |
| 2  | Controlled injection and acceleration of electrons in plasma wakefields by colliding laser pulses. <i>Nature</i> , 2006, 444, 737-739.  | 13.7 | 740       |
| 3  | Principles and applications of compact laserâ€‘plasma accelerators. <i>Nature Physics</i> , 2008, 4, 447-453.   | 6.5  | 420       |
| 4  | Few femtosecond, few kiloampere electron bunch produced by a laserâ€‘plasma accelerator. <i>Nature Physics</i> , 2011, 7, 219-222.  | 6.5  | 363       |
| 5  | Observation of Terahertz Emission from a Laser-Plasma Accelerated Electron Bunch Crossing a Plasma-Vacuum Boundary. <i>Physical Review Letters</i> , 2003, 91, 074802.              | 2.9  | 327       |
| 6  | High-Resolution $\gamma$ -Ray Radiography Produced by a Laser-Plasma Driven Electron Source. <i>Physical Review Letters</i> , 2005, 94, 025003.                                     | 2.9  | 201       |
| 7  | Electron and photon production from relativistic laserâ€‘plasma interactions. <i>Nuclear Fusion</i> , 2003, 43, 629-633.  | 1.6  | 184       |
| 8  | Particle-in-Cell modelling of laserâ€‘plasma interaction using Fourier decomposition. <i>Journal of Computational Physics</i> , 2009, 228, 1803-1814.                               | 1.9  | 169       |
| 9  | Suppression of the amplified spontaneous emission in chirped-pulse-amplification lasers by clean high-energy seed-pulse injection. <i>Optics Communications</i> , 1998, 148, 70-74. | 1.0  | 159       |
| 10 | Controlling the Phase-Space Volume of Injected Electrons in a Laser-Plasma Accelerator. <i>Physical Review Letters</i> , 2009, 102, 164801.   | 2.9  | 159       |
| 11 | Electron-Yield Enhancement in a Laser-Wakefield Accelerator Driven by Asymmetric Laser Pulses. <i>Physical Review Letters</i> , 2002, 89, 174802.                                   | 2.9  | 152       |
| 12 | Relativistic electron beams driven by kHz single-cycle light pulses. <i>Nature Photonics</i> , 2017, 11, 293-296.   | 15.6 | 143       |
| 13 | Absolute calibration for a broad range single shot electron spectrometer. <i>Review of Scientific Instruments</i> , 2006, 77, 103301.   | 0.6  | 124       |
| 14 | Observation of Laser-Pulse Shortening in Nonlinear Plasma Waves. <i>Physical Review Letters</i> , 2005, 95, 205003.   | 2.9  | 123       |
| 15 | Measurements of the Inverse Faraday Effect from Relativistic Laser Interactions with an Underdense Plasma. <i>Physical Review Letters</i> , 2001, 87, 215004.                       | 2.9  | 113       |
| 16 | Injection and acceleration of quasimonoenergetic relativistic electron beams using density gradients at the edges of a plasma channel. <i>Physics of Plasmas</i> , 2010, 17, .      | 0.7  | 112       |
| 17 | Vacuum laser acceleration of relativistic electrons using plasma mirror injectors. <i>Nature Physics</i> , 2016, 12, 355-360.   | 6.5  | 112       |
| 18 | Characterization of electron beams produced by ultrashort (30 fs) laser pulses. <i>Physics of Plasmas</i> , 2001, 8, 2605-2608.   | 0.7  | 107       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Terahertz radiation from laser accelerated electron bunches. <i>Physics of Plasmas</i> , 2004, 11, 2899-2906.   | 0.7 | 106       |
| 20 | Wave-front correction of femtosecond terawatt lasers by deformable mirrors. <i>Optics Letters</i> , 1998, 23, 1043.   | 1.7 | 104       |
| 21 | Observation of a Hot High-Current Electron Beam from a Self-Modulated Laser Wakefield Accelerator. <i>Physical Review Letters</i> , 2001, 86, 1227-1230.  | 2.9 | 95        |
| 22 | Modelling Laser-Based Table-Top THz Sources: Optical Rectification, Propagation and Electro-Optic Sampling. <i>Optical and Quantum Electronics</i> , 2004, 36, 681-697.                                   | 1.5 | 94        |
| 23 | 2020 roadmap on plasma accelerators. <i>New Journal of Physics</i> , 2021, 23, 031101.  | 1.2 | 89        |
