

Noriaki Miyanaga

List of Publications by Year in descending order

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291
papers

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docs citations

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times ranked

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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Cascaded energy transfer and enhanced near-infrared emission in visible-pumped Cr and Nd co-doped Yb:YAG. <i>Optical Materials</i> , 2022, 128, 112396. | 3.6 | 2 |
| 2 | 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> , 2021, 16, 2404076-2404076. | 0.7 | 2 |
| 3 | Laser-Induced Transfer of Noble Metal Nanodots with Femtosecond Laser-Interference Processing. <i>Nanomaterials</i> , 2021, 11, 305. | 4.1 | 14 |
| 4 | Numerical simulation of an adaptive beam-shaping technique using a phase grating overlapped via a spatial light modulator for precision square flat-top beam. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1. | 2.3 | 3 |
| 5 | Nanodot array deposition via single shot laser interference pattern using laser-induced forward transfer. <i>International Journal of Extreme Manufacturing</i> , 2020, 2, 025101. | 12.7 | 20 |
| 6 | Room-temperature bonding with post-heat treatment for composite Yb:YAG ceramic lasers. <i>Optical Materials</i> , 2019, 91, 344-348. | 3.6 | 6 |
| 7 | Temperature-dependent fluorescence decay and energy transfer in Nd/Cr:YAG ceramics. <i>Optical Materials</i> , 2019, 90, 215-219. | 3.6 | 9 |
| 8 | Utilization of the high spatial-frequency component in adaptive beam shaping by using a virtual diagonal phase grating. <i>Scientific Reports</i> , 2019, 9, 4640. | 3.3 | 15 |
| 9 | Theoretical method for generating regular spatiotemporal pulsed-beam with controlled transverse-spatiotemporal dispersion. <i>Optics Communications</i> , 2019, 432, 91-96. | 2.1 | 3 |
| 10 | Fast pulse train control using filled-aperture coherent beam combining for high-average-power laser systems. <i>Optics Letters</i> , 2019, 44, 5434. | 3.3 | 1 |
| 11 | Heat treatment of transparent Yb:YAG and YAG ceramics and its influence on laser performance. <i>Optical Materials</i> , 2018, 79, 353-357. | 3.6 | 6 |
| 12 | Investigation of optical parametric fluorescence suppression with a quencher pulse in an optical parametric chirped-pulse amplification laser. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 012701. | 1.5 | 3 |
| 13 | Magnetized fast isochoric laser heating for efficient creation of ultra-high-energy-density states. <i>Nature Communications</i> , 2018, 9, 3937. | 12.8 | 75 |
| 14 | PCSEL pumped coupling optics free Yb:YAG/Cr:YAG microchip laser. <i>Applied Optics</i> , 2018, 57, 5295. | 1.8 | 1 |
| 15 | Parallel fabrication of spiral surface structures by interference pattern of circularly polarized beams. <i>Scientific Reports</i> , 2018, 8, 13448. | 3.3 | 14 |
| 16 | Local Melting of Gold Thin Films by Femtosecond Laser-Interference Processing to Generate Nanoparticles on a Source Target. <i>Nanomaterials</i> , 2018, 8, 477. | 4.1 | 5 |
| 17 | Stable ultra-broadband gain spectrum with wide-angle non-collinear optical parametric amplification. <i>Optics Express</i> , 2018, 26, 28848. | 3.4 | 5 |
| 18 | Temperature-dependent absorption assessment of YAG ceramics as cladding material. <i>Optical Materials Express</i> , 2018, 8, 2378. | 3.0 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Beam shaping by spatial light modulator and 4f system to square and top-flat for interference laser processing. Proceedings of SPIE, 2017, , . | 0.8 | 13 |
