

# Atsushi Sunahara

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1217833/atsushi-sunahara-publications-by-year.pdf>

**Version:** 2024-04-28

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

246  
papers

4,006  
citations

32  
h-index

57  
g-index

277  
ext. papers

4,389  
ext. citations

2.1  
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4.27  
L-index

| #   | Paper   | IF  | Citations |
|-----|---|-----|-----------|
| 246 | Dynamics of ultrafast heated radiative plasmas driven by petawatt laser light. <i>Plasma Physics and Controlled Fusion</i> , <b>2022</b> , 64, 035004   | 2   |           |
| 245 | Time-resolved two-dimensional measurements of the electron density, electron temperature, and drift velocity of laser-produced carbon plasmas using the ion feature of collective laser Thomson scattering. <i>Applied Physics Express</i> , <b>2021</b> , 14, 066001 | 2.4 | 0         |
| 244 | Hot Electron and Ion Spectra in Axial and Transverse Laser Irradiation in the GXII-LFEX Direct Fast Ignition Experiment. <i>Plasma and Fusion Research</i> , <b>2021</b> , 16, 2404076-2404076  | 0.5 | 0         |
| 243 | Adaptation of TCAD simulation in excimer laser doping. <i>Japanese Journal of Applied Physics</i> , <b>2021</b> , 60, 086502  | 1.4 | 2         |
| 242 | Intensification of laser-produced relativistic electron beam using converging magnetic fields for ignition in fast ignition laser fusion. <i>High Energy Density Physics</i> , <b>2020</b> , 36, 100841   | 1.2 | 2         |
| 241 | Observation of water-window soft x-ray emission from laser-produced Au plasma under optically thin condition. <i>High Energy Density Physics</i> , <b>2020</b> , 37, 100845   | 1.2 | 0         |
| 240 | PIC simulation for dense high Z plasma formation with ultrashort petawatt laser including radiation processes. <i>High Energy Density Physics</i> , <b>2020</b> , 36, 100816  | 1.2 | 2         |
| 239 | Electron temperature and soft x-ray intensity scaling in laser heavy element plasma interaction. <i>AIP Advances</i> , <b>2020</b> , 10, 065306   | 1.5 | 2         |
| 238 | Petapascal Pressure Driven by Fast Isochoric Heating with a Multipicosecond Intense Laser Pulse. <i>Physical Review Letters</i> , <b>2020</b> , 124, 035001   | 7.4 | 13        |
| 237 | Monte Carlo particle collision model for qualitative analysis of neutron energy spectra from anisotropic inertial confinement fusion. <i>High Energy Density Physics</i> , <b>2020</b> , 36, 100803   | 1.2 | 2         |
| 236 | Numerical analysis on a conical shaped target for laser fusion rocket. <i>High Energy Density Physics</i> , <b>2020</b> , 37, 100894  | 1.2 |           |
| 235 | A numerical study on the pulse duration dependence of a magnetic field generated using a laser-driven capacitor-coil target. <i>High Energy Density Physics</i> , <b>2020</b> , 36, 100818  | 1.2 | 1         |
| 234 | Charge-separated spectra of suprathermal highly charged bismuth ions in a dual laser-produced plasma soft x-ray source. <i>Review of Scientific Instruments</i> , <b>2020</b> , 91, 086103  | 1.7 | 0         |
| 233 | Verification of fast heating of core plasmas produced by counter-illumination of implosion lasers. <i>High Energy Density Physics</i> , <b>2020</b> , 37, 100890  | 1.2 | 0         |
| 232 | Silicon twisted cone structure produced by optical vortex pulse with structure evaluation by radiation hydrodynamic simulation. <i>Scientific Reports</i> , <b>2020</b> , 10, 20512   | 4.9 | 0         |
| 231 | Electromagnetic field growth triggering super-ponderomotive electron acceleration during multi-picosecond laser-plasma interaction. <i>Communications Physics</i> , <b>2019</b> , 2,  | 5.4 | 8         |
| 230 | Enhanced heat transport in ablation plasma under transverse magnetic field by upper hybrid resonance heating. <i>High Energy Density Physics</i> , <b>2019</b> , 30, 8-12   | 1.2 | 1         |