| 24 | Proposed scheme for compact GeV laser plasma accelerator. <i>Laser and Particle Beams</i> , 2006, 24, 255-259.  | 0.4 | 80        |
| 25 | Full characterization and optimization of a femtosecond ultraviolet laser source for time and angle-resolved photoemission on solid surfaces. <i>Review of Scientific Instruments</i> , 2012, 83, 043109. | 0.6 | 80        |
| 26 | Temporal contrast in Ti:sapphire lasers, characterization and control. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1998, 4, 449-458.  | 1.9 | 75        |
| 27 | Study of Ultraintense Laser-Produced Fast-Electron Propagation and Filamentation in Insulator and Metal Foil Targets by Optical Emission Diagnostics. <i>Physical Review Letters</i> , 2006, 96, 125002.  | 2.9 | 75        |
| 28 | Observation of Beam Loading in a Laser-Plasma Accelerator. <i>Physical Review Letters</i> , 2009, 103, 194804.  | 2.9 | 74        |
| 29 | Cold Optical Injection Producing Monoenergetic, Multi-GeV Electron Bunches. <i>Physical Review Letters</i> , 2009, 102, 065001.   | 2.9 | 71        |
| 30 | Coherent Phonon Coupling to Individual Bloch States in Photoexcited Bismuth. <i>Physical Review Letters</i> , 2012, 108, 256808.  | 2.9 | 70        |
| 31 | A review of recent progress on laser-plasma acceleration at kHz repetition rate. <i>Plasma Physics and Controlled Fusion</i> , 2019, 61, 014012.  | 0.9 | 70        |
| 32 | Fast-electron transport and induced heating in aluminum foils. <i>Physics of Plasmas</i> , 2007, 14, .  | 0.7 | 68        |
| 33 | Radiotherapy with laser-plasma accelerators: Monte Carlo simulation of dose deposited by an experimental quasimonoenergetic electron beam. <i>Medical Physics</i> , 2005, 33, 155-162.                    | 1.6 | 65        |
| 34 | Relativistic-intensity near-single-cycle light waveforms at kHz repetition rate. <i>Light: Science and Applications</i> , 2020, 9, 47.  | 7.7 | 62        |
| 35 | Monoenergetic electron beam optimization in the bubble regime. <i>Physics of Plasmas</i> , 2005, 12, 056702.  | 0.7 | 61        |
| 36 | Treatment planning for laser-accelerated very-high energy electrons. <i>Physics in Medicine and Biology</i> , 2009, 54, 3315-3328.  | 1.6 | 60        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | High repetition-rate wakefield electron source generated by few-millijoule, 30 fs laser pulses on a density downramp. <i>New Journal of Physics</i> , 2013, 15, 053016. | 1.2 | 60        |
| 38 | Effects of pulse duration on self-focusing of ultra-short lasers in underdense plasmas. <i>Physics of Plasmas</i> , 2002, 9, 756-759.                                   | 0.7 | 57        |
| 39 | Significant Reduction of Electronic Correlations upon Isovalent Ru Substitution of $\text{BaFe}_2\text{As}_2$ . <i>Physical Review Letters</i> , 2010, 105, 087001.     | 2.9 | 57        |
| 40 | Electron diffraction using ultrafast electron bunches from a laser-wakefield accelerator at kHz repetition rate. <i>Applied Physics Letters</i> , 2013, 102, .          | 1.5 | 57        |
| 41 | Compton scattering x-ray sources driven by laser wakefield acceleration. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2007, 10, .                    | 1.8 | 55        |
| 42 | Exploring ultrashort high-energy electron-induced damage in human carcinoma cells. <i>Cell Death and Disease</i> , 2010, 1, e73-e73.                                    | 2.7 | 55        |
| 43 | Frequency chirp and pulse shape effects in self-modulated laser wakefield accelerators. <i>Physics of Plasmas</i> , 2003, 10, 2039-2046.                                | 0.7 | 54        |
| 44 | Laser-driven accelerators by colliding pulses injection: A review of simulation and experimental results. <i>Physics of Plasmas</i> , 2009, 16, 056703.                 | 0.7 | 53        |
