

Hideaki Ohgaki

List of Publications by Year in Descending Order

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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.

279
papers

2,344
citations

23
h-index

36
g-index

340
ext. papers

2,572
ext. citations

1.8
avg. IF

4.26
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 279 | Peak Shift of Coherent Edge Radiation Spectrum Depending on Radio Frequency Field Phase of Accelerator. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 626 | 2.6 | 0 |
| 278 | Utilization of solar and wind energy to improve the quality of life for rural communities in Blora Regency Indonesia: from triple helix to quadruple helix. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 916, 012036 | 0.3 | 0 |
| 277 | Three-Dimensional Nondestructive Isotope-Selective Tomographic Imaging of 208Pb Distribution via Nuclear Resonance Fluorescence. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3415 | 2.6 | 3 |
| 276 | Low-lying electric and magnetic dipole strengths in Pb207. <i>Physical Review C</i> , 2021 , 103, | 2.7 | 3 |
| 275 | Mode-selective excitation of an infrared-inactive phonon mode in diamond using mid-infrared free electron laser. <i>Japanese Journal of Applied Physics</i> , 2021 , 60, 102001 | 1.4 | 0 |
| 274 | Study of the origin of the complex beam profile of a hole-coupled free electron laser oscillator. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2021 , 38, 1656-1661 | 1.8 | 1 |
| 273 | Fusion Visualization Technique to Improve a Three-Dimensional Isotope-Selective CT Image Based on Nuclear Resonance Fluorescence with a Gamma-CT Image. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 11866 | 2.6 | 1 |
| 272 | The Effects of Rural Electrification on Quality of Life: A Southeast Asian Perspective. <i>Energies</i> , 2020 , 13, 2410 | 3.1 | 6 |
| 271 | Selective Isotope CT Imaging Based on Nuclear Resonance Fluorescence Transmission Method. <i>IEEE Transactions on Nuclear Science</i> , 2020 , 67, 1976-1984 | 1.7 | 6 |
| 270 | High-extraction-efficiency operation of a midinfrared free electron laser enabled by dynamic cavity desynchronization. <i>Physical Review Accelerators and Beams</i> , 2020 , 23, | 1.8 | 9 |
| 269 | Record high extraction efficiency of free electron laser oscillator. <i>Applied Physics Express</i> , 2020 , 13, 102007 | 2.7 | 3 |
| 268 | Understanding perception and interpretation of Malaysian university students on renewable energy. <i>AIMS Energy</i> , 2020 , 8, 1029-1044 | 1.8 | 2 |
| 267 | Two-photon selective excitation of phonon-mode in diamond using mid-infrared free-electron laser. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020 , 384, 126223 | 2.3 | 4 |
| 266 | Study on anomalous photoemission of LaB6 at high temperatures. <i>Physica Scripta</i> , 2019 , 94, 075701 | 2.6 | 4 |
| 265 | Investigation of Bunch Compressor and Compressed Electron Beam Characteristics by Coherent Transition Radiation. <i>Particles</i> , 2019 , 2, 32-43 | 2.1 | |
| 264 | Demonstration of tomographic imaging of isotope distribution by nuclear resonance fluorescence. <i>AIP Advances</i> , 2019 , 9, 035101 | 1.5 | 7 |
| 263 | Investigation on Conversion Pathways in Degradative Solvent Extraction of Rice Straw by Using Liquid Membrane-FTIR Spectroscopy. <i>Energies</i> , 2019 , 12, 528 | 3.1 | 1 |