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| 229 | A spherical shell pellet injection system for repetitive laser engagement. <i>Nuclear Fusion</i> , <b>2019</b> , 59, 0960223  | 3.3  | 1  |
| 228 | Kinetic model for color-center formation in TiO <sub>2</sub> film using femtosecond laser irradiation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2019</b> , 37, 031512 | 2.9  | 0  |
| 227 | Enhancement of water-window soft x-ray emission from laser-produced Au plasma under low-pressure nitrogen atmosphere. <i>Optics Letters</i> , <b>2019</b> , 44, 1439-1442                                       | 3    | 5  |
| 226 | Optimized highly charged ion production for strong soft x-ray sources obeying a quasi-Moseley law. <i>AIP Advances</i> , <b>2019</b> , 9, 115315  | 1.5  | 4  |
| 225 | Efficient laser acceleration of deuteron ions through optimization of pre-plasma formation for neutron source development. <i>Plasma Physics and Controlled Fusion</i> , <b>2019</b> , 61, 025002               | 2    | 6  |
| 224 | Modification of single-crystalline yttria-stabilised zirconia induced by radiation heating from laser-produced plasma. <i>Journal Physics D: Applied Physics</i> , <b>2019</b> , 52, 105202                     | 3    | 1  |
| 223 | 1-Hz Bead-Pellet Injection System for Fusion Reaction Engaged by a Laser HAMA Using Ultra-Intense Counter Beams. <i>Fusion Science and Technology</i> , <b>2019</b> , 75, 36-48                                 | 1.1  | 5  |
| 222 | Effects of Equation of State on Fluid Simulations for Laser-Produced Plasmas. <i>Springer Proceedings in Physics</i> , <b>2018</b> , 213-217  | 0.2  |    |
| 221 | Modeling of Ablation of the Target Material for the Plasma for Coherent and Incoherent EUV Sources. <i>Springer Proceedings in Physics</i> , <b>2018</b> , 373-376  | 0.2  |    |
| 220 | Experimental demonstration of ion extraction from magnetic thrust chamber for laser fusion rocket. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 050303  | 1.4  | 1  |
| 219 | Influence of short pulse duration of carbon dioxide lasers on extreme ultraviolet emission from laser-produced plasmas. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 070311                   | 1.4  | 4  |
| 218 | Emission of water-window soft x-rays under optically thin conditions using low-density foam targets. <i>Optics Letters</i> , <b>2018</b> , 43, 3750-3753  | 3    | 9  |
| 217 | Thomson Scattering Measurement of Laser-Produced Plasma in a Magnetic Thrust Chamber. <i>Plasma and Fusion Research</i> , <b>2018</b> , 13, 1306016-1306016   | 0.5  | 1  |
| 216 | Whispering Gallery Effect in Relativistic Optics. <i>JETP Letters</i> , <b>2018</b> , 107, 351-354  | 1.2  | 4  |
| 215 | 3 × 10 <sup>8</sup> D-D Neutron Generation by High-Intensity Laser Irradiation onto the Inner Surface of Spherical CD Shells. <i>Plasma and Fusion Research</i> , <b>2018</b> , 13, 2401028-2401028             | 0.5  |    |
| 214 | Intense water-window soft x-ray emission by spectral control using dual laser pulses. <i>Optics Express</i> , <b>2018</b> , 26, 27748-27756   | 3.3  | 6  |
| 213 | Magnetized fast isochoric laser heating for efficient creation of ultra-high-energy-density states. <i>Nature Communications</i> , <b>2018</b> , 9, 3937  | 17.4 | 53 |
| 212 | Numerical analysis of pulsed magnetic field diffusion dynamics in gold cone target. <i>Physics of Plasmas</i> , <b>2018</b> , 25, 094505  | 2.1  | 7  |

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|-----|--|-----|----|
| 211 | Improvement in the heating efficiency of fast ignition inertial confinement fusion through suppression of the preformed plasma. <i>Nuclear Fusion</i> , <b>2017</b> , 57, 066022                                     | 3.3 | 3  |
| 210 | Validation of thermal conductivity in magnetized plasmas using particle-in-cell simulations. <i>Physics of Plasmas</i> , <b>2017</b> , 24, 042117  | 2.1 | 3  |
| 209 | Compression and electron beam heating of solid target under the external magnetic field for fast ignition. <i>Nuclear Fusion</i> , <b>2017</b> , 57, 086009  | 3.3 | 5  |
| 208 | Time-resolved two-dimensional profiles of electron density and temperature of laser-produced tin plasmas for extreme-ultraviolet lithography light sources. <i>Scientific Reports</i> , <b>2017</b> , 7, 12328       | 4.9 | 17 |
| 207 | Control of unsteady laser-produced plasma-flow with a multiple-coil magnetic nozzle. <i>Scientific Reports</i> , <b>2017</b> , 7, 8910   | 4.9 | 7  |
| 206 | A numerical model for investigation of emission of particle debris from laser-irradiated metal targets. <i>AIP Advances</i> , <b>2017</b> , 7, 095005  | 1.5 |    |
| 205 | Fast heating of fuel assembled in a spherical deuterated polystyrene shell target by counter-irradiating tailored laser pulses delivered by a HAMA 1 Hz ICF driver. <i>Nuclear Fusion</i> , <b>2017</b> , 57, 116031 | 3.3 | 6  |
| 204 | Integrated simulation of magnetic-field-assist fast ignition laser fusion. <i>Plasma Physics and Controlled Fusion</i> , <b>2017</b> , 59, 014045  | 2   | 15 |
| 203 | Production of intense, pulsed, and point-like neutron source from deuterated plastic cavity by mono-directional kilo-joule laser irradiation. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 233506             | 3.4 | 8  |
| 202 | Direct heating of a laser-imploded core using ultraintense laser LFEX. <i>Nuclear Fusion</i> , <b>2017</b> , 57, 076030  | 3.3 | 0  |
| 201 | Ultrahigh-contrast kilojoule-class petawatt LFEX laser using a plasma mirror <b>2016</b> , 55, 6850  |     | 25 |
| 200 | Characteristics of the soft X-ray emission from laser-produced highly charged platinum plasmas. <i>Applied Physics Express</i> , <b>2016</b> , 9, 066201   | 2.4 | 6  |
| 199 | The Measurement of Plasma Structure in a Magnetic Thrust Chamber. <i>Plasma and Fusion Research</i> , <b>2016</b> , 11, 3406012-3406012  | 0.5 | 4  |
| 198 | Electron beam guiding by external magnetic fields in imploded fuel plasma. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012025  | 0.3 | 1  |
| 197 | Magneto-hydrodynamic behavior of capacitor-coil target toward alternative inertial confinement fusion. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012078                                      | 0.3 |    |
| 196 | The diagnostics of the energy coupling efficiency in the Fast Ignition integrated experiment. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012004   | 0.3 |    |
| 195 | Enhancement of fast electron energy deposition by external magnetic fields. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012033   | 0.3 | 3  |
| 194 | Electron beam guiding by strong longitudinal magnetic fields. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012041   | 0.3 | 4  |

