

Hiroaki Nakamura

List of Publications by Year in descending order

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1,037
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471371

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526166

27
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134
all docs

134
docs citations

134
times ranked

674
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Non-Abelian gauge field theory of the spin-orbit interaction and a perfect spin filter. Physical Review A, 2007, 75, . | 1.0 | 100 |
| 2 | Quasibound States in the Continuum in a Two Channel Quantum Wire with an Adatom. Physical Review Letters, 2007, 99, 210404. | 2.9 | 54 |
| 3 | Molecular Dynamics Simulation of the Chemical Interaction between Hydrogen Atom and Graphene. Journal of the Physical Society of Japan, 2008, 77, 114602. | 0.7 | 48 |
| 4 | Hybrid simulation research on formation mechanism of tungsten nanostructure induced by helium plasma irradiation. Journal of Nuclear Materials, 2015, 463, 109-115. | 1.3 | 48 |
| 5 | Molecular dynamics simulation of a helium bubble bursting on tungsten surfaces. Physica Scripta, 2014, T159, 014062. | 1.2 | 38 |
| 6 | Comparison of Damages on Tungsten Surface Exposed to Noble Gas Plasmas. Plasma Science and Technology, 2013, 15, 282-286. | 0.7 | 33 |
| 7 | Molecular dynamics simulation of hydrogen atom sputtering on the surface of graphite with defect and edge. Journal of Nuclear Materials, 2009, 390-391, 183-187. | 1.3 | 31 |
| 8 | Molecular dynamics simulation of collisions between hydrogen and graphite. Journal of Plasma Physics, 2006, 72, 805. | 0.7 | 29 |
| 9 | First-Principles Investigation on Trapping of Multiple Helium Atoms within a Tungsten Monovacancy. Japanese Journal of Applied Physics, 2013, 52, 01AL03. | 0.8 | 28 |
| 10 | Reduction of contact resistance at terminations of bismuth wire arrays. Review of Scientific Instruments, 2005, 76, 113902. | 0.6 | 26 |
| 11 | Electronic transport properties of a bismuth microwire array in a magnetic field. Journal of Applied Physics, 2005, 97, 083907. | 1.1 | 26 |
| 12 | Binary-collision-approximation-based simulation of noble gas irradiation to tungsten materials. Journal of Nuclear Materials, 2013, 438, S895-S898. | 1.3 | 22 |
| 13 | Aspect ratio dependence of magnetoresistivity in polycrystalline bismuth microwire arrays. Journal of Applied Physics, 2007, 101, 033704. | 1.1 | 21 |
| 14 | Hydrogen isotope sputtering of graphite by molecular dynamics simulation. Thin Solid Films, 2008, 516, 6553-6559. | 0.8 | 20 |
| 15 | The Free Energy and the Scaling Function of the Ferromagnetic Heisenberg Chain in a Magnetic Field. Journal of the Physical Society of Japan, 1994, 63, 2563-2571. | 0.7 | 19 |
| 16 | Influence of the band structure of BiSb alloy on the magneto-Seebeck coefficient. Journal of Applied Physics, 2008, 104, . | 1.1 | 19 |
| 17 | First-Principles Study on Migration of Vacancy in Tungsten. Plasma and Fusion Research, 2014, 9, 3401117-3401117. | 0.3 | 17 |
| 18 | Triple Hybrid Simulation Method for Tungsten Fuzzy Nanostructure Formation. Plasma and Fusion Research, 2018, 13, 3403061-3403061. | 0.3 | 17 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Universal low-temperature properties of quantum and classical ferromagnetic chains. Physical Review B, 1996, 54, R744-R747. | 1.1 | 16 |
| 20 | Molecular Dynamics Simulation for Structure Formation of Single Polymer Chain in Solution. Journal of the Physical Society of Japan, 2006, 75, 024605. | 0.7 | 16 |
| 21 | Hybrid simulation between molecular dynamics and binary collision approximation codes for hydrogen injection into carbon materials. Journal of Nuclear Materials, 2011, 415, S208-S211. | 1.3 | 15 |
| 22 | Quantum Nernst effect. Solid State Communications, 2005, 135, 510-514. | 0.9 | 14 |
| 23 | Power factor enhancement in a magnetic field using polycrystalline bismuth microwire arrays. Journal of Applied Physics, 2007, 102, 073701. | 1.1 | 14 |
| 24 | FDTD simulation of tapered structure of near-field fiber probe. Computer Physics Communications, 2001, 142, 464-467. | 3.0 | 12 |
| 25 | Phase diagram for self-assembly of amphiphilic molecule C12E6 by dissipative particle dynamics simulation. Computer Physics Communications, 2005, 169, 139-143. | 3.0 | 11 |
| 26 | Numerical analysis of the magneto-Seebeck effect of bismuth with anisotropic band structure. Journal of Applied Physics, 2008, 103, 043717. | 1.1 | 11 |
| 27 | How to Combine Binary Collision Approximation and Multi-Body Potential for Molecular Dynamics. Progress in Nuclear Science and Technology, 2011, 2, 44-50. | 0.3 | 11 |