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|-----|--|-----|----|
| 262 | Properties of THz coherent undulator radiation generated from a compact accelerator source at Kyoto University. <i>Review of Scientific Instruments</i> , 2019 , 90, 103307 | 1.7 | 5 |
| 261 | Towards a Low Emission Transport System: Evaluating the Public Health and Environmental Benefits. <i>Energies</i> , 2019 , 12, 3747 | 3.1 | 7 |
| 260 | Research of coherent edge radiation generated by electron beams oscillating free-electron lasers. <i>Journal of Physics: Conference Series</i> , 2019 , 1350, 012039 | 0.3 | 1 |
| 259 | Reduction and Gasification Characteristics of A Unique Iron Ore/carbon Composite Prepared from Robe River and A Coal Tar Vacuum Residue. <i>ISIJ International</i> , 2019 , 59, 2182-2192 | 1.7 | 4 |
| 258 | Measurement of bunch length evolution in electron beam macropulse of S-band linac using coherent edge radiation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2019 , 383, 389-395 | 2.3 | 5 |
| 257 | Degradative solvent extraction of biomass using petroleum based solvents. <i>Bioresource Technology</i> , 2018 , 260, 169-176 | 1.1 | 6 |
| 256 | Development Strategy for Sustainable Solar Home System in the Akha Upland Community of Thailand. <i>Energies</i> , 2018 , 11, 1509 | 3.1 | 1 |
| 255 | Real-time observation of structural change in semi-crystalline polymer films through mid-IR transmission spectroscopy: determination of instantaneous film temperature during recrystallization. <i>Optics Express</i> , 2018 , 26, 21615-21625 | 3.3 | 1 |
| 254 | Mid-Infrared Free-Electron Laser-Evoked Discharge of Crayfish Compound Eyes. <i>Journal of the Nihon University Medical Association</i> , 2018 , 77, 159-164 | 0 | 1 |
| 253 | Present Status of Infrared FEL Facility at Kyoto University 2018 , | | 1 |
| 252 | Generation of 1-MeV quasi-monochromatic gamma-ray for precise measurement of Delbrück scattering by laser Compton scattering. <i>Journal of Physics: Conference Series</i> , 2018 , 1067, 092003 | 0.3 | 1 |
| 251 | Manipulation of Laser Distribution to Mitigate the Space-Charge Effect for Improving the Performance of a THz Coherent Undulator Radiation Source. <i>Particles</i> , 2018 , 1, 238-252 | 2.1 | 2 |
| 250 | Study of the saturation of radiation energy caused by the space charge effect in a compact THz coherent radiation source. <i>Journal of Physics: Conference Series</i> , 2018 , 1067, 032022 | 0.3 | 2 |
| 249 | Influence of the Cathode Material Properties in Reducing the Back-Bombardment Effect in Thermionic RF Gun. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 5053-5061 | 2.9 | 2 |
| 248 | Responses of PWO, LaBr ₃ :Ce, and LYSO:Ce scintillators to single-electron hits of 540 MeV at KU-FEL. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018 , 911, 138-141 | 1.2 | 1 |
| 247 | Analysis of Ferroresonance Phenomenon in 22 kV Distribution System with a Photovoltaic Source by PSCAD/EMTDC. <i>Energies</i> , 2018 , 11, 1742 | 3.1 | 3 |
| 246 | Nondestructive Inspection System for Special Nuclear Material Using Inertial Electrostatic Confinement Fusion Neutrons and Laser Compton Scattering Gamma-Rays. <i>IEEE Transactions on Nuclear Science</i> , 2017 , 64, 1635-1640 | 1.7 | 16 |
| 245 | Effect of Solvent on the Degradative Solvent Extraction of Low Rank Coal. <i>Energy & Fuels</i> , 2017 , 31, 11954-11962 | 4.1 | 8 |