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| 193 | Quantitative K $\alpha$ line spectroscopy for energy transport in ultra-intense laser plasma interaction. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012132                       | 0.3 |   |
| 192 | Modeling of initial interaction between the laser pulse and Sn droplet target and pre-plasma formation for the LPP EUV source <b>2016</b> ,  |     | 1 |
| 191 | Repetitive Solid Spherical Pellet Injection and Irradiation toward the Repetitive-mode Fast-Ignition Fusion miniReactor CANDY.. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012026 | 0.3 | 1 |
| 190 | Mitigation of Laser Imprinting with Diamond Ablator for Direct-Drive Inertial Confinement Fusion Targets. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012107                       | 0.3 | 1 |
| 189 | Direct heating of imploded plasma in the fast ignition. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012114   | 0.3 | 1 |
| 188 | Effects of the irradiation of a finite number of laser beams on the implosion of a cone-guided target. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012127                          | 0.3 |   |
| 187 | Spectroscopic measurements of ablation plasma generated with laser-driven intense extreme ultraviolet (EUV) light. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012122              | 0.3 | 1 |
| 186 | Electron transport estimated from electron spectra using electron spectrometer in LFEX laser target experiments. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012043                | 0.3 | 0 |
| 185 | Hot electron spectra on advanced targets in FIREX. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012083  | 0.3 |   |
| 184 | Progress toward a unified kJ-machine CANDY. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012049   | 0.3 | 1 |
| 183 | Dependence of Ablative Rayleigh-Taylor Instability on High-Z Dopant Concentration. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012109  | 0.3 | 1 |
| 182 | High-density implosion via suppression of Rayleigh-Taylor instability. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012051  | 0.3 | 1 |
| 181 | Energy distribution of fast electrons accelerated by high intensity laser pulse depending on laser pulse duration. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012102              | 0.3 | 5 |
| 180 | An optimum design of implosion with external magnetic field for electron beam guiding in fast ignition. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012041                         | 0.3 | 4 |
| 179 | Plasma structure and energy dependence in a magnetic thrust chamber system. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012071   | 0.3 | 4 |
| 178 | Simulation analysis for ion assisted fast ignition using structured targets. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012046  | 0.3 |   |
| 177 | Target Monitoring and Plasma Diagnosis using 2 $\mu$ m probe beam for CANDY. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012036  | 0.3 | 1 |
| 176 | Upgrade of repetitive fast-heating fusion driver HAMA to implode a shell target by using diode pumped solid state laser. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012070        | 0.3 | 3 |

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| 175 | Integrated simulations for ion beam assisted fast ignition. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012096  | 0.3 |    |
| 174 | Atomic processes and equation of state of high Z plasmas for EUV sources and their effects on the spatial and temporal evolution of the plasmas. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012099 | 0.3 |    |
| 173 | Direct heating of compressed core by ultra-intense laser. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012055  | 0.3 | 1  |
| 172 | Development of 4.5 keV monochromatic X-ray radiography using the high-energy, picosecond LFEX laser. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012112   | 0.3 | 4  |
| 171 | Amorphous nanostructuralization in HOPG by 1014W cm <sup>-2</sup> laser. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 717, 012073   | 0.3 | 1  |
| 170 | Investigation of the ionization balance of bismuth-to-tin plasmas for the extreme ultraviolet light source based on a computer-generated collisional radiative model. <i>AIP Advances</i> , <b>2016</b> , 6, 105002       | 1.5 | 6  |
| 169 | Fast ignition realization experiment with high-contrast kilo-joule peta-watt LFEX laser and strong external magnetic field. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 056308  | 2.1 | 44 |
| 168 | Flash K $\alpha$ radiography of laser-driven solid sphere compression for fast ignition. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 254101   | 3.4 | 22 |
| 167 | Experimental demonstration of laser imprint reduction using underdense foams. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 042701  | 2.1 | 17 |
| 166 | Numerical demonstration of high-Z doping scheme on ignition-relevant scale implosion. <i>Physics of Plasmas</i> , <b>2016</b> , 23, 122705  | 2.1 | 2  |
| 165 | Magnetized Fast ignition (MFI) and Laser Plasma Interactions in Strong Magnetic Field. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 688, 012066   | 0.3 | 2  |
| 164 | Fast Heating of Imploded Core with Counterbeam Configuration. <i>Physical Review Letters</i> , <b>2016</b> , 117, 055001  | 7.4 | 14 |
| 163 | Simulated ablation of carbon wall by alpha particles for a laser fusion reactor. <i>Journal of Nuclear Materials</i> , <b>2015</b> , 459, 77-80   | 3.3 |    |
| 162 | Control of an electron beam using strong magnetic field for efficient core heating in fast ignition. <i>Nuclear Fusion</i> , <b>2015</b> , 55, 053022   | 3.3 | 35 |
| 161 | Spectroscopic observation of ablation plasma generated with a laser-driven extreme ultraviolet light source. <i>Applied Physics B: Lasers and Optics</i> , <b>2015</b> , 119, 421-425                                     | 1.9 | 4  |
| 160 | Direct heating of a laser-imploded core by ultraintense laser-driven ions. <i>Physical Review Letters</i> , <b>2015</b> , 114, 195002   | 7.4 | 19 |
| 159 | Characterization of material ablation driven by laser generated intense extreme ultraviolet light. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 114101   | 3.4 | 6  |
| 158 | Asymmetric implosion of a cone-guided target irradiated by Gekko XII laser. <i>Laser and Particle Beams</i> , <b>2015</b> , 33, 367-378   | 0.9 | 7  |