| 45 | Compact and high-quality gamma-ray source applied to 10 $\mu\text{m}$ -range resolution radiography. <i>Applied Physics Letters</i> , 2011, 98, .                       | 1.5 | 53        |
| 46 | Ultra-short electron beams based spatio-temporal radiation biology and radiotherapy. <i>Mutation Research - Reviews in Mutation Research</i> , 2010, 704, 142-151.      | 2.4 | 51        |
| 47 | Direct observation of electron thermalization and electron-phonon coupling in photoexcited bismuth. <i>Physical Review B</i> , 2013, 88, .                              | 1.1 | 48        |
| 48 | Controlled Betatron X-Ray Radiation from Tunable Optically Injected Electrons. <i>Physical Review Letters</i> , 2011, 107, 255003.                                      | 2.9 | 47        |
| 49 | Generation of quasi-monoenergetic electron beams using ultrashort and ultraintense laser pulses. <i>Laser and Particle Beams</i> , 2005, 23, 161-166.                   | 0.4 | 45        |
| 50 | Direct observation of betatron oscillations in a laser-plasma electron accelerator. <i>Europhysics Letters</i> , 2008, 81, 64001.                                       | 0.7 | 43        |
| 51 | Recent experiments on the hydrodynamics of laser-produced plasmas conducted at the PALS laboratory. <i>Laser and Particle Beams</i> , 2007, 25, 127-141.                | 0.4 | 42        |
| 52 | High-charge relativistic electron bunches from a kHz laser-plasma accelerator. <i>Physical Review Accelerators and Beams</i> , 2018, 21, .                              | 0.6 | 41        |
| 53 | Observation of Fine Structures in Laser-Driven Electron Beams Using Coherent Transition Radiation. <i>Physical Review Letters</i> , 2007, 98, 194801.                   | 2.9 | 39        |
| 54 | GeV Wakefield acceleration of low energy electron bunches using Petawatt lasers. <i>Physics of Plasmas</i> , 2005, 12, 093104.  | 0.7 | 38        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 55 | Mapping the X-Ray Emission Region in a Laser-Plasma Accelerator. <i>Physical Review Letters</i> , 2011, 107, 215004.   | 2.9 | 37        |
| 56 | Dynamics of Raman instabilities using chirped laser pulses. <i>Physical Review E</i> , 2001, 63, 065401.   | 0.8 | 36        |
| 57 | Simulation of quasimonoeenergetic electron beams produced by colliding pulse wakefield acceleration. <i>Physics of Plasmas</i> , 2008, 15, .                                       | 0.7 | 36        |
| 58 | Thermalization of photoexcited carriers in bismuth investigated by time-resolved terahertz spectroscopy and <i>ab initio</i> calculations. <i>Physical Review B</i> , 2012, 85, .  | 1.1 | 34        |
| 59 | Comparison of measured with calculated dose distribution from a 120 MeV electron beam from a laser-plasma accelerator. <i>Medical Physics</i> , 2012, 39, 3501-3508.               | 1.6 | 34        |
| 60 | Experimental Measurements of Electron-Bunch Trains in a Laser-Plasma Accelerator. <i>Physical Review Letters</i> , 2013, 110, 065005.  | 2.9 | 34        |
| 61 | Staged concept of laser-plasma acceleration toward multi-GeV electron beams. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2006, 9, .                            | 1.8 | 33        |
| 62 | Demonstration of stable long-term operation of a kilohertz laser-plasma accelerator. <i>Physical Review Accelerators and Beams</i> , 2020, 23, .                                   | 0.6 | 32        |
| 63 | Ensuring compactness, reliability, and scalability for the next generation of high-field lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 1998, 4, 376-384. | 1.9 | 31        |
| 64 | Giant Anisotropy of Spin-Orbit Splitting at the Bismuth Surface. <i>Physical Review Letters</i> , 2012, 109, 226404.   | 2.9 | 31        |
| 65 | Enhanced Spatiotemporal Laser-Beam Smoothing in Gas-Jet Plasmas. <i>Physical Review Letters</i> , 2003, 90, 075002.  | 2.9 | 30        |