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|-----|---|-----|----|
| 244 | Examination of Interactions of Solvent-Treated Coal with Oxygen and Water Vapor at Over 100 °C Using TG-DSC for Examining Propensity to Spontaneous Heating of the Solvent-Treated Coal. <i>Energy & Fuels</i> , 2017 , 31, 11723-11730 | 4.1 | 3 |
| 243 | Low-lying dipole strength in Cr52. <i>Physical Review C</i> , 2017 , 96, | 2.7 | 7 |
| 242 | TG-DSC Study To Measure Heat of Desorption of Water during the Thermal Drying of Coal and To Examine the Role of Adsorption of Water Vapor for Examining Spontaneous Heating of Coal over 100 °C. <i>Energy & Fuels</i> , 2017 , 31, 10691-10698 | 4.1 | 11 |
| 241 | Formulation of the Heat Generation Rate of Low-Temperature Oxidation of Coal by Measuring Heat Flow and Weight Change at Constant Temperatures Using ThermogravimetryDifferential Scanning Calorimetry. <i>Energy & Fuels</i> , 2017 , 31, 11669-11680 | 4.1 | 9 |
| 240 | Properties of quarter-wavelength coaxial cavity for triode-type thermionic RF gun. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 096701 | 1.4 | 1 |
| 239 | Mode-selective phonon excitation in gallium nitride using mid-infrared free-electron laser. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 022701 | 1.4 | 3 |
| 238 | Measurement of Coherent Undulator Radiation of Compact Terahertz Radiation Source at Kyoto University 2017 , 3, 1-7 | | 3 |
| 237 | Thermally assisted photoemission effect on CeB6 and LaB6 for application as photocathodes. <i>Physical Review Accelerators and Beams</i> , 2017 , 20, | 1.8 | 5 |
| 236 | Gamma beam industrial applications at ELI-NP. <i>International Journal of Modern Physics Conference Series</i> , 2016 , 44, 1660216 | 0.7 | 2 |
| 235 | CeB6: Emission Performance and Uniformity Compared With LaB6 for Thermionic RF Guns. <i>IEEE Transactions on Electron Devices</i> , 2016 , 63, 1326-1332 | 2.9 | 7 |
| 234 | Brilliant gamma beams for industrial applications: new opportunities, new challenges. <i>Journal of Physics: Conference Series</i> , 2016 , 763, 012003 | 0.3 | 1 |
| 233 | Present Status and Perspectives of Long Wavelength Free Electron Lasers at Kyoto University. <i>Physics Procedia</i> , 2016 , 84, 47-53 | | 16 |
| 232 | Beam Dynamics Investigation for the Compact Seeded THz-FEL Amplifier. <i>Energy Procedia</i> , 2016 , 89, 373-381 | 2.3 | |
| 231 | Generation of High Energy Gamma-ray by Laser Compton Scattering of 1.94- μ m Fiber Laser in UVSOR-III Electron Storage Ring. <i>Energy Procedia</i> , 2016 , 89, 335-345 | 2.3 | 14 |
| 230 | Simulation Study on Computer Tomography Imaging of Nuclear Distribution by Quasi Monoenergetic Gamma Rays with Nuclear Resonance Fluorescence: Case Study for ELI-NP Application. <i>Energy Procedia</i> , 2016 , 89, 389-394 | 2.3 | 11 |
| 229 | Development of intense terahertz coherent synchrotron radiation at KU-FEL. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 832, 208-213 | 1.2 | 3 |
| 228 | Effect of microwave irradiation on the electronic structure of ZnO. <i>Journal of Physics and Chemistry of Solids</i> , 2015 , 83, 47-51 | 3.9 | 3 |
| 227 | Emission properties and back-bombardment for CeB6 compared to LaB6. <i>Journal of Applied Physics</i> , 2015 , 117, 064503 | 2.5 | 8 |

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| 226 | Time-resolved detection of structural change in polyethylene films using mid-infrared laser pulses. <i>Applied Physics Letters</i> , 2015 , 107, 041904 | 3.4 | 3 |
| 225 | Reaction-yield dependence of the (α, n) reaction of ²³⁸ U on the target thickness. <i>Journal of Nuclear Science and Technology</i> , 2015 , 52, 811-820 | 1 | 6 |
| 224 | Study on detector geometry for active non-destructive inspection system of SNMs by nuclear resonance fluorescence 2015 , | | 2 |
| 223 | Characterization of non-Gaussian mid-infrared free-electron laser beams by the knife-edge method. <i>Infrared Physics and Technology</i> , 2014 , 66, 146-151 | 2.7 | 7 |
| 222 | Active Neutron-Based Interrogation System with D-D Neutron Source for Detection of Special Nuclear Materials 2014 , | | 2 |
| 221 | Magnetic property of a staggered-array undulator using a bulk high-temperature superconductor. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2014 , 17, | | 8 |
| 220 | Spectral modulation of higher harmonic spontaneous emission from an optical klystron. <i>Journal of Synchrotron Radiation</i> , 2014 , 21, 654-61 | 2.4 | 3 |
| 219 | Investigation of Electron Beam Parameter in Seeded THz-FEL Amplifier using Photocathode RF Gun. <i>Energy Procedia</i> , 2013 , 34, 863-870 | 2.3 | |
| 218 | Design Study for Direction Variable Compton Scattering Gamma Ray. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 192020 | 0.3 | |
| 217 | Delayed luminescence from ZnO ceramics upon microwave-induced plasma emission. <i>Journal of Physics and Chemistry of Solids</i> , 2013 , 74, 837-840 | 3.9 | 3 |
| 216 | Study Plans Concerning Monetary Evaluation of Mitigation Measures for the Fukushima Daiichi Accident. <i>Energy Procedia</i> , 2013 , 34, 937-944 | 2.3 | 3 |
| 215 | Improvement of trapped field in DyBaCuO bulk by proton irradiation. <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 484, 117-119 | 1.3 | 1 |
| 214 | Active Interrogation of Nuclear Materials Using LaBr ₃ : Ce Detectors. <i>Energy Procedia</i> , 2013 , 34, 50-56 | 2.3 | 1 |
| 213 | Analysis of nuclear resonance fluorescence excitation measured with LaBr ₃ (Ce) detectors near 2MeV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 729, 102-107 | 1.2 | 4 |
| 212 | Monte Carlo simulation of response function for LaBr ₃ (Ce) detector and its internal-activity 2013 , | | 2 |
| 211 | Feasibility of LaBr ₃ (Ce) detector to measure nuclear resonance fluorescence from special nuclear materials 2013 , | | 1 |
| 210 | Pulse duration and wavelength stability measurements of a midinfrared free-electron laser. <i>Optics Letters</i> , 2013 , 38, 1068-70 | 3 | 11 |
| 209 | Demonstration of a High-Field Short-Period Undulator Using Bulk High-Temperature Superconductor. <i>Applied Physics Express</i> , 2013 , 6, 042701 | 2.4 | 7 |