| 28 | Tungsten-Surface-Structure Dependence of Sputtering Yield for a Noble Gas. Plasma and Fusion Research, 2016, 11, 2401080-2401080. | 0.3 | 10 |
| 29 | Simulation of Electric Quadrupole and Magnetic Dipole Transition Efficiencies in Optical Near Fields Generated by a Subwavelength Slit Array. Journal of the Physical Society of Japan, 2009, 78, 024301. | 0.7 | 9 |
| 30 | Spatial Resolution of Near-Field Scanning Optical Microscopy with Sub-Wavelength Aperture. Progress of Theoretical Physics Supplement, 2000, 138, 173-174. | 0.2 | 8 |
| 31 | Virtual reality system to visualize and auralize numerical simulation data. Computer Physics Communications, 2001, 142, 227-230. | 3.0 | 8 |
| 32 | Fundamental relation between longitudinal and transverse conductivities in the quantum Hall system. Journal of Physics Condensed Matter, 2009, 21, 345803. | 0.7 | 8 |
| 33 | Modified Improved Interpolating Moving Least Squares Method for Meshless Approaches. IEEE Transactions on Magnetics, 2019, 55, 1-4. | 1.2 | 8 |
| 34 | Kinetics of double strand breaks of DNA in tritiated water evaluated using single molecule observation method. Fusion Engineering and Design, 2019, 146, 100-102. | 1.0 | 8 |
| 35 | Neutral transport code for rovibrational population calculation of molecular hydrogen in large helical device plasmas. Contributions To Plasma Physics, 2020, 60, e201900153. | 0.5 | 8 |
| 36 | Computational strategy for studying structural change of tritium-substituted macromolecules by a beta decay to helium-3. Journal of Advanced Simulation in Science and Engineering, 2019, 6, 94-99. | 0.1 | 8 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Transport Coefficients of Indium Antimonide in a Magnetic Field. Japanese Journal of Applied Physics, 1999, 38, 5745-5749. | 0.8 | 7 |
| 38 | Extension of Binary-Collision-Approximation-Based Simulation Applicable to Any Structured Target Material. Japanese Journal of Applied Physics, 2011, 50, 01AB03. | 0.8 | 7 |
| 39 | Molecular dynamics study on DNA damage by tritium disintegration. Japanese Journal of Applied Physics, 2020, 59, SAAE01. | 0.8 | 7 |
| 40 | Impurity Effect in the Quantum Nernst Effect. E-Journal of Surface Science and Nanotechnology, 2005, 3, 518-523. | 0.1 | 7 |
| 41 | Molecular Dynamics Simulation of the Incident Angle Dependence of Reactions between Graphene and Hydrogen Atom. Plasma and Fusion Research, 2010, 5, S2076-S2076. | 0.3 | 7 |
| 42 | Universal Finite-Size Scaling Function of the Ferromagnetic Heisenberg Chain in a Magnetic Field. Journal of the Physical Society of Japan, 1995, 64, 1955-1966. | 0.7 | 6 |
| 43 | Dependence of a self-assembled amphiphile structure on the interaction between hydrophilic groups. Journal of Plasma Physics, 2006, 72, 1001. | 0.7 | 6 |
| 44 | Erosion of Graphene in Hydrogen Atom Gas. Japanese Journal of Applied Physics, 2008, 47, 4715. | 0.8 | 6 |
| 45 | Molecular Dynamics Simulation of Micellar Shape Change in Amphiphilic Solution. Plasma and Fusion Research, 2011, 6, 2401040-2401040. | 0.3 | 6 |
| 46 | Automatic kinetic Monte-Carlo modeling for impurity atom diffusion in grain boundary structure of tungsten material. Nuclear Materials and Energy, 2017, 12, 353-360. | 0.6 | 6 |
| 47 | Molecular dynamics simulation model of hydrogen recycling on carbon divertor for neutral transport analysis in large helical device. Contributions To Plasma Physics, 2020, 60, e201900152. | 0.5 | 6 |
| 48 | Anisotropic Bond Orientation of Amorphous Carbon by Deposition. Japanese Journal of Applied Physics, 2012, 51, 01AC05. | 0.8 | 6 |
| 49 | Universal Finite-Size Scaling Function of the Ferromagnetic Heisenberg Chain in a Magnetic Field. II "Nonlinear Susceptibility". Journal of the Physical Society of Japan, 1995, 64, 4142-4155. | 0.7 | 5 |
| 50 | Effect of Molecular Rigidity on Micelle Formation in Amphiphilic Solution. Plasma and Fusion Research, 2010, 5, S2114-S2114. | 0.3 | 5 |
| 51 | Reaction between graphene and hydrogen under oblique injection. Journal of Applied Physics, 2011, 110, 084320. | 1.1 | 5 |
| 52 | Structural Change of Single-Crystalline Graphite under Plasma Irradiation. Japanese Journal of Applied Physics, 2013, 52, 01AL02. | 0.8 | 5 |
| 53 | Evaluation of Mechanical Torque Acting on Scatterer in Microwave Vortex Fields. IEEE Microwave and Wireless Components Letters, 2019, 29, 504-506. | 2.0 | 5 |
| 54 | Progress of Binary-Collision-Approximation-Based Simulation for Surface Erosion by Plasma Irradiation. Communications in Computer and Information Science, 2014, , 176-186. | 0.4 | 5 |