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| 157 | Computational study of magnetic field compression by laser-driven implosion. <i>Nuclear Fusion</i> , <b>2015</b> , 55, 093028   | 3.3 | 15 |
| 156 | Development of a collective Thomson scattering system for laser-produced tin plasmas for extreme-ultraviolet light sources. <i>Applied Physics Express</i> , <b>2015</b> , 8, 126101  | 2.4 | 15 |
| 155 | Heating efficiency evaluation with mimicking plasma conditions of integrated fast-ignition experiment. <i>Physical Review E</i> , <b>2015</b> , 91, 063102  | 2.4 | 23 |
| 154 | Correlation between laser absorption and radiation conversion efficiency in laser produced tin plasma. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 121103   | 3.4 | 10 |
| 153 | Numerical evaluation of a 13.5-nm high-brightness microplasma extreme ultraviolet source. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 193301   | 2.5 | 7  |
| 152 | Multilayered polycrystallization in single-crystal YSZ by laser-shock compression. <i>Journal Physics D: Applied Physics</i> , <b>2015</b> , 48, 325305   | 3   | 4  |
| 151 | Density and x-ray emission profile relationships in highly ionized high-Z laser-produced plasmas. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 121109  | 3.4 | 6  |
| 150 | Efficient extreme ultraviolet emission from one-dimensional spherical plasmas produced by multiple lasers. <i>Applied Physics Express</i> , <b>2014</b> , 7, 086202   | 2.4 | 24 |
| 149 | Implosion Simulation by Hydro Code Coupled with Laser Absorption using New Raytrace Algorithm. <i>Plasma and Fusion Research</i> , <b>2014</b> , 9, 3404090-3404090   | 0.5 |    |
| 148 | Energy Transportation by MeV Hot Electrons in Fast Ignition Plasma Driven with LFEX PW Laser. <i>Plasma and Fusion Research</i> , <b>2014</b> , 9, 1404118-1404118  | 0.5 |    |
| 147 | Laser scattered images observed from carbon plasma stagnation and following molecular formation. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 244105   | 3.4 | 4  |
| 146 | Note: development of a volume-limited dot target for a high brightness extreme ultraviolet microplasma source. <i>Review of Scientific Instruments</i> , <b>2014</b> , 85, 116104   | 1.7 | 2  |
| 145 | Effect of Magnetic Field Strength on a Magnetic Thrust Chamber System. <i>Journal of Propulsion and Power</i> , <b>2014</b> , 30, 54-61   | 1.8 | 4  |
| 144 | Hot electron spectra in hole-cone shell targets and a new proposal of the target for fast ignition in laser fusion. <i>Physica Scripta</i> , <b>2014</b> , T161, 014025   | 2.6 | 2  |
| 143 | Progress in indirect and direct-drive planar experiments on hydrodynamic instabilities at the ablation front. <i>Physics of Plasmas</i> , <b>2014</b> , 21, 122702  | 2.1 | 15 |
| 142 | Evolution of laser-produced Sn extreme ultraviolet source diameter for high-brightness source. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 074103   | 3.4 | 8  |
| 141 | Prepulse and amplified spontaneous emission effects on the interaction of a petawatt class laser with thin solid targets. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2014</b> , 745, 150-163 | 1.2 | 38 |
| 140 | Repetitive 1 Hz Fast-Heating Fusion Driver HAMA Pumped by Diode Pumped Solid State Laser. <i>The Review of Laser Engineering</i> , <b>2014</b> , 42, 154  | 0   |    |

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| 139 | Progress of Extreme Ultraviolet (EUV) Source Development for Micro-Lithography. <i>The Review of Laser Engineering</i> , <b>2014</b> , 42, 14  | 0   |     |
| 138 | Numerical Simulation for Laser Processing. <i>Journal of the Japan Society for Precision Engineering</i> , <b>2014</b> , 80, 824-830   | 0.1 |     |
| 137 | Extremely high-pressure generation and compression with laser implosion plasmas. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 183501  | 3.4 | 3   |
| 136 | Implosion and heating experiments of fast ignition targets by Gekko-XII and LFEX lasers. <i>EPJ Web of Conferences</i> , <b>2013</b> , 59, 01008                                       | 0.3 | 2   |
| 135 | Efficient multi-keV X-ray generation from high-contrast laser plasma interaction. <i>EPJ Web of Conferences</i> , <b>2013</b> , 59, 18003  | 0.3 |     |
| 134 | Development of laser ablation plasma by anisotropic self-radiation. <i>EPJ Web of Conferences</i> , <b>2013</b> , 59, 06005  | 0.3 |     |
| 133 | Quantitative measurement of hard X-ray spectra from laser-driven fast ignition plasma. <i>High Energy Density Physics</i> , <b>2013</b> , 9, 435-438                                   | 1.2 | 5   |
| 132 | Computational study of strong magnetic field generation in a nonspherical, cone-guided implosion. <i>Nuclear Fusion</i> , <b>2013</b> , 53, 063018                                     | 3.3 | 13  |
| 131 | 1 Hz fast-heating fusion driver HAMA pumped by a 10 J green diode-pumped solid-state laser. <i>Nuclear Fusion</i> , <b>2013</b> , 53, 073011   | 3.3 | 17  |
| 130 | Present status of fast ignition realization experiment and inertial fusion energy development. <i>Nuclear Fusion</i> , <b>2013</b> , 53, 104021  | 3.3 | 21  |
| 129 | Simulations of laser imprint reduction using underdense foams and its consequences on the hydrodynamic instability growth. <i>New Journal of Physics</i> , <b>2013</b> , 15, 085033    | 2.9 | 8   |
| 128 | A Collective Laser Thomson Scattering System for Diagnostics of Laser-Produced Plasmas for Extreme Ultraviolet Light Sources. <i>Applied Physics Express</i> , <b>2013</b> , 6, 076101 | 2.4 | 11  |
| 127 | Kilotesla magnetic field due to a capacitor-coil target driven by high power laser. <i>Scientific Reports</i> , <b>2013</b> , 3, 1170  | 4.9 | 215 |
| 126 | First demonstration of laser engagement of 1-Hz-injected flying pellets and neutron generation. <i>Scientific Reports</i> , <b>2013</b> , 3, 2561                                      | 4.9 | 16  |
| 125 | Hot Electron Spectra in Plain, Cone and Integrated Targets for FIREX-I using Electron Spectrometer. <i>Plasma and Fusion Research</i> , <b>2013</b> , 8, 2404125-2404125               | 0.5 | 2   |
| 124 | Radiation hydrodynamics simulation of high-Z doped ICF targets. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 454, 012008   | 0.3 |     |
| 123 | Design of a cone target for fast ignition. <i>EPJ Web of Conferences</i> , <b>2013</b> , 59, 03009   | 0.3 | 4   |
| 122 | Optimum design of imploded core plasma for effective fast ignition at GXII. <i>EPJ Web of Conferences</i> , <b>2013</b> , 59, 03007  | 0.3 | 1   |