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| 208 | Nuclear Resonance Fluorescence of ^{235}U Measured with High-Resolution $\text{LaBr}_3(\text{Ce})$ Scintillation Detectors. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 106401 | 1.4 | 6 |
| 207 | The immediate impact of the Fukushima Daiichi accident on local property values. <i>Risk Analysis</i> , 2013 , 33, 2023-40 | 3.9 | 16 |
| 206 | Damage threshold and focusability of mid-infrared free-electron laser pulses gated by a plasma mirror with nanosecond switching pulses. <i>Applied Physics Letters</i> , 2013 , 103, 191105 | 3.4 | 6 |
| 205 | Dipole strength distribution in ^{56}Fe . <i>Physical Review C</i> , 2013 , 87, | 2.7 | 17 |
| 204 | Development of a field measurement system for the Bulk HTSC SAU. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 032021 | 0.3 | |
| 203 | Experimental demonstration of mode-selective phonon excitation of 6H-SiC by a mid-infrared laser with anti-Stokes Raman scattering spectroscopy. <i>Applied Physics Letters</i> , 2013 , 103, 182103 | 3.4 | 4 |
| 202 | Analysis of SNIP Algorithm for Background Estimation in Spectra Measured with $\text{LaBr}_3:\text{Ce}$ Detectors. <i>Green Energy and Technology</i> , 2013 , 245-252 | 0.6 | 4 |
| 201 | Monte Carlo Calculations of γ Rays Angular Distribution Scattering from ^{11}B in (p, n) Interaction. <i>Green Energy and Technology</i> , 2013 , 197-203 | 0.6 | |
| 200 | Optimization of the New Designed FEL Beam Transport Line. <i>Green Energy and Technology</i> , 2013 , 205-216.6 | | 1 |
| 199 | Non-destructive inspection system for special nuclear material using inertial electrostatic confinement fusion neutrons and Laser Compton Scattering Gamma-rays 2012 , | | 2 |
| 198 | Low-Temperature Operation of a Bulk HTSC Staggered Array Undulator. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 4100904-4100904 | 1.8 | 33 |
| 197 | Development of the active neutron-based interrogation system with D-D neutron source for the detection of special nuclear materials 2012 , | | 2 |
| 196 | Status of mid-infrared Free-Electron Laser facility in Kyoto University 2012 , | | 1 |
| 195 | Numerical evaluation of THz FEL using photocathode RF gun in KU-FEL 2012 , | | 1 |
| 194 | Use of Fringe-Resolved Autocorrelation for the Diagnosis of the Wavelength Stability of a Free Electron Laser. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 102704 | 1.4 | |
| 193 | Single-shot spectra of temporally selected micropulses from a mid-infrared free-electron laser by upconversion. <i>Optics Letters</i> , 2012 , 37, 5148-50 | 3 | 6 |
| 192 | Nondestructive identification of isotopes using nuclear resonance fluorescence. <i>Review of Scientific Instruments</i> , 2012 , 83, 015103 | 1.7 | 8 |
| 191 | Use of Fringe-Resolved Autocorrelation for the Diagnosis of the Wavelength Stability of a Free Electron Laser. <i>Japanese Journal of Applied Physics</i> , 2012 , 51, 102704 | 1.4 | 1 |