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|----|--|-----|-----------|
| 55 | Structural Changes in Tritium-Substituted Polymeric Materials by Beta Decays: A Molecular Dynamics Study. <i>Plasma and Fusion Research</i> , 2019, 14, 3401106-3401106. | 0.3 | 5 |
| 56 | Extension of Binary-Collision-Approximation-Based Simulation Applicable to Any Structured Target Material. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 01AB03. | 0.8 | 5 |
| 57 | Molecular Dynamics Simulation of Chemical Vapor Deposition of Amorphous Carbon: Dependence on H/C Ratio of Source Gas. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 01AB01. | 0.8 | 4 |
| 58 | Grain size dependence of penetration depth of hydrogen injection into polycrystalline graphite by molecular simulation. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 11RF04. | 0.8 | 4 |
| 59 | FEM Simulation of Axisymmetric Pellet Injection System Using HTS Linear Acceleration. <i>Plasma and Fusion Research</i> , 2019, 14, 3401077-3401077. | 0.3 | 4 |
| 60 | Structural change of damaged polyethylene by beta-decay of substituted tritium using reactive force field. <i>Japanese Journal of Applied Physics</i> , 2021, 60, SAAB06. | 0.8 | 4 |
| 61 | Gap-mediated magnetization of a pseudo-one-dimensional system with a spin-orbit interaction. <i>Solid State Communications</i> , 2007, 141, 79-83. | 0.9 | 3 |
| 62 | Energy Current on Multi-Body Potential with Dirac Delta Function. <i>Progress of Theoretical Physics Supplement</i> , 2009, 178, 107-112. | 0.2 | 3 |
| 63 | Dissipative Particle Dynamics Simulation of Phase Behavior in Bolaamphiphilic Solution. <i>Plasma and Fusion Research</i> , 2011, 6, 2401116-2401116. | 0.3 | 3 |
| 64 | Temperature distribution in nano-devices under a strong magnetic field. <i>Computer Physics Communications</i> , 2011, 182, 90-92. | 3.0 | 3 |
| 65 | Temperature Distribution in Two-Dimensional Electron Gases under a Strong Magnetic Field. <i>Journal of Electronic Materials</i> , 2011, 40, 529-532. | 1.0 | 3 |
| 66 | Quantum Oscillations of Thermoelectric Effects in a Pseudo-one-dimensional Electron Gas With a Spin-Orbit Interaction. <i>Journal of Electronic Materials</i> , 2011, 40, 601-605. | 1.0 | 3 |
| 67 | Molecular Dynamics Simulation of Hydrogen Injection onto Diamond Surfaces. <i>Japanese Journal of Applied Physics</i> , 0, 50, 01AB04. | 0.8 | 3 |
| 68 | Accurate and Stable Numerical Method for Analyzing Shielding Current Density in High-Temperature Superconducting Film Containing Cracks. <i>Plasma and Fusion Research</i> , 2012, 7, 2405024-2405024. | 0.3 | 3 |
| 69 | Plasma Model for Energy Transformation Mechanism of Non-Thermal Microwave Effect. <i>Plasma and Fusion Research</i> , 2012, 7, 1206012-1206012. | 0.3 | 3 |
| 70 | Formation and Classification of Amorphous Carbon by Molecular Dynamics Simulation. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 01AL04. | 0.8 | 3 |
| 71 | Molecular Dynamics Simulation of Micellar Shape Transition in Amphiphilic Solutions. <i>Plasma and Fusion Research</i> , 2014, 9, 3401067-3401067. | 0.3 | 3 |
| 72 | Manifold Correction Method for the Nosé-Hoover and Nosé-Poincaré Molecular Dynamics Simulations. <i>Journal of the Physical Society of Japan</i> , 2014, 83, 024003. | 0.7 | 3 |