| 66 | Electron acceleration in sub-relativistic wakefields driven by few-cycle laser pulses. <i>New Journal of Physics</i> , 2014, 16, 023023.   | 1.2 | 30        |
| 67 | Spatial-domain interferometer for measuring plasma mirror expansion. <i>Optics Letters</i> , 2015, 40, 3009.   | 1.7 | 28        |
| 68 | Anticorrelated Emission of High Harmonics and Fast Electron Beams From Plasma Mirrors. <i>Physical Review Letters</i> , 2016, 116, 185001.   | 2.9 | 28        |
| 69 | Concept of a laser-plasma-based electron source for sub-10-fs electron diffraction. <i>Physical Review Accelerators and Beams</i> , 2016, 19, .                                    | 0.6 | 28        |
| 70 | Capturing Structural Dynamics in Crystalline Silicon Using Chirped Electrons from a Laser Wakefield Accelerator. <i>Scientific Reports</i> , 2016, 6, 36224.                       | 1.6 | 27        |
| 71 | Interaction of an ultra-intense laser pulse with a nonuniform preformed plasma. <i>Physics of Plasmas</i> , 2000, 7, 3009-3016.  | 0.7 | 26        |
| 72 | Laser-plasma accelerators: a new tool for science and for society. <i>Plasma Physics and Controlled Fusion</i> , 2005, 47, B481-B490.  | 0.9 | 26        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Relativistic Acceleration of Electrons Injected by a Plasma Mirror into a Radially Polarized Laser Beam. <i>Physical Review Letters</i> , 2017, 119, 094801.   | 2.9 | 26        |
| 74 | Plasma wake inhibition at the collision of two laser pulses in an underdense plasma. <i>Physics of Plasmas</i> , 2007, 14, 060702.   | 0.7 | 25        |
| 75 | Characterization of the beam loading effects in a laser plasma accelerator. <i>New Journal of Physics</i> , 2010, 12, 045023.  | 1.2 | 23        |
| 76 | Tuning of laser pulse shapes in grating-based compressors for optimal electron acceleration in plasmas. <i>Optics Letters</i> , 2003, 28, 1823.  | 1.7 | 21        |
| 77 | Effect of the Laser Wave Front in a Laser-Plasma Accelerator. <i>Physical Review X</i> , 2015, 5, .  | 2.8 | 21        |
| 78 | On the physics of electron ejection from laser-irradiated overdense plasmas. <i>Physics of Plasmas</i> , 2016, 23, .   | 0.7 | 21        |
| 79 | A spatially dispersive regenerative amplifier for ultrabroadband pulses. <i>Optics Communications</i> , 1999, 159, 68-73.  | 1.0 | 20        |
| 80 | Ultrashort laser pulses and ultrashort electron bunches generated in relativistic laser-plasma interaction. <i>Physics of Plasmas</i> , 2006, 13, 056706.  | 0.7 | 20        |
| 81 | High flux of relativistic electrons produced in femtosecond laser-thin foil target interactions: Characterization with nuclear techniques. <i>Review of Scientific Instruments</i> , 2008, 79, 023504.                               | 0.6 | 19        |
| 82 | Laser-plasma accelerator: status and perspectives. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2006, 364, 601-610.  | 1.6 | 17        |
| 83 | Quasi-monoenergetic electron beams produced by colliding cross-polarized laser pulses in underdense plasmas. <i>New Journal of Physics</i> , 2009, 11, 013011.   | 1.2 | 17        |
| 84 | Identifying observable carrier-envelope phase effects in laser wakefield acceleration with near-single-cycle pulses. <i>Physics of Plasmas</i> , 2021, 28, .   | 0.7 | 16        |
| 85 | Optimization of gamma-ray beams produced by a laser-plasma accelerator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 629, 382-386. | 0.7 | 14        |
| 86 | Ultrafast filling of an electronic pseudogap in an incommensurate crystal. <i>Physical Review B</i> , 2013, 87, .  | 1.1 | 14        |
| 87 | Characterization of plasmas produced by laser-gas jet interaction. <i>Physics of Plasmas</i> , 2001, 8, 3467-3472.   | 0.7 | 13        |