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| 121 | Fast electron beam guiding for effective core heating. <i>EPJ Web of Conferences</i> , <b>2013</b> , 59, 03010  | 0.3 | 6              |
| 120 | Target Injection and Engagement for Neutron Generation at 1 Hz. <i>Plasma and Fusion Research</i> , <b>2013</b> , 8, 1205020-1205020  | 0.5 | 12             |
| 119 | Hi-rep. Counter-Illumination Fast Ignition Scheme Fusion. <i>Plasma and Fusion Research</i> , <b>2013</b> , 8, 3404047-3404047  | 0.3 | 1              |
| 118 | Analysis of Laser Wavelength and Energy Dependences of the Impulse in a Magnetic Thrust Chamber System for a Laser Fusion Rocket. <i>Transactions of the Japan Society for Aeronautical and Space Sciences</i> , <b>2013</b> , 56, 170-172  | 0.8 | 1              |
| 117 | Experimental evidence of foam homogenization. <i>Physics of Plasmas</i> , <b>2012</b> , 19, 113105  | 2.1 | 30             |
| 116 | High-energy-density plasmas generation on GEKKO-LFEX laser facility for fast-ignition laser fusion studies and laboratory astrophysics. <i>Plasma Physics and Controlled Fusion</i> , <b>2012</b> , 54, 124042  | 2   | 35             |
| 115 | Effects of CH foam preplasma on fast ignition. <i>Laser and Particle Beams</i> , <b>2012</b> , 30, 189-197  | 0.9 | 3              |
| 114 | Integrated experiments of fast ignition targets by Gekko-XII and LFEX lasers. <i>High Energy Density Physics</i> , <b>2012</b> , 8, 227-230   | 1.2 | 18             |
| 113 | Experimental Demonstration of Magnetic Thrust Chamber for a Laser Fusion Rocket. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , <b>2012</b> , 10, Pb_109-Pb_114  | 0.3 | 1 <sup>1</sup> |
| 112 | Fusion using fast heating of a compactly imploded CD core. <i>Physical Review Letters</i> , <b>2012</b> , 108, 155001   | 7.4 | 17             |
| 111 | X-ray backlight measurement of preformed plasma by kJ-class petawatt LFEX laser. <i>Journal of Applied Physics</i> , <b>2012</b> , 112, 063301  | 2.5 | 9              |
| 110 | Generation of pre-formed plasma and its reduction for fast-ignition. <i>Laser and Particle Beams</i> , <b>2012</b> , 30, 95-102   | 0.9 | 16             |
| 109 | Effects of long rarefied plasma on fast electron generation for FIREX-I targets. <i>Laser and Particle Beams</i> , <b>2012</b> , 30, 103-109  | 0.9 | 5              |
| 108 | Material Dependence on Plasma Shielding Induced by Laser Ablation. <i>Plasma and Fusion Research</i> , <b>2012</b> , 7, 2405065-2405065   | 0.5 | 5              |
| 107 | Fast ignition integrated experiments with Gekko and LFEX lasers. <i>Plasma Physics and Controlled Fusion</i> , <b>2011</b> , 53, 124029   | 2   | 46             |
| 106 | Efficient multi-keV x-ray generation from a high-Z target irradiated with a clean ultra-short laser pulse. <i>Optics Express</i> , <b>2011</b> , 19, 4560-5   | 3.3 | 17             |
| 105 | Carbon Plume Stagnation: Platform for Vapor Shield Study. <i>Fusion Science and Technology</i> , <b>2011</b> , 60, 329-333  | 1.1 | 4              |
| 104 | Present states and future prospect of fast ignition realization experiment (FIREX) with Gekko and LFEX Lasers at ILE. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 653, 84-88 | 1.2 | 10             |