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|----|--|-----|-----------|
| 73 | High-Speed Algorithm for Shielding Current Analysis in HTS Film with Cracks. Plasma and Fusion Research, 2015, 10, 3405023-3405023. | 0.3 | 3 |
| 74 | Molecular Dynamics Simulation of Phase Behavior in a Bolaamphiphilic Solution. Plasma and Fusion Research, 2015, 10, 3401029-3401029. | 0.3 | 3 |
| 75 | Determination of dynamical changes in sputtering and retention on bubble-growing tungsten under helium plasma irradiation by binary-collision-approximation-based simulation. Japanese Journal of Applied Physics, 2016, 55, 01AH07. | 0.8 | 3 |
| 76 | Finite-difference time-domain analysis of electromagnetic wave propagation in corrugated waveguide: Effect of miter bend/polarizer miter bend. Japanese Journal of Applied Physics, 2016, 55, 01AH06. | 0.8 | 3 |
| 77 | An Intuitive Interface for Visualizing Numerical Data in a Head-Mounted Display with Gesture Control. Plasma and Fusion Research, 2016, 11, 2406060-2406060. | 0.3 | 3 |
| 78 | Sputtering Yield of Noble Gas Irradiation onto Tungsten Surface. Journal of Advanced Simulation in Science and Engineering, 2016, 3, 165-172. | 0.1 | 3 |
| 79 | Examination of Temperature Dependence of Chemical Sputtering on Graphite by Comparing the Langevin and Berendsen Thermostats. Plasma and Fusion Research, 2010, 5, S2020-S2020. | 0.3 | 3 |
| 80 | Molecular Dynamics Simulation of Hydrogen Injection onto Diamond Surfaces. Japanese Journal of Applied Physics, 2011, 50, 01AB04. | 0.8 | 3 |
| 81 | Dynamical process of coalescence of domains in a short chain-molecule system. Computer Physics Communications, 2001, 142, 127-130. | 3.0 | 2 |
| 82 | FDTD Simulated Observation of a Gold Nanorod by Scanning Near-Field Optical Microscopy. Plasma and Fusion Research, 2010, 5, S2110-S2110. | 0.3 | 2 |
| 83 | Haptization on Numerical Simulation of Plasma. IEEE Transactions on Plasma Science, 2010, 38, 2974-2979. | 0.6 | 2 |
| 84 | Anisotropic Graphite Erosion in Low-Temperature and High-Density Deuterium Plasma. Japanese Journal of Applied Physics, 2012, 51, 01AB03. | 0.8 | 2 |
| 85 | Anisotropic Bond Orientation of Amorphous Carbon by Deposition. Japanese Journal of Applied Physics, 2012, 51, 01AC05. | 0.8 | 2 |
| 86 | Application of Collocation Meshless Method to Eigenvalue Problem. Plasma and Fusion Research, 2012, 7, 2406096-2406096. | 0.3 | 2 |
| 87 | Thermomagnetic Effect in the Quantum Hall System. Journal of Electronic Materials, 2012, 41, 1540-1545. | 1.0 | 2 |
| 88 | Current-Induced Cooling Phenomenon in a Two-Dimensional Electron Gas Under a Magnetic Field. Journal of Low Temperature Physics, 2013, 172, 132-153. | 0.6 | 2 |
| 89 | Finite-Difference Time-Domain Simulation on Transmission of Millimeter Waves through Miter Bends. Japanese Journal of Applied Physics, 2013, 52, 11ND02. | 0.8 | 2 |
| 90 | Meshless Time-Domain Method with Modified RPIM-Based Shape Functions for Electromagnetic Wave Propagation Simulation in Complex Shaped Domain. Plasma and Fusion Research, 2014, 9, 3401088-3401088. | 0.3 | 2 |