| 88 | Controlled electron injection in a laser-plasma accelerator. <i>Plasma Physics and Controlled Fusion</i> , 2007, 49, B395-B402.  | 0.9 | 13        |
| 89 | Transport of intense laser-produced electron beams in matter. <i>Plasma Physics and Controlled Fusion</i> , 2006, 48, B211-B220.   | 0.9 | 12        |
| 90 | Betatron emission as a diagnostic for injection and acceleration mechanisms in laser plasma accelerators. <i>Plasma Physics and Controlled Fusion</i> , 2012, 54, 124023.  | 0.9 | 12        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Production of energetic proton beams with lasers. <i>Review of Scientific Instruments</i> , 2006, 77, 03B302.  | 0.6 | 11        |
| 92  | Circular Dichroism and Superdiffusive Transport at the Surface of BiTeI. <i>Physical Review Letters</i> , 2013, 111, 126603.   | 2.9 | 11        |
| 93  | Optimization and stabilization of a kilohertz laser-plasma accelerator. <i>Physics of Plasmas</i> , 2021, 28, .  | 0.7 | 11        |
| 94  | High-Harmonic Generation and Correlated Electron Emission from Relativistic Plasma Mirrors at 1â€‰kHz Repetition Rate. <i>Ultrafast Science</i> , 2022, 2022, .  | 5.8 | 11        |
| 95  | New aspects of electronic excitations at the bismuth surface: Topology, thermalization and coupling to coherent phonons. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 201, 60-65.     | 0.8 | 9         |
| 96  | Interaction of Ultraintense Radially-Polarized Laser Pulses with Plasma Mirrors. <i>Physical Review X</i> , 2020, 10, .  | 2.8 | 9         |
| 97  | Direct evidence of gas-induced laser beam smoothing in the interaction with thin foils. <i>Physics of Plasmas</i> , 2009, 16, .  | 0.7 | 8         |
| 98  | Few-cycle laser wakefield acceleration on solid targets with controlled plasma scale length. <i>Physics of Plasmas</i> , 2019, 26, .   | 0.7 | 8         |
| 99  | Dosimetric characterisation and application to radiation biology of a kHz laser-driven electron beam. <i>Applied Physics B: Lasers and Optics</i> , 2021, 127, 1.  | 1.1 | 8         |
| 100 | Waveform Control of Relativistic Electron Dynamics in Laser-Plasma Acceleration. <i>Physical Review X</i> , 2022, 12, .  | 2.8 | 8         |
| 101 | Spatiotemporal dynamics of ultrarelativistic beam-plasma instabilities. <i>Physical Review Research</i> , 2022, 4, .   | 1.3 | 8         |
| 102 | Fast electron energy deposition in aluminium foils: Resistive vs. drag heating. <i>European Physical Journal: Special Topics</i> , 2009, 175, 71-76.   | 1.2 | 6         |
| 103 | Limitations in ionization-induced compression of femtosecond laser pulses due to spatio-temporal couplings. <i>Optics Express</i> , 2016, 24, 9693.  | 1.7 | 6         |
| 104 | Symmetric and asymmetric shocked gas jets for laser-plasma experiments. <i>Review of Scientific Instruments</i> , 2021, 92, 083302.  | 0.6 | 6         |
| 105 | Interaction of ultraintense laser pulses with an underdense, preformed plasma channel. <i>IEEE Transactions on Plasma Science</i> , 2000, 28, 1078-1083.   | 0.6 | 5         |
| 106 | Powerful pulsed THz radiation from laser-accelerated relativistic electron bunches. , 2004, , .  |     | 5         |
| 107 | Design of a compact GeV laser plasma accelerator. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 561, 310-313. | 0.7 | 4         |
| 108 | Measurements of magnetic fields generated in underdense plasmas by intense lasers. <i>AIP Conference Proceedings</i> , 2006, , .   | 0.3 | 4         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | Experiments and Simulations of the Colliding Pulse Injection of Electrons in Plasma Wakefields. IEEE Transactions on Plasma Science, 2008, 36, 1751-1759.  | 0.6 | 4         |
| 110 | Ultra-high-intensity laser propagation through underdense plasma. IEEE Transactions on Plasma Science, 2002, 30, 44-45.  | 0.6 | 3         |