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|-----|--|-----|----|
| 103 | Direct measurement of the impulse in a magnetic thrust chamber system for laser fusion rocket. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 071501   | 3.4 | 8  |
| 102 | Pre-plasma effects on core heating and enhancing heating efficiency by extended double cone for FIREX. <i>Nuclear Fusion</i> , <b>2011</b> , 51, 073022  | 3.3 | 38 |
| 101 | FIREX project and effects of self-generated electric and magnetic fields on electron-driven fast ignition. <i>Plasma Physics and Controlled Fusion</i> , <b>2010</b> , 52, 124047  | 2   | 8  |
| 100 | Comparative and quantitative study of neutral debris emanated from tin plasmas produced by neodymium-doped yttrium-aluminum-garnet and carbon dioxide laser pulses. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 111502            | 3.4 | 1  |
| 99  | Theoretical investigation of the spectrum and conversion efficiency of short wavelength extreme-ultraviolet light sources based on terbium plasmas. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 231501                            | 3.4 | 16 |
| 98  | Measurement of preheating due to radiation and nonlocal electron heat transport in laser-irradiated targets. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 032702  | 2.1 | 7  |
| 97  | Integrated simulations of core heating in cone-guiding fast ignition, FIREX-I. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 244, 022040  | 0.3 | 4  |
| 96  | Laser-produced plasmas as unique x-ray sources for industry and astrophysics. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 244, 012001   | 0.3 | 3  |
| 95  | Prepulse effects on the generation of high energy electrons in fast ignition scheme. <i>Physics of Plasmas</i> , <b>2010</b> , 17, 023106  | 2.1 | 36 |
| 94  | Modeling of radiative properties of Sn plasmas for extreme-ultraviolet source. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 113303   | 2.5 | 32 |
| 93  | Laboratory experiments on cluster/aerosol formation by colliding ablation plumes. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 244, 032033   | 0.3 | 6  |
| 92  | Controlling dynamics of imploded core plasma for fast ignition. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 244, 022050   | 0.3 |    |
| 91  | A model experiment of a double-cone target using a gap target. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 244, 042012  | 0.3 | 1  |
| 90  | Collimation of relativistic laser-generated high energy electron beams via double cone target in fast ignition scheme. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 244, 022030  | 0.3 | 1  |
| 89  | Effects of preformed plasma of CH foam on fast electron generation. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 244, 022037   | 0.3 |    |
| 88  | Effects of pre-formed plasma inside a guiding cone in fast ignition scheme. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 244, 022079   | 0.3 | 3  |
| 87  | Atomic number Z dependence of dynamics of laser-ablated materials. <i>Fusion Engineering and Design</i> , <b>2010</b> , 85, 935-939  | 1.7 | 14 |
| 86  | Magnetic Thrust Chamber Propulsion System for Controlling Laser-Produced Plasma by Magnetic Fields. <i>Transactions of the Japan Society for Aeronautical and Space Sciences Aerospace Technology Japan</i> , <b>2010</b> , 8, Tb_1-Tb_4 | 0.3 |    |

|    |   |     |     |
|----|---|-----|-----|
| 85 | Numerical study of the advanced target design for FIREX-I. <i>Nuclear Fusion</i> , <b>2009</b> , 49, 075028   | 3.3 | 7   |
| 84 | Plasma physics and laser development for the Fast-Ignition Realization Experiment (FIREX) Project. <i>Nuclear Fusion</i> , <b>2009</b> , 49, 104024   | 3.3 | 41  |
| 83 | Conceptual design of fast-ignition laser fusion reactor FALCON-D. <i>Nuclear Fusion</i> , <b>2009</b> , 49, 075006  | 3.3 | 5   |
| 82 | Atomic processes in the LPP and LA-DPP EUV sources <b>2009</b> ,  |     | 2   |
| 81 | Atomic modeling of the plasma EUV sources. <i>High Energy Density Physics</i> , <b>2009</b> , 5, 147-151  | 1.2 | 8   |
| 80 | Shock Hugoniot and temperature data for polystyrene obtained with quartz standard. <i>Physics of Plasmas</i> , <b>2009</b> , 16, 062702   | 2.1 | 40  |
| 79 | Enhancing the number of high-energy electrons deposited to a compressed pellet via double cones in fast ignition. <i>Physical Review Letters</i> , <b>2009</b> , 102, 245001  | 7.4 | 77  |
| 78 | The atomic model of the Sn plasmas for the EUV source. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 163, 012107   | 0.3 | 5   |
| 77 | Plasma physics and radiation hydrodynamics in developing an extreme ultraviolet light source for lithography. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 056708  | 2.1 | 110 |
| 76 | Rayleigh-Taylor instability growth on low-density foam targets. <i>Physics of Plasmas</i> , <b>2008</b> , 15, 092109  | 2.1 | 12  |
| 75 | Two dimensional radiation hydrodynamic simulation for extreme ultra-violet emission from laser-produced tin plasmas. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042048                             | 0.3 | 19  |
| 74 | Streaked x-ray backlighting with twin-slit imager for study of density profile and trajectory of low-density foam target filled with deuterium liquid. <i>Review of Scientific Instruments</i> , <b>2008</b> , 79, 10E916 | 1.7 | 1   |
| 73 | Pure-tin microdroplets irradiated with double laser pulses for efficient and minimum-mass extreme-ultraviolet light source production. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 241502                          | 3.4 | 67  |
| 72 | Absolute evaluation of out-of-band radiation from laser-produced tin plasmas for extreme ultraviolet lithography. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 111503   | 3.4 | 23  |
| 71 | EUV source design flexibility for lithography. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042065   | 0.3 | 1   |
| 70 | Temperature measurement of preheated planar-cryogenic targets. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 022012   | 0.3 |     |
| 69 | Advanced laser-produced EUV light source for HVM with conversion efficiency of 5-7% and B-field mitigation of ions <b>2008</b> ,  |     | 6   |
| 68 | Target design for high-density non-spherical implosion in fast ignition. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 022053   | 0.3 | 1   |