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|-----|---|-----|-----------|
| 91 | Material Temperature Dependence of the Retention and Sputtering Yield of Single-Crystal Graphite under Hydrogen Plasma Irradiation. Plasma and Fusion Research, 2015, 10, 3403075-3403075. | 0.3 | 2 |
| 92 | Effect of polycrystalline structure on helium plasma irradiation of tungsten materials. Japanese Journal of Applied Physics, 2018, 57, 01AB06. | 0.8 | 2 |
| 93 | Image processing method for automatic measurement of number of DNA breaks. Journal of Advanced Simulation in Science and Engineering, 2021, 8, 173-193. | 0.1 | 2 |
| 94 | Numerical Investigation on Accuracy and Resolution of Contactless Methods for Measuring C in High-Temperature Superconducting Film: Inductive Method and Permanent Magnet Method. Plasma and Fusion Research, 2012, 7, 2405017-2405017. | 0.3 | 2 |
| 95 | Development of a Molecular Dynamics Method with Heat Transfer into Bulk for Ion Injection into Materials. Plasma and Fusion Research, 2020, 15, 2403073-2403073. | 0.3 | 2 |
| 96 | Bracelet-Shaped Thermal Display for Representing Numerical Data. Journal of Electronic Materials, 2011, 40, 823-829. | 1.0 | 1 |
| 97 | Numerical Simulation of Electromagnetic Wave Propagation using Time Domain Meshless Method. Plasma and Fusion Research, 2012, 7, 2406044-2406044. | 0.3 | 1 |
| 98 | Faster Generation of Shape Functions in Meshless Time Domain Method. Plasma and Fusion Research, 2014, 9, 3401144-3401144. | 0.3 | 1 |
| 99 | Speed-Up Technique of Extended Boundary Node Method for Large-Scale Simulation. Plasma and Fusion Research, 2014, 9, 3401061-3401061. | 0.3 | 1 |
| 100 | Numerical Investigations on Crack Identification in High-Temperature Superconducting Film. Plasma and Fusion Research, 2014, 9, 3405085-3405085. | 0.3 | 1 |
| 101 | Molecular simulation of hydrogen plasma irradiation into bubble-formed tungsten material. , 2015, , . | | 1 |
| 102 | Simulation of Contactless Crack Detection in HTS Films: Application of H -Matrix Method to Fast Matrix-Vector Multiplication. Plasma and Fusion Research, 2016, 11, 2401043-2401043. | 0.3 | 1 |
| 103 | Krylov Subspace Method with Communication Avoiding Technique for Linear System Obtained from Electromagnetic Analysis. Plasma and Fusion Research, 2016, 11, 2406021-2406021. | 0.3 | 1 |
| 104 | Dissipative Particle Dynamics Simulation of Self-Assembly in a Bolaamphiphilic Solution. Plasma and Fusion Research, 2016, 11, 2401073-2401073. | 0.3 | 1 |
| 105 | Binary-collision-approximation simulation on sputtering phenomena of nano-structured tungsten. , 2017, , . | | 1 |
| 106 | Comparison of induced damage, range, reflection, and sputtering yield between amorphous, bcc crystalline, and bubble-containing tungsten materials under hydrogen isotope and noble gas plasma irradiations. Japanese Journal of Applied Physics, 2017, 56, 01AF04. | 0.8 | 1 |
| 107 | Multi-Objective Optimization of Superconducting Linear Acceleration System for Pellet Injection by Using Finite Element Method. Plasma and Fusion Research, 2021, 16, 2401025-2401025. | 0.3 | 1 |
| 108 | Isotope effect of rovibrational distribution of hydrogen molecules desorbed from amorphous carbon. Japanese Journal of Applied Physics, 0, , . | 0.8 | 1 |