| 20 | Fabricating a regular hexagonal lattice structure by interference pattern of six femtosecond laser beams. Applied Surface Science, 2017, 417, 69-72. | 6.1 | 17 |
| 21 | High-beam-quality, efficient operation of passively Q-switched Yb:YAG/Cr:YAG laser pumped by photonic-crystal surface-emitting laser. Applied Physics B: Lasers and Optics, 2017, 123, 1. | 2.2 | 5 |
| 22 | Spatial asymmetry of optical parametric fluorescence with a divergent pump beam and potential applications. Optics Express, 2017, 25, 7465. | 3.4 | 5 |
| 23 | Scattering pulse-induced temporal contrast degradation in chirped-pulse amplification lasers. Optics Express, 2017, 25, 21201. | 3.4 | 12 |
| 24 | Observation of faraday rotation induced in TGG by strong THz surface waves propagating along a wire. , 2017, , . | | 0 |
| 25 | Electric field measurement of laser-plasma-driven THz surface wave on metal wires. , 2017, , . | | 0 |
| 26 | 600W green and 300W UV light generated from an eight-beam, sub-nanosecond fiber laser system. Optics Letters, 2017, 42, 3255. | 3.3 | 22 |
| 27 | Direction-dependent waist-shift-difference of Gaussian beam in a multiple-pass zigzag slab amplifier and geometrical optics compensation method. Applied Optics, 2017, 56, 8513. | 1.8 | 1 |
| 28 | Conceptual design of sub-exa-watt system by using optical parametric chirped pulse amplification. Journal of Physics: Conference Series, 2016, 688, 012044. | 0.4 | 17 |
| 29 | Strong sub-terahertz surface waves generated on metal wires by relativistic-intensity laser pulses. , 2016, , . | | 0 |
| 30 | Suppression of photo-darkening effect in Yb-doped silica glass fiber by co-doping of group 2 element. Journal of Non-Crystalline Solids, 2016, 440, 85-89. | 3.1 | 16 |
| 31 | Sub-micron period metal lattices fabricated by interfering ultraviolet femtosecond laser processing. Applied Physics A: Materials Science and Processing, 2016, 122, 1. | 2.3 | 7 |
| 32 | High-average-power green laser using Nd:YAG amplifier with stimulated Brillouin scattering phase-conjugate pulse-cleaning mirror. Optics Express, 2016, 24, 12557. | 3.4 | 16 |
| 33 | Ultrahigh-contrast kilojoule-class petawatt LFEX laser using a plasma mirror. Applied Optics, 2016, 55, 6850. | 2.1 | 30 |
| 34 | Demonstration of a photonic crystal surface-emitting laser pumped Yb:YAG laser. Optics Letters, 2016, 41, 4653. | 3.3 | 6 |
| 35 | Coherent Beam Combining with Optical Parametric Processes. The Review of Laser Engineering, 2016, 44, 380. | 0.0 | 0 |
| 36 | Development of Pulsed 1.5 kW Class Average-Output-Power Fiber Laser System Based on Yb-Doped Rod Photonic Crystal Fibers (PCFs) for Beam Combination. The Review of Laser Engineering, 2016, 44, 363. | 0.0 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Heating efficiency evaluation with mimicking plasma conditions of integrated fast-ignition experiment. Physical Review E, 2015, 91, 063102. | 2.1 | 23 |
| 38 | High-Intensity Neutron Generation via Laser-Driven Photonuclear Reaction. Plasma and Fusion Research, 2015, 10, 2404003-2404003. | 0.7 | 23 |
| 39 | Small signal gain for Nd/Cr:YAG ceramics at high temperature. , 2015, , . | | 1 |
| 40 | Large diameter ceramic TGG faraday rotator for high-average-power laser systems. , 2015, , . | | 2 |