| 111 | Physics of colliding laser pulses in underdense plasmas. Comptes Rendus Physique, 2009, 10, 148-158.   | 0.3 | 3         |
| 112 | Propagation of a randomized 600-ps laser beam in a helium gas jet over long scale lengths. Physical Review E, 2001, 64, 026404.  | 0.8 | 2         |
| 113 | Laser WakeField Acceleration of 170 MeV Quasi-Monoenergetic Electron Beams. , 0, , .   |     | 2         |
| 114 | Electron and Proton Beams Produced by Ultrashort Laser Pulses. , 2006, , 81-90.  |     | 2         |
| 115 | Wakefield acceleration of low energy electron bunches in the weakly nonlinear regime. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 561, 314-319. | 0.7 | 2         |
| 116 | Gas-induced smoothing of laser beams studied by interaction with thin foils. Plasma Physics and Controlled Fusion, 2008, 50, 115007.   | 0.9 | 2         |
| 117 | Smoothing of laser energy deposition by gas jets. European Physical Journal: Special Topics, 2009, 175, 65-70.   | 1.2 | 2         |
| 118 | Editorial: Lasers in Accelerator Science and Secondary Emission Light Source Technology. Frontiers in Physics, 2019, 7, .  | 1.0 | 2         |
| 119 | Multi-MeV laser-produced particle sources: Characterization by activation techniques. European Physical Journal Special Topics, 2006, 133, 1139-1141.  | 0.2 | 2         |
| 120 | Accelerator Optimization Using a Network Control and Acquisition System. AIP Conference Proceedings, 2002, , .   | 0.3 | 1         |
| 121 | The production of high-energy electrons from the interaction of an intense laser pulse with an underdense plasma. Journal of Modern Optics, 2003, 50, 673-681.   | 0.6 | 1         |
| 122 | 78 Radiotherapy with an existing electron beam produced by laser-plasma interaction. Radiotherapy and Oncology, 2005, 76, S46.   | 0.3 | 1         |
| 123 | Production and applications of quasi-monoenergetic electron bunches in laser-plasma based accelerators. AIP Conference Proceedings, 2006, , .  | 0.3 | 1         |
| 124 | GeV MONOENERGETIC ELECTRON BEAM WITH LASER PLASMA ACCELERATOR. International Journal of Modern Physics B, 2007, 21, 277-286.   | 1.0 | 1         |
| 125 | Current advances in smoothing of laser intensity profile. Radiation Effects and Defects in Solids, 2008, 163, 307-315.   | 0.4 | 1         |
| 126 | Ultrashort relativistic electron bunches and spatio-temporal radiation biology. Proceedings of SPIE, 2008, , .   | 0.8 | 1         |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Laser non-uniformity smoothing using gas jets. Journal of Physics: Conference Series, 2008, 112, 022045.  | 0.3 | 1         |
| 128 | Principle and applications of electron beams produced with laser plasma accelerators. Journal of Physics: Conference Series, 2008, 112, 042029.   | 0.3 | 1         |
| 129 | Femto-second ultrashort laser wakefield electron bunch-duration measurements: a prism-based dispersion visible-to-IR spectrometer. Proceedings of SPIE, 2009, , .                                     | 0.8 | 1         |
| 130 | A high-repetition-rate laser-wakefield accelerator for studies of electron acceleration. Proceedings of SPIE, 2013, , .   | 0.8 | 1         |
| 131 | Characterization of ultraintense laser produced fast electron propagation in insulators vs. conductors by optical emission diagnostics. European Physical Journal Special Topics, 2006, 133, 499-502. | 0.2 | 1         |
| 132 | Medical applications with electron beam generated by laser plasma accelerators. , 2008, , .   |     | 1         |
| 133 | Ultrahigh intensity laser: Present and future. , 1998, , .  |     | 0         |
| 134 | <title>Electron source produced in the self-modulated laser wake field regime</title>. , 2001, 4424, 446.   |     | 0         |
| 135 | Shape-Control of Ultrashort Laser Pulses for Optimal Electron Acceleration in Plasmas. AIP Conference Proceedings, 2002, , .  | 0.3 | 0         |