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|----|--|-----|----|
| 67 | Simulation studies for core heating properties in FIREX-I. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 022054  | 0.3 | 3  |
| 66 | EUV light source by high power laser. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042047   | 0.3 | 6  |
| 65 | Optimum laser-produced plasma for extreme ultraviolet light source. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042049   | 0.3 | 3  |
| 64 | Detailed atomic modeling of Sn plasmas for the EUV source. <i>Journal of Physics: Conference Series</i> , <b>2008</b> , 112, 042062  | 0.3 | 3  |
| 63 | e-Science in high energy density science research. <i>Fusion Engineering and Design</i> , <b>2008</b> , 83, 525-529  | 1.7 | 1  |
| 62 | Optimization of Extreme Ultraviolet Emission from Laser-Produced Tin Plasmas Based on Radiation Hydrodynamics Simulations. <i>Plasma and Fusion Research</i> , <b>2008</b> , 3, 043-043        | 0.5 | 27 |
| 61 | Atomic modeling of the plasma EUV sources. <i>High Energy Density Physics</i> , <b>2007</b> , 3, 250-255   | 1.2 | 8  |
| 60 | Simulation and design study of cryogenic cone shell target for Fast Ignition Realization Experiment (projecta). <i>Physics of Plasmas</i> , <b>2007</b> , 14, 056303                           | 2.1 | 53 |
| 59 | Reduction of the Rayleigh-Taylor instability growth with cocktail color irradiation. <i>Physics of Plasmas</i> , <b>2007</b> , 14, 122702  | 2.1 | 19 |
| 58 | Radiative Properties and Hydrodynamics of Laser Produced Tin Plasma for Efficient Extreme Ultraviolet Light Source <b>2007</b> , 607-618   |     |    |
| 57 | Low-density tin targets for efficient extreme ultraviolet light emission from laser-produced plasmas. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 161501                                | 3.4 | 55 |
| 56 | Optimum laser pulse duration for efficient extreme ultraviolet light generation from laser-produced tin plasmas. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 151501                     | 3.4 | 54 |
| 55 | Non-local electron transport in laser-produced plasmas. <i>European Physical Journal Special Topics</i> , <b>2006</b> , 133, 193-195   |     | 2  |
| 54 | Energy spectra and charge states of debris emitted from laser-produced minimum mass tin plasmas <b>2006</b> , 6151, 1051   |     | 6  |
| 53 | Analysis of the emission spectrum of Xe and Sn <b>2006</b> ,   |     | 9  |
| 52 | The formation of high-density core plasma in non-spherical implosion using high-resolution two-dimensional integrated implosion code. <i>Journal of Plasma Physics</i> , <b>2006</b> , 72, 791 | 2.7 | 6  |
| 51 | Computational study of implosion physics and target design for the fast ignition experiment FIREX-I. <i>European Physical Journal Special Topics</i> , <b>2006</b> , 133, 397-400              |     | 9  |
| 50 | Properties of ion debris emitted from laser-produced mass-limited tin plasmas for extreme ultraviolet light source applications. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 241503     | 3.4 | 68 |

|    |  |     |     |
|----|--|-----|-----|
| 49 | Characterization of density profile of laser-produced Sn plasma for 13.5nm extreme ultraviolet source. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 201501   | 3-4 | 30  |
| 48 | Characterization of extreme ultraviolet emission from laser-produced spherical tin plasma generated with multiple laser beams. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 051501                   | 3-4 | 93  |
| 47 | Opacity effect on extreme ultraviolet radiation from laser-produced tin plasmas. <i>Physical Review Letters</i> , <b>2005</b> , 95, 235004   | 7-4 | 119 |
| 46 | Properties of EUV and particle generations from laser-irradiated solid- and low-density tin targets <b>2005</b> ,  |     | 7   |
| 45 | Characterization of extreme ultraviolet emission using the fourth harmonic of a Nd:YAG laser. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 181107  | 3-4 | 35  |
| 44 | Petawatt-laser direct heating of uniformly imploded deuterated-polystyrene shell target. <i>Physical Review E</i> , <b>2005</b> , 71, 016403   | 2-4 | 21  |
| 43 | Suppression of the Rayleigh-Taylor instability and its implication for the impact ignition. <i>Plasma Physics and Controlled Fusion</i> , <b>2004</b> , 46, B245-B254                                      | 2   | 6   |
| 42 | Monochromatic imaging and angular distribution measurements of extreme ultraviolet light from laser-produced Sn and SnO <sub>2</sub> plasmas. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 1919-1921 | 3-4 | 29  |
| 41 | Suppression of Rayleigh-Taylor instability due to radiative ablation in brominated plastic targets. <i>Physics of Plasmas</i> , <b>2004</b> , 11, 2814-2822  | 2-1 | 28  |
| 40 | Present Status and Future Prospects of Laser Fusion Research at ILE Osaka University. <i>Plasma Science and Technology</i> , <b>2004</b> , 6, 2179-2184  | 1-5 | 2   |
| 39 | Suppression of the Rayleigh-Taylor instability due to self-radiation in a multiablation target. <i>Physical Review Letters</i> , <b>2004</b> , 92, 195001  | 7-4 | 67  |
| 38 | Fast plasma heating in a cone-attached geometry towards fusion ignition. <i>Nuclear Fusion</i> , <b>2004</b> , 44, S276-S283   | 3-3 | 35  |
| 37 | Estimation of emission efficiency for laser-produced EUV plasmas <b>2004</b> ,   |     | 5   |
| 36 | Dependence of EUV emission properties on laser wavelength <b>2004</b> ,  |     | 3   |
| 35 | Simulations on laser ablation and its applications <b>2004</b> ,   |     | 2   |
| 34 | Properties of EUV emissions from laser-produced tin plasmas <b>2004</b> , 5374, 912  |     | 5   |
| 33 | Theoretical simulation of extreme UV radiation source for lithography <b>2004</b> , 5374, 405  |     | 2   |
| 32 | Characterization of Extreme UV Radiation From Laser Produced Spherical Tin Plasmas for Use in Lithography. <i>Journal of Plasma and Fusion Research</i> , <b>2004</b> , 80, 325-330                        |     | 10  |