| 41 | Ion diffusion at the bonding interface of undoped YAG/Yb:YAG composite ceramics. Optical Materials, 2015, 46, 542-547. | 3.6 | 28 |
| 42 | Influence of laser scanning conditions on CFRP processing with a pulsed fiber laser. Journal of Materials Processing Technology, 2015, 222, 110-121. | 6.3 | 43 |
| 43 | Partially deuterated potassium dihydrogen phosphate optimized for ultra-broadband optical parametric amplification. Journal of Applied Physics, 2015, 117, 093103. | 2.5 | 14 |
| 44 | Fabrication of metallic hole array metamaterials with 760nm and 1930nm lattice constant by interfering femtosecond laser processing. Photonics and Nanostructures - Fundamentals and Applications, 2015, 17, 10-14. | 2.0 | 2 |
| 45 | Development of Feedback Algorithm for Filled Aperture Coherent Beam Combining Technique with Phase Control. The Review of Laser Engineering, 2015, 43, 169. | 0.0 | 0 |
| 46 | Neutron Generation by Laser-Driven Photonuclear Reaction. The Review of Laser Engineering, 2015, 43, 98. | 0.0 | 0 |
| 47 | Recent Progress of Interfering Ultra-fast Laser Processing Technique. IEJ Transactions on Electronics, Information and Systems, 2015, 135, 1080-1084. | 0.2 | 0 |
| 48 | Energy Transportation by MeV Hot Electrons in Fast Ignition Plasma Driven with LFEX PW Laser. Plasma and Fusion Research, 2014, 9, 1404118-1404118. | 0.7 | 0 |
| 49 | Micromachining of thin CFRP with UV-PS laser pulses. , 2014, , . | | 3 |
| 50 | Amplification characteristics of a cryogenic Yb ³⁺ :YAG total-reflection active-mirror laser. Applied Optics, 2014, 53, 1964. | 1.8 | 7 |
| 51 | Two-stage optical parametric chirped-pulse amplifier using sub-nanosecond pump pulse generated by stimulated Brillouin scattering compression. Applied Physics Express, 2014, 7, 122702. | 2.4 | 5 |
| 52 | Temperature dependence of optical properties in Nd/Cr:YAG materials. Journal of Luminescence, 2014, 148, 342-346. | 3.1 | 27 |
| 53 | Template free synthesis of free-standing silver nanowhisker and nanocrown superlattice by interfering femtosecond laser irradiation. Japanese Journal of Applied Physics, 2014, 53, 096701. | 1.5 | 16 |
| 54 | Change of interference pattern using fundamental and second-harmonic wavelengths by phase shift of a beam. Applied Physics A: Materials Science and Processing, 2014, 117, 207-210. | 2.3 | 3 |

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|----|--|-----|-----------|
| 55 | Development of Ultrashort Pulsed VUV Laser and its Applications. Journal of Laser Micro Nanoengineering, 2014, 9, 108-112. | 0.1 | 1 |
| 56 | Femtosecond-Laser-Induced Surface Texturing of Al-Si Alloy for Lower Friction Surface. The Review of Laser Engineering, 2014, 42, 341. | 0.0 | 0 |
| 57 | Conceptual Design of a Sub-Exa-Watts Laser System "GEKKO-EXA". The Review of Laser Engineering, 2014, 42, 179. | 0.0 | 3 |
| 58 | Solid"liquid"solid process for forming free-standing gold nanowhisker superlattice by interfering femtosecond laser irradiation. Applied Surface Science, 2013, 274, 27-32. | 6.1 | 60 |
| 59 | 174W at 1kHz, 532nm SHG from LBO crystals using high average power Nd: YAG laser. , 2013, , . | | 1 |
| 60 | High efficiency 125 J second-harmonic generation from CsLiB ₆ O ₁₀ nonlinear crystal by diode-pumped Nd:glass laser. Optics Express, 2013, 21, 8393. | 3.4 | 19 |
| 61 | A monolithic composite ceramic with total-reflection active-mirrors for joule-class pulse energy amplification. Optical Materials, 2013, 35, 770-773. | 3.6 | 3 |