| 136 | Electron Acceleration Mechanisms in the Interaction of Ultrashort Laser Pulses with Underdense Plasmas: Experiments and Simulations. AIP Conference Proceedings, 2002, , .                            | 0.3 | 0         |
| 137 | Shaping of pulses in optical grating-based laser systems for optimal control of electrons in laser plasma wake-field accelerator. , 0, , .  |     | 0         |
| 138 | Progress and Applications of Laser Plasmas Accelerators. , 2005, , JTUB1.   |     | 0         |
| 139 | High quality electron beam produced by laser: A new tool for science. European Physical Journal Special Topics, 2006, 135, 67-73.   | 0.2 | 0         |
| 140 | Ultra Intense Laser Produced Fast Electron Propagation and Filamentation in Insulators vs Conductors by Optical Emission Diagnostics. AIP Conference Proceedings, 2006, , .                           | 0.3 | 0         |
| 141 | Controlled injection of electrons in a plasma wave. , 2007, , .   |     | 0         |
| 142 | Injection of electrons into plasma waves by colliding laser pulses into an underdense plasma. , 2007, , .   |     | 0         |
| 143 | Fast electron transport and induced heating in aluminium foils. Journal of Physics: Conference Series, 2008, 112, 022088.   | 0.3 | 0         |
| 144 | Publisher's Note: Controlled Betatron X-Ray Radiation from Tunable Optically Injected Electrons [Phys. Rev. Lett.107, 255003 (2011)]. Physical Review Letters, 2012, 108, .                           | 2.9 | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 145 | Control and Mapping of X-Ray Emission in a Laser-Plasma Accelerator. , 2012, , .   |     | 0         |
| 146 | Development of a high repetition rate laser-plasma accelerator for application to ultrafast electron diffraction. , 2014, , .  |     | 0         |
| 147 | Direct measurement of plasma mirror expansion for controlled laser-driven electron and harmonic beams. , 2015, , .   |     | 0         |
| 148 | Shaping Electron Bunches at the Femtosecond Level. Physics Magazine, 2018, 11, .   | 0.1 | 0         |
| 149 | Simultaneous measurements of high-order harmonics, accelerated electrons and protons emitted from relativistic plasma mirrors. , 2021, , .                             |     | 0         |
| 150 | Evolution of pulse shapes during compressor scans in a CPA system and control of electron acceleration in plasmas. Springer Series in Chemical Physics, 2003, , 28-30. | 0.2 | 0         |
| 151 | Asymmetric Pulse Shapes in Grating-Based CPA Compressors and Optimal Electron Acceleration in Plasmas. Springer Series in Optical Sciences, 2004, , 349-354.           | 0.5 | 0         |
| 152 | TH-C-T-6C-10: Simulation of Dosimetric Properties of Very-High Energy Laser-Accelerated Electron Beams. Medical Physics, 2005, 32, 2163-2164.                          | 1.6 | 0         |
| 153 | TUâ€Dâ€BRAâ€O3: Laserâ€Accelerated Electrons for Radiation Therapy. Medical Physics, 2007, 34, 2562-2562.  | 1.6 | 0         |
| 154 | Diffraction of Electron Pulses Generated in a Laser-Wakefield Accelerator at 0.5 kHz. , 2013, , .  |     | 0         |
| 155 | Coherent phonon dynamics in misfit-layered chalcogenide LaVS3 crystal. , 2018, , .   |     | 0         |
| 156 | Towards single-cycle relativistic optics at high repetition rate. , 2020, , .  |     | 0         |
| 157 | Time-resolved structural dynamics of the out-of-equilibrium charge density wave phase transition in GdTe <sub>3</sub> . Structural Dynamics, 2022, 9, 014502.          | 0.9 | 0         |
| 158 | Carrier-Envelope Phase Controlled Electron Dynamics in a Laser-Wakefield Accelerator. , 2022, , .  |     | 0         |
| 159 | High average power TiSa amplifier for high energy, high repetition rate laser plasma accelerator. , 2022, , .  |     | 0         |