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| 190 | Current Status of the Non-destructive Assay for ²³⁵ U and ²³⁹ Pu Toward More Secure Nuclear Power. <i>Green Energy and Technology</i> , 2012 , 319-327 | 0.6 | 0 |
| 189 | Nondestructive Isotope Detection by Using Laser Compton Scattering Gamma-Ray Based Nuclear Resonance Fluorescence. <i>The Review of Laser Engineering</i> , 2012 , 40, 188 | 0 | |
| 188 | Microwave Material Processing for Distributed Energy System. <i>Green Energy and Technology</i> , 2012 , 111-117 | | |
| 187 | Simulation of Electron Trajectory in Bulk HTSC Staggered Array Undulator. <i>Green Energy and Technology</i> , 2012 , 193-198 | 0.6 | |
| 186 | Material Analysis Laboratory in KU-FEL, Kyoto University. <i>Energy Procedia</i> , 2011 , 9, 483-490 | 2.3 | |
| 185 | Social Factors Affecting Economic Welfare of the Residents around Nuclear Power Plants in Japan. <i>Energy Procedia</i> , 2011 , 9, 619-629 | 2.3 | 11 |
| 184 | Nuclear resonance fluorescence measurements by quasi-monochromatic linearly polarized photon beams. <i>Journal of Physics: Conference Series</i> , 2011 , 312, 092056 | 0.3 | 2 |
| 183 | Nuclear power-related facilities and neighboring land price: a case study on the Mutsu-Ogawara region, Japan. <i>Risk Analysis</i> , 2011 , 31, 1969-94 | 3.9 | 5 |
| 182 | Nondestructive inspection of explosive materials using linearly polarized two-colored photon beam. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 652, 21-24 | 1.2 | 5 |
| 181 | Conceptual design of a novel insertion device using bulk superconducting magnet. <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 897-900 | 1.3 | 4 |
| 180 | Short bunch effect on tabletop THz FEL amplification. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 637, S83-S86 ^{1.2} | | 1 |
| 179 | Two-Dimensional Isotope Imaging of Radiation Shielded Materials Using Nuclear Resonance Fluorescence. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 100209 | 1.4 | 6 |
| 178 | Back bombardment for dispenser and lanthanum hexaboride cathodes. <i>Physical Review Special Topics: Accelerators and Beams</i> , 2011 , 14, | | 10 |
| 177 | Proposal of a Non-Destructive Detection System for Hidden Nuclear Materials Based on a Neutron/Gamma-ray Hybrid System. <i>Journal of the Korean Physical Society</i> , 2011 , 59, 3155-3159 | 0.6 | 2 |
| 176 | Comparison of the Heating Properties of LaB ₆ and CeB ₆ Due to the Back Comparison of the Heating Properties of LaB ₆ and CeB ₆ Due to the Back. <i>Journal of the Korean Physical Society</i> , 2011 , 59, 3273-3279 | 0.6 | 7 |
| 175 | Two-Dimensional Isotope Imaging of Radiation Shielded Materials Using Nuclear Resonance Fluorescence. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 100209 | 1.4 | 11 |
| 174 | Analysis of Transient Response of RF Gun Cavity Due to Back-Bombardment Effect in KU-FEL. <i>Green Energy and Technology</i> , 2011 , 193-200 | 0.6 | |
| 173 | Beam Stabilization by Using BPM in KU-FEL. <i>Green Energy and Technology</i> , 2011 , 187-192 | 0.6 | |