| 62 | Ultrafast Time-Resolved Pump"Probe Spectroscopy of PYP by a Sub-8 fs Pulse Laser at 400 nm. Journal of Physical Chemistry B, 2013, 117, 4818-4826. | 2.6 | 12 |
| 63 | Organized metamaterials comprised of gold nanoneedles in a lattice generated on silicon (100) wafer substrates by interfering femtosecond laser processing. Applied Physics A: Materials Science and Processing, 2013, 112, 173-177. | 2.3 | 8 |
| 64 | Designing of interference pattern in ultra-short pulse laser processing. Applied Physics A: Materials Science and Processing, 2013, 112, 191-196. | 2.3 | 21 |
| 65 | Quantitative measurement of hard X-ray spectra from laser-driven fast ignition plasma. High Energy Density Physics, 2013, 9, 435-438. | 1.5 | 5 |
| 66 | ASE and parasitic lasing in thin disk laser with anti-ASE cap. Optics Express, 2013, 21, 13118. | 3.4 | 25 |
| 67 | Present status of fast ignition realization experiment and inertial fusion energy development. Nuclear Fusion, 2013, 53, 104021. | 3.5 | 27 |
| 68 | Interferometric phase shift compensation technique for high-power, tiled-aperture coherent beam combination. Optics Letters, 2013, 38, 1277. | 3.3 | 28 |
| 69 | New insights into the laser produced electron"positron pairs. New Journal of Physics, 2013, 15, 065010. | 2.9 | 24 |
| 70 | Gain Spectral Filtering for Spectral Enhancement of Mode-Locked Fiber Oscillators. Japanese Journal of Applied Physics, 2013, 52, 122701. | 1.5 | 0 |
| 71 | High-Gain Regenerative Chirped-Pulse Amplifier Using Photonic Crystal Rod Fiber. Applied Physics Express, 2013, 6, 122703. | 2.4 | 4 |
| 72 | Designing of Interference Pattern Using Coherent Beams and Fabrication of Gold Nanowhisker Arrayed in Matrix. The Review of Laser Engineering, 2013, 41, 811. | 0.0 | 0 |

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|----|---|-----|-----------|
| 73 | Generation of sub-7-cycle optical pulses from a mode-locked ytterbium-doped single-mode fiber oscillator pumped by polarization-combined 915Ånm laser diodes. Optics Letters, 2012, 37, 3972. | 3.3 | 23 |
| 74 | Design of interference using coherent beams configured as a six-sided pyramid. Applied Optics, 2012, 51, 5004. | 1.8 | 20 |
| 75 | Temporal contrast enhancement of petawatt-class laser pulses. Optics Letters, 2012, 37, 3363. | 3.3 | 44 |
| 76 | X-ray backlight measurement of preformed plasma by kJ-class petawatt LFEX laser. Journal of Applied Physics, 2012, 112, 063301. | 2.5 | 10 |
| 77 | Interfering Ultraviolet Femtosecond Laser Processing of Gold Thin Film and Prospect of Shortest Period. Applied Physics Express, 2012, 5, 102703. | 2.4 | 6 |
| 78 | High-energy-density plasmas generation on GEKKO-LFEX laser facility for fast-ignition laser fusion studies and laboratory astrophysics. Plasma Physics and Controlled Fusion, 2012, 54, 124042. | 2.1 | 40 |
| 79 | Output characteristics of high power cryogenic Yb:YAG TRAM laser oscillator. Optics Express, 2012, 20, 21739. | 3.4 | 23 |
| 80 | Integrated experiments of fast ignition targets by Gekko-XII and LFEX lasers. High Energy Density Physics, 2012, 8, 227-230. | 1.5 | 22 |
| 81 | Dual beam laser grooving of CFRP by pulsed lasers. , 2012, , . | | 4 |
| 82 | The Current Trends in SBS and phase conjugation. Laser and Particle Beams, 2012, 30, 117-174. | 1.0 | 25 |
| 83 | Development of High-Peak and High-Average-Power MOPA Laser System Using Yb-Doped Photonic Crystal Fiber. The Review of Laser Engineering, 2012, 40, 780. | 0.0 | 0 |