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|-----|--|-----|-----------|
| 109 | A theoretical approach to structural change of a polymer induced by beta decays of substituted tritium based on the linear response theory. Journal of Advanced Simulation in Science and Engineering, 2021, 8, 211-222. | 0.1 | 1 |
| 110 | Rigidity of Orientationally Ordered Domains of Short Chain Molecules. Journal of the Physical Society of Japan, 2001, 70, 943-946. | 0.7 | 1 |
| 111 | Comparison of Hydrogen Adsorption on Diamond and Graphite Surfaces. Plasma and Fusion Research, 2010, 5, S2072-S2072. | 0.3 | 1 |
| 112 | Molecular Dynamics Simulation of Chemical Vapor Deposition of Amorphous Carbon: Dependence on H/C Ratio of Source Gas. Japanese Journal of Applied Physics, 2011, 50, 01AB01. | 0.8 | 1 |
| 113 | Construction of Integrated Virtual Environment for Numerical Simulation and Visualization in Immersive Projection Technology. IEEJ Transactions on Electronics, Information and Systems, 2006, 126, 401-402. | 0.1 | 1 |
| 114 | Investigation of Numerical Stability of Electromagnetic Wave Propagation Simulation using Meshless Time-Domain Method. Plasma and Fusion Research, 2013, 8, 2401101-2401101. | 0.3 | 1 |
| 115 | Three-Dimensional Analysis of Electromagnetic Wave Propagation using Meshless Time Domain Method. Plasma and Fusion Research, 2013, 8, 2401061-2401061. | 0.3 | 1 |
| 116 | Molecular dynamics simulation for hydrogen recycling on tungsten divertor for neutral transport analysis. Japanese Journal of Applied Physics, 2021, 60, SAAB08. | 0.8 | 1 |
| 117 | Rate of double strand breaks of genome-sized DNA in tritiated water: Its dependence on tritium concentration and water temperature. Journal of Advanced Simulation in Science and Engineering, 2022, 9, 198-205. | 0.1 | 1 |
| 118 | Dynamics of orientationally ordered domains in a short chain-molecule system: Size dependence of domain oscillation. Computer Physics Communications, 2002, 147, 346-349. | 3.0 | 0 |
| 119 | Transport-Coefficient Dependence of Current-Induced Cooling Effect in a Two-Dimensional Electron Gas. Journal of Electronic Materials, 2012, 41, 1535-1539. | 1.0 | 0 |
| 120 | Numerical Method for Analyzing Shielding Current Density in HTS Film with Multiple-Layer/Multiply-Connected Structure. Plasma and Fusion Research, 2013, 8, 2405078-2405078. | 0.3 | 0 |
| 121 | Transmission Efficiency in Complex-Shaped Waveguide using Real Metals. Plasma and Fusion Research, 2014, 9, 3401074-3401074. | 0.3 | 0 |
| 122 | Numerical Simulation of Contactless Methods for Measuring j_C in High-Temperature Superconducting Film: Influence of Defect on Resolution and Accuracy. Plasma and Fusion Research, 2014, 9, 3401129-3401129. | 0.3 | 0 |
| 123 | Binary-collision-approximation simulation for noble gas irradiation onto plasma facing materials. Journal of Physics: Conference Series, 2014, 490, 012169. | 0.3 | 0 |
| 124 | Study of tritium desorption by energetic ion bombardment from tungsten material. Japanese Journal of Applied Physics, 2016, 55, 01AH11. | 0.8 | 0 |
| 125 | Performance Improvement of Extended Boundary Node Method for Solving Elliptic Boundary-Value Problems. Plasma and Fusion Research, 2016, 11, 2401062-2401062. | 0.3 | 0 |
| 126 | Speedup of Shielding Current Analysis in High-Temperature Superconducting Film: Implementation of H-Matrix Method. Plasma and Fusion Research, 2016, 11, 2405041-2405041. | 0.3 | 0 |