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| 172 | Microwave/Infrared-Laser Processing of Material for Solar Energy. <i>Green Energy and Technology</i> , 2011 , 100-107 | 0.6 | |
| 171 | New Septum Magnet at the SAGA Light Source. <i>IEEE Transactions on Applied Superconductivity</i> , 2010 , 20, 246-249 | 1.8 | |
| 170 | Investigation of the Effects of MIR-FEL Irradiation on the Photoluminescence of Titanium Dioxides 2010 , | | 1 |
| 169 | Zinc Plasma Emission from Zinc Oxide Ceramics under a Microwave Electric Field. <i>Japanese Journal of Applied Physics</i> , 2010 , 49, 080219 | 1.4 | 6 |
| 168 | Conceptual design of a nuclear material detection system based on the neutron / gamma-ray hybrid approach 2010 , | | 5 |
| 167 | Proposal of a Bulk HTSC Staggered Array Undulator 2010 , | | 3 |
| 166 | Improvement of an S-band RF gun with a Cs ₂ Te photocathode for the KEK-ATF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 613, 1-8 | 1.2 | 23 |
| 165 | Comparison Between the Hexaboride Materials as Thermionic Cathode in the RF Guns for a Compact MIR-FEL Driver. <i>Green Energy and Technology</i> , 2010 , 202-210 | 0.6 | 1 |
| 164 | New Material Processing and Evaluation for TiO ₂ by Microwave and Mid-Infrared Light Techniques. <i>Green Energy and Technology</i> , 2010 , 46-52 | 0.6 | |
| 163 | ? Research Activities on MIR-FEL and table top THz Generation in Kyoto University. <i>Journal of the Korean Physical Society</i> , 2010 , 57, 344-348 | 0.6 | 3 |
| 162 | Nondestructive detection of hidden chemical compounds with laser Compton-scattering gamma rays. <i>Review of Scientific Instruments</i> , 2009 , 80, 045110 | 1.7 | 26 |
| 161 | Performance of the LaBr ₃ (Ce) scintillator for nuclear resonance fluorescence experiment 2009 , | | 2 |
| 160 | Nondestructive Detection of Heavily Shielded Materials by Using Nuclear Resonance Fluorescence with a Laser-Compton Scattering γ Ray Source. <i>Applied Physics Express</i> , 2009 , 2, 036502 | 2.4 | 48 |
| 159 | Detection of radioactive isotopes by using laser Compton scattered γ ray beams. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 608, S57-S61 | 1.2 | 50 |
| 158 | Recent progress in generation and application of AIST laser-Compton gamma-ray beam. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 608, S41-S43 | 1.2 | 18 |
| 157 | Beam Energy Compensation in a Thermionic RF Gun by Cavity Detuning. <i>IEEE Transactions on Nuclear Science</i> , 2009 , 56, 1487-1491 | 1.7 | 5 |
| 156 | A New Design for Generation of Tunable Gamma-Ray With a Fixed Energy Electron Beam. <i>IEEE Transactions on Nuclear Science</i> , 2009 , 56, 1316-1320 | 1.7 | |
| 155 | Shielding Analysis for a 40-MeV Electron Linac Facility. <i>Nuclear Technology</i> , 2009 , 168, 467-471 | 1.4 | 1 |

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|-----|---|-----|----|
| 154 | Above-threshold ionization and high-order harmonic generation by mid-infrared and far-infrared laser pulses. <i>Physical Review A</i> , 2008 , 77, | 2.6 | 15 |
| 153 | Lasing at 12 μm Mid-Infrared Free-Electron Laser in Kyoto University. <i>Japanese Journal of Applied Physics</i> , 2008 , 47, 8091-8094 | 1.4 | 21 |
| 152 | Fine structure of the magnetic-dipole-strength distribution in Pb208. <i>Physical Review C</i> , 2008 , 78, | 2.7 | 61 |
| 151 | Development of IR-FEL facility for energy science in Kyoto University. <i>Infrared Physics and Technology</i> , 2008 , 51, 382-385 | 2.7 | 6 |
| 150 | The SAGA Light Source. <i>AIP Conference Proceedings</i> , 2007 , | 0 | 4 |
| 149 | Reducing Energy Degradation Due to Back-bombardment Effect with Modulated RF Input in S-band Thermionic RF Gun. <i>AIP Conference Proceedings</i> , 2007 , | 0 | 5 |
| 148 | Current Status of the SAGA Light Source Commissioning. <i>AIP Conference Proceedings</i> , 2007 , | 0 | 4 |
| 147 | Study on Energy Variable Laser-Compton Gamma-ray with a Fixed Energy Electron Beam. <i>Journal of Nuclear Science and Technology</i> , 2007 , 44, 698-702 | 1 | 5 |
| 146 | Beam charge feedback system for thermionic cathode RF-Gun 2007 , | | 1 |
| 145 | New data for total $\text{He}3(\bar{\nu}p)D$ and $\text{He}3(\bar{\nu}p)n$ cross sections compared to current theory. <i>Physical Review C</i> , 2006 , 73, | 2.7 | 13 |
| 144 | Photonuclear reaction data and $\bar{\nu}$ ray sources for astrophysics 2006 , 153-158 | | 1 |
| 143 | Photonuclear reaction data and $\bar{\nu}$ ray sources for astrophysics. <i>European Physical Journal A</i> , 2006 , 27, 153-158 | 2.5 | 8 |
| 142 | Photodisintegration cross section measurements on W186, Re187, and Os188: Implications for the Re-Os cosmochronology. <i>Physical Review C</i> , 2005 , 72, | 2.7 | 29 |
| 141 | Photoneutron cross section measurements on 186W, 187Re and 188Os for cosmochronology. <i>Nuclear Physics A</i> , 2005 , 758, 561-564 | 1.3 | |
| 140 | Long-Axis Fabry-Pérot Cavity for Intense Laser-Compton Photon Beam. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 7671-7676 | 1.4 | 2 |
| 139 | Simultaneous measurement of the photodisintegration of He4 in the giant dipole resonance region. <i>Physical Review C</i> , 2005 , 72, | 2.7 | 57 |
| 138 | Positron Annihilation Methods by $\bar{\nu}$ Rays Produced in Laser-Induced Compton-Backscattering. <i>Materials Science Forum</i> , 2004 , 445-446, 474-476 | 0.4 | 2 |
| 137 | Simulations of beam-beam interaction in an energy recovery linac. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 528, 134-138 | 1.2 | |