| 84 | Study of wave-front distortion in cryogenic Yb:YAG TRAM laser and a novel Coherent Beam Combining (CBC) technique for ultra-high power laser systems. , 2012, , . | | 0 |
| 85 | Fast ignition integrated experiments on GEKKO-LFEX laser facility. , 2011, , . | | 0 |
| 86 | Generation of new meta-materials by interfering femtosecond laser processing with phase shift and amplitude difference between the beams. , 2011, , . | | 0 |
| 87 | Fast ignition integrated experiments with Gekko and LFEX lasers. Plasma Physics and Controlled Fusion, 2011, 53, 124029. | 2.1 | 55 |
| 88 | Zig-zag active-mirror laser with cryogenic Yb ³⁺ :YAG/YAG composite ceramics. Optics Express, 2011, 19, 2448. | 3.4 | 28 |
| 89 | Optical properties and Faraday effect of ceramic terbium gallium garnet for a room temperature Faraday rotator. Optics Express, 2011, 19, 15181. | 3.4 | 114 |
| 90 | Dispersion compensation in an Yb-doped fiber oscillator for generating transform-limited, wing-free pulses. Optics Express, 2011, 19, 25199. | 3.4 | 12 |

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|-----|--|-----|-----------|
| 91 | Cutting of Carbon Fiber-Reinforced Plastic (CFRP) by Ultra-Short Pulse Lasers. The Review of Laser Engineering, 2011, 39, 701-705. | 0.0 | 1 |
| 92 | Present states and future prospect of fast ignition realization experiment (FIREX) with Gekko and LFEX Lasers at ILE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 653, 84-88. | 1.6 | 10 |
| 93 | Sub-kHz cryogenic Yb:YAG regenerative amplifier by using a total-reflection active mirror. Applied Physics B: Lasers and Optics, 2011, 104, 29-32. | 2.2 | 4 |
| 94 | Construction of LFEX PW laser and conceptual design of sub EW laser at Osaka University. , 2011, , . | | 1 |
| 95 | Chirped-Pulsed Yb ³⁺ : YAG Regenerative Amplifier using a Total-Reflection Active Mirror. , 2011, , . | | 0 |
| 96 | Conceptual design for sub-100 kW laser system based on total-reflection active-mirror geometry. , 2011, , . | | 0 |
| 97 | Key Technology for High-Peak and High-Average Power and Recent Progress in Large Core Yb-Fiber Laser System with Pulse Operation. The Review of Laser Engineering, 2010, 38, 849-857. | 0.0 | 1 |
| 98 | Effect of interference pattern on femtosecond laser-induced ripple structure. Applied Physics A: Materials Science and Processing, 2010, 98, 401-405. | 2.3 | 8 |
| 99 | Development of ultra-short pulse VUV laser system for nanoscale processing. Applied Physics A: Materials Science and Processing, 2010, 101, 297-301. | 2.3 | 0 |
| 100 | Mesoscopic nanomaterials generated by interfering femtosecond laser processing. Applied Physics A: Materials Science and Processing, 2010, 101, 471-474. | 2.3 | 32 |
| 101 | Generation of subpicosecond vacuum ultraviolet pulses at 126nm by using harmonics of a subpicosecond Ti:Sapphire laser. Optics Communications, 2010, 283, 414-416. | 2.1 | 7 |
| 102 | 84 dB amplification, 046 J in a 10 Hz output diode-pumped Nd:YLF ring amplifier with phase-conjugated wavefront corrector. Optics Express, 2010, 18, 13927. | 3.4 | 18 |
| 103 | Experimental demonstration of spatially coherent beam combining using optical parametric amplification. Optics Express, 2010, 18, 14541. | 3.4 | 18 |
| 104 | Pulse compression and beam focusing with segmented diffraction gratings in a high-power chirped-pulse amplification glass laser system. Optics Letters, 2010, 35, 1783. | 3.3 | 36 |
| 105 | Debris-free Low-stress High-speed Laser-assisted Dicing for Multi-layered MEMS. IEJ Transactions on Sensors and Micromachines, 2010, 130, 118-123. | 0.1 | 2 |