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|-----|--|-----|-----------|
| 127 | Dissipative Particle Dynamics Simulation for Self-Assembly of Symmetric Bolaamphiphilic Molecules in Solution. Plasma and Fusion Research, 2018, 13, 3401095-3401095. | 0.3 | 0 |
| 128 | A Mesh-Generation Scheme for the Large Helical Device Based on the Structure of Magnetic-Field Lines. Plasma and Fusion Research, 2021, 16, 2401086-2401086. | 0.3 | 0 |
| 129 | Implicit Function with Natural Behavior over Entire Domain. Plasma and Fusion Research, 2012, 7, 2406068-2406068. | 0.3 | 0 |
| 130 | Anisotropic Graphite Erosion in Low-Temperature and High-Density Deuterium Plasma. Japanese Journal of Applied Physics, 2012, 51, 01AB03. | 0.8 | 0 |
| 131 | Numerical Investigations on Detectability of Crack by Contactless <i>j</i><sub>C</sub>-Measurement Method. Plasma and Fusion Research, 2013, 8, 2401025-2401025. | 0.3 | 0 |
| 132 | Volume Rendering Method Applied to 3D Edge Impurity Emission in LHD to Produce Projection Image in Arbitrary Plane. Plasma and Fusion Research, 2019, 14, 3406084-3406084. | 0.3 | 0 |
| 133 | Hybrid Method Incorporated with Meshless Approach for Electromagnetic Wave Simulation. Plasma and Fusion Research, 2020, 15, 2401026-2401026. | 0.3 | 0 |