|    |   |     |     |
|----|---|-----|-----|
| 31 | Suppression of Rayleigh-Taylor Instability Using High-Z Doped Plastic Targets for Inertial Fusion Energy. <i>Journal of Plasma and Fusion Research</i> , <b>2004</b> , 80, 597-604  |     |     |
| 30 | Equation-of-state measurements of polyimide at pressures up to 5.8 TPa using low-density foam with laser-driven shock waves. <i>Physical Review E</i> , <b>2003</b> , 67, 056406  | 2.4 | 33  |
| 29 | Basic and integrated studies for fast ignition. <i>Physics of Plasmas</i> , <b>2003</b> , 10, 1925-1930   | 2.1 | 55  |
| 28 | Temporal evolution of temperature and density profiles of a laser compressed core (invited). <i>Review of Scientific Instruments</i> , <b>2003</b> , 74, 1683-1687  | 1.7 | 13  |
| 27 | First observation of density profile in directly laser-driven polystyrene targets for ablative Rayleigh-Taylor instability research. <i>Physics of Plasmas</i> , <b>2003</b> , 10, 4784-4789                              | 2.1 | 31  |
| 26 | Time-dependent electron thermal flux inhibition in direct-drive laser implosions. <i>Physical Review Letters</i> , <b>2003</b> , 91, 095003   | 7.4 | 71  |
| 25 | Ablative Rayleigh-Taylor instability at short wavelengths observed with moiré interferometry. <i>Physical Review Letters</i> , <b>2002</b> , 88, 145003   | 7.4 | 46  |
| 24 | Monochromatic x-ray imaging with bent crystals for laser fusion research. <i>Review of Scientific Instruments</i> , <b>2001</b> , 72, 744-747   | 1.7 | 15  |
| 23 | Model experiments of fast ignition with coaxial high-power laser beams <b>2001</b> ,  |     | 2   |
| 22 | Laboratory simulation of the collision of supernova 1987A with its circumstellar ring nebula. <i>Plasma Physics Reports</i> , <b>2001</b> , 27, 843-851   | 1.2 | 13  |
| 21 | Fast heating of ultrahigh-density plasma as a step towards laser fusion ignition. <i>Nature</i> , <b>2001</b> , 412, 798-802  | 9.4 | 780 |
| 20 | Fast ignitor research at the Institute of Laser Engineering, Osaka University. <i>Physics of Plasmas</i> , <b>2001</b> , 8, 2268-2274   | 2.1 | 69  |
| 19 | Blast-wave-sphere interaction using a laser-produced plasma: an experiment motivated by supernova 1987A. <i>Physical Review E</i> , <b>2001</b> , 64, 047402  | 2.4 | 19  |
| 18 | Implosion experiments of gas-filled plastic-shell targets with [ell ] = 1 drive nonuniformity at the Gekko-XII glass laser. <i>Laser and Particle Beams</i> , <b>2001</b> , 19, 267-284                                   | 0.9 | 4   |
| 17 | Influence of Residual Gas on the Life of Cryogenic Target and Trajectory of Injected Targets. <i>Fusion Science and Technology</i> , <b>2000</b> , 38, 28-33  |     | 3   |
| 16 | Time- and space-resolved X-ray spectroscopy for observation of the hot compressed core region in a laser driven implosion. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2000</b> , 65, 393-404 | 2.1 | 5   |
| 15 | Studies of ultra-intense laser plasma interactions for fast ignition. <i>Physics of Plasmas</i> , <b>2000</b> , 7, 2014-2022  | 2.1 | 103 |
| 14 | Recent studies of laser produced plasmas. <i>Plasma Physics and Controlled Fusion</i> , <b>1999</b> , 41, A75-A97   | 2   | 34  |

|    |  |     |    |
|----|--|-----|----|
| 13 | Hydrodynamic simulation for off-center fast ignition model. <i>Fusion Engineering and Design</i> , <b>1999</b> , 44, 255-259   | 1.7 | 1  |
| 12 | Observation of implosion dynamics by line emissions from direct-drive fusion capsules. <i>Fusion Engineering and Design</i> , <b>1999</b> , 44, 175-180  | 1.7 |    |
| 11 | 2D simulation of hydrodynamic instability in ICF stagnation phase. <i>Fusion Engineering and Design</i> , <b>1999</b> , 44, 163-169  | 1.7 | 5  |
| 10 | Target design for ignition and high gain in direct drive ICF. <i>Fusion Engineering and Design</i> , <b>1999</b> , 44, 105-110   | 1.7 | 7  |
| 9  | Laser Fusion and Laboratory Astrophysics with Intense Lasers. <i>Astrophysics and Space Science Library</i> , <b>1999</b> , 423-426  | 0.3 |    |
| 8  | High-convergence uniform implosion of fusion pellets with the new GEKKO laser. <i>Plasma Physics and Controlled Fusion</i> , <b>1997</b> , 39, A401-A409   | 2   | 1  |
| 7  | Time- and space-resolved X-ray spectroscopic measurements of hot dense plasma created with laser driven implosions. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>1997</b> , 58, 585-596 | 2.1 | 8  |
| 6  | Shock-Wave-Driven Instability at Material Interface in Laser Driven Implosion. <i>Japanese Journal of Applied Physics</i> , <b>1996</b> , 35, 5501-5508  | 1.4 | 1  |
| 5  | Effects of Multiple Shock and Thermal Conduction on Mixing Layer Evolution in a Stagnating High-Gain Inertial Confinement Fusion Target. <i>Japanese Journal of Applied Physics</i> , <b>1996</b> , 35, 6265-6272  | 1.4 | 2  |
| 4  | Study of indirectly driven implosion by x-ray spectroscopic measurements. <i>Physics of Plasmas</i> , <b>1995</b> , 2, 2063-2074   | 2.1 | 39 |
| 3  | Conversion Efficiency of LPP Sources 339-370   |     | 11 |
| 2  |  |     |    |
| 1  | Phase Changes of 4H-SiC in Excimer Laser Doping. <i>Journal of Electronic Materials</i> , 1  | 1.9 | 0  |