| 106 | Debris-Free High-Speed Laser-Assisted Low-Stress Dicing for Multi-Layered MEMS. IEJ Transactions on Sensors and Micromachines, 2009, 129, 63-68. | 0.1 | 6 |
| 107 | Generation of nano-structured surfaces by liquidly process induced by interfering femtosecond laser processing. , 2009, , . | | 0 |
| 108 | Plasma physics and laser development for the Fast-Ignition Realization Experiment (FIREX) Project. Nuclear Fusion, 2009, 49, 104024. | 3.5 | 45 |

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| 109 | Nano-structured surfaces on Niâ€“Ti generated by multiple shots of interfering femtosecond laser. Optics and Lasers in Engineering, 2009, 47, 847-849. | 3.8 | 7 |
| 110 | Oriented and lowâ€“density tin dioxide film by solâ€“gel mineralizing tinâ€“contained hydroxypropyl cellulose lyotropic liquid crystal for laserâ€“induced extreme ultraviolet emission. Journal of Polymer Science Part A, 2009, 47, 4566-4576. | 2.3 | 7 |
| 111 | Liquidly process in femtosecond laser processing. Applied Surface Science, 2009, 255, 9761-9763. | 6.1 | 43 |
| 112 | Total-reflection active-mirror laser with cryogenic Yb:YAG ceramics. Optics Letters, 2009, 34, 3439. | 3.3 | 60 |
| 113 | Sub-15fs ultraviolet pulses generated by achromatic phase-matching sum-frequency mixing. Optics Express, 2009, 17, 17711. | 3.4 | 15 |
| 114 | Debris-Free Low-Stress Dicing Assisted by Pulsed Laser for Multi-Layered MEMS. The Review of Laser Engineering, 2009, 37, 384-388. | 0.0 | 0 |
| 115 | Waveform Control and Wavefront Correction of A Large-Aperture High-Energy Glass Laser System. The Review of Laser Engineering, 2009, 37, 455-460. | 0.0 | 3 |
| 116 | New Surface Nano-Structuring Technique Using Interfering Ultrafast Laser Processing. The Review of Laser Engineering, 2009, 37, 494-499. | 0.0 | 0 |
| 117 | Laser Production of Extreme Ultraviolet Light Source for the Next Generation Lithography Application. Plasma and Fusion Research, 2009, 4, 048-048. | 0.7 | 3 |
| 118 | Advanced Target Design for the FIREX-I Project. Plasma and Fusion Research, 2009, 4, S1001-S1001. | 0.7 | 1 |
| 119 | High efficiency and high energy parametric wavelength conversion using a large aperture periodically poled MgO:LiNbO3. Optics Communications, 2008, 281, 3902-3905. | 2.1 | 14 |
| 120 | Dry Tin Dioxide Hollow Microshells and Extreme Ultraviolet Radiation Induced by CO ₂ Laser Illumination. Langmuir, 2008, 24, 10402-10406. | 3.5 | 9 |
| 121 | 213 W average power of 24 GW pulsed thermally controlled Nd:glass zigzag slab laser with a stimulated Brillouin scattering mirror. Optics Letters, 2008, 33, 1711. | 3.3 | 112 |
| 122 | Split-aperture laser pulse compressor design tolerant to alignment and line-density differences. Optics Letters, 2008, 33, 1902. | 3.3 | 19 |
| 123 | High Power Lasers and Their New Applications. Journal of the Optical Society of Korea, 2008, 12, 178-185. | 0.6 | 34 |
| 124 | Ultrabroadband noncollinear optical parametric amplification with LBO crystal. Optics Express, 2008, 16, 18863. | 3.4 | 15 |
| 125 | Plasma physics and radiation hydrodynamics in developing an extreme ultraviolet light source for lithography. Physics of Plasmas, 2008, 15, . | 1.9 | 126 |
| 126 | Analysis of Parasitic Oscillation and Evaluation of Amplifier Module of Zig-Zag Slab Laser System. Japanese Journal of Applied Physics, 2008, 47, 5441. | 1.5 | 2 |