- 136 Measurements of the beam quality on KU-FEL linac. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2004**, 528, 366-370^{1.2} 2
- 135 Improvement of beam macropulse properties using slim thermionic cathode in IAE RF gun. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2004**, 528, 408-411 1.2
- 134 Investigation of carbon contamination on SR-irradiated devices. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2004**, 527, 624-631 1.2 5
- 133 Photonuclear reaction studies at synchrotron radiation facilities in Japan. *Nuclear Physics A*, **2004**, 738, 136-142 1.3 4
- 132 s-process branching at W185 revised. *Physical Review C*, **2004**, 69, 2.7 27
- 131 Simulations of beam-beam interaction in an energy recovery linac **2004**, 134-138
- 130 Measurements of the beam quality on KU-FEL linac **2004**, 366-370
- 129 Improvement of beam macropulse properties using slim thermionic cathode in IAE RF gun **2004**, 408-411
- 128 Design studies of IR-FEL system at IAE, Kyoto University **2003**, 150-153
- 127 Design studies of IR-FEL system at IAE, Kyoto University. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2003**, 507, 150-153^{1.2} 9
- 126 Improvement of electron beam properties by reducing back-bombardment effects in a thermionic RF gun. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2003**, 507, 340-344 1.2 4
- 125 Photodisintegration cross sections of ^3He and ^4He at low energies. *Nuclear Physics A*, **2003**, 718, 23-26 1.3 4
- 124 A new astrophysical probe and its applications. *Nuclear Physics A*, **2003**, 718, 199-206 1.3 9
- 123 A simulation study on energy recovery from spent electron beams in an S-band linac. *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment*, **2003**, 507, 133-136 1.2 2
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| 9 | Lattice design of Saga synchrotron light source | 2 |
| 8 | The Saga synchrotron light source in 2003 | 4 |
| 7 | Feasibility Study on Introducing A Superconducting Wiggler to SAGA Light Source | 2 |
| 6 | Commissioning of SAGA Light Source | 1 |
| 5 | The Injection System of Saga Light Source | 1 |
| 4 | Comprehensive simulation study on CT isotope imaging beyond the experiment on the ^{208}Pb based on nuclear resonance fluorescence. <i>Journal of Nuclear Science and Technology</i> ,1-13 | 1 |
| 3 | Development of Soft X-Ray Sources with Electron Guns of Field Emission- and Thermal Cathode-Types and Their Application to Counter Experiments | 2 |
| 2 | Super High Resolution Measurement of Fine Structure in the Total Photonuclear Cross Section of ^{13}C | 2 |
| 1 | Fine Structure of Giant Resonance in the $^{28}\text{Si}(\pi\text{abs})$ Reaction | 4 |