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|-----|--|-----|-----------|
| 127 | Nano-structured lithium-tin plane fabrication for laser produced plasma and extreme ultraviolet generation. Laser and Particle Beams, 2008, 26, 497-501. | 1.0 | 9 |
| 128 | Generation of High Efficiency 2 Åµm Laser Pulse from a Periodically Poled 5 mol % MgO-Doped LiNbO3Optical Parametric Oscillator. Applied Physics Express, 2008, 1, 022007. | 2.4 | 3 |
| 129 | Fine Structures of Laser-Driven Punched-Out Tin Fuels Observed with Extreme Ultraviolet Backlight Imaging. Japanese Journal of Applied Physics, 2008, 47, 293-296. | 1.5 | 7 |
| 130 | Characterization of out-of-band radiation and plasma parameters in laser-produced Sn plasmas for extreme ultraviolet lithography light sources. Journal of Applied Physics, 2008, 104, . | 2.5 | 20 |
| 131 | Optical amplification of the OFI rare-gas excimers in the vacuum ultraviolet. , 2008, , . | | 0 |
| 132 | Pure-tin microdroplets irradiated with double laser pulses for efficient and minimum-mass extreme-ultraviolet light source production. Applied Physics Letters, 2008, 92, . | 3.3 | 85 |
| 133 | Absolute evaluation of out-of-band radiation from laser-produced tin plasmas for extreme ultraviolet lithography. Applied Physics Letters, 2008, 92, . | 3.3 | 31 |
| 134 | Low density targets for laser-produced-plasma (LPP) extreme ultraviolet light source with high-CE and toward high-repletion supply. , 2008, , . | | 0 |
| 135 | Neutral Debris Mitigation in Laser Produced Extreme Ultraviolet Light Source by the Use of Minimum-Mass Tin Target. Applied Physics Express, 2008, 1, 056001. | 2.4 | 23 |
| 136 | Debris-free laser dicing for multi-layered mems. , 2008, , . | | 0 |
| 137 | Generation of ENergetic Beam Ultimate (GENBU) Laser - Main Laser -. The Review of Laser Engineering, 2008, 36, 1056-1058. | 0.0 | 3 |
| 138 | Development of Extreme-Ultraviolet Light Source by Laser-Produced Plasma. The Review of Laser Engineering, 2008, 36, 1125-1128. | 0.0 | 3 |
| 139 | Extending Applications of High-Power Lasers. The Review of Laser Engineering, 2008, 36, 530-537. | 0.0 | 0 |
| 140 | Debris-Free Laser-Assisted Low-Stress Dicing for Multi-Layered MEMS-Separation Method of Glass Layer-. IEEJ Transactions on Sensors and Micromachines, 2008, 128, 91-96. | 0.1 | 4 |
| 141 | Extreme Ultraviolet (EUV) Radiation from Punched-Out Target. The Review of Laser Engineering, 2008, 36, 736-741. | 0.0 | 0 |
| 142 | Present status and future prospects of high power lasers. The Review of Laser Engineering, 2008, 36, S38-S39. | 0.0 | 0 |
| 143 | OFI rare-gas excimer amplifier for intense sub-picosecond VUV pulse generation. , 2008, , . | | 0 |
| 144 | Comprehensive Diagnosis of Growth Rates of the Ablative Rayleigh-Taylor Instability. Physical Review Letters, 2007, 98, 045002. | 7.8 | 58 |

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| 145 | Optical amplification of vacuum ultraviolet argon excimer produced by a high-intensity laser. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , . | 0.0 | 0 |
| 146 | OFl vacuum ultraviolet rare-gas excimer amplifier for subpicosecond VUV pulse amplification. , 2007, , . | | 0 |
| 147 | Topdown femtosecond laser-interference technique for the generation of new nanostructures. Journal of Physics: Conference Series, 2007, 59, 245-248. | 0.4 | 4 |
| 148 | High-energy, high-contrast, multiterawatt laser pulses by optical parametric chirped-pulse amplification. Optics Letters, 2007, 32, 2315. | 3.3 | 58 |
| 149 | High Average Power and High Repetition Solid State Laser for EUV Lithography. , 2007, , . | | 0 |
| 150 | Generation of intense vacuum ultraviolet radiations for advanced materials processing. , 2007, , . | | 0 |
| 151 | Recent results and future prospects of laser fusion research at ILE, Osaka. European Physical Journal D, 2007, 44, 259-264. | 1.3 | 11 |
| 152 | Effect of pulse width and fluence of femtosecond laser on the size of nanobump array. Applied Surface Science, 2007, 253, 6555-6557. | 6.1 | 93 |
| 153 | Optimum laser pulse duration for efficient extreme ultraviolet light generation from laser-produced tin plasmas. Applied Physics Letters, 2006, 89, 151501. | 3.3 | 65 |
| 154 | The HALNA project: Diode-pumped solid-state laser for inertial fusion energy. European Physical Journal Special Topics, 2006, 133, 615-620. | 0.2 | 15 |
| 155 | Energy spectra and charge states of debris emitted from laser-produced minimum mass tin plasmas. , 2006, 6151, 1051. | | 9 |
| 156 | 10-kJ PW laser for the FIREX-I program. European Physical Journal Special Topics, 2006, 133, 81-87. | 0.2 | 66 |
| 157 | Fabrication of Low-Density Solid Xenon as Laser-Produced Plasma Extreme Ultraviolet Source. Japanese Journal of Applied Physics, 2006, 45, L884-L886. | 1.5 | 2 |
| 158 | Simulations on Generating Long Flat-Top Laser Pulses for Fast Ignition of Laser Fusion. Japanese Journal of Applied Physics, 2006, 45, 6930-6935. | 1.5 | 4 |
| 159 | Extreme Ultraviolet Emission from Laser-Irradiated Low-Density Xe Targets. Japanese Journal of Applied Physics, 2006, 45, 5951-5953. | 1.5 | 3 |
| 160 | Low-density tin targets for efficient extreme ultraviolet light emission from laser-produced plasmas. Applied Physics Letters, 2006, 88, 161501. | 3.3 | 63 |
| 161 | Spectroscopic study of debris mitigation with minimum-mass Sn laser plasma for extreme ultraviolet lithography. Applied Physics Letters, 2006, 88, 171503. | 3.3 | 38 |
| 162 | Angular distribution control of extreme ultraviolet radiation from laser-produced plasma by manipulating the nanostructure of low-density SnO ₂ targets. Applied Physics Letters, 2006, 88, 094102. | 3.3 | 26 |

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|-----|---|-----|-----------|
| 163 | Design for a diode-pumped 1-kJ zig-zag slab laser with cryogenically cooled ceramic Yb:YAG. European Physical Journal Special Topics, 2006, 133, 641-643. | 0.2 | 3 |
| 164 | EUV and particle generations from laser-irradiated solid- and low-density targets. European Physical Journal Special Topics, 2006, 133, 1189-1192. | 0.2 | 1 |
| 165 | Recent results and future prospects of laser fusion research at ILE, Osaka. European Physical Journal Special Topics, 2006, 133, 27-28. | 0.2 | 1 |
| 166 | Development of EUV light source by laser-produced plasma. European Physical Journal Special Topics, 2006, 133, 1161-1165. | 0.2 | 1 |
| 167 | Target fabrication of low-density and nanoporous materials to generate extreme ultraviolet (EUV). European Physical Journal Special Topics, 2006, 133, 875-880. | 0.2 | 1 |
| 168 | Conceptual design of laser fusion reactor KOYO-fast " Concepts of reactor system and laser driver. European Physical Journal Special Topics, 2006, 133, 837-839. | 0.2 | 1 |
| 169 | Evaluation of tin-foil targets for debris mitigation in laser generated EUV source. , 2005, 5751, 815. | | 2 |
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