

# Noriyasu Ohno

## List of Publications by Year in descending order

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docs citations

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times ranked

1819  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Photoelectrochemical properties of plasma-induced nanostructured tungsten oxide. Applied Surface Science, 2022, 580, 151979.   | 6.1 | 10        |
| 2  | Nitrogen Atom Density Measurements in NAGDIS-T Using Vacuum Ultraviolet Absorption Spectroscopy. Plasma and Fusion Research, 2022, 17, 1201004-1201004.  | 0.7 | 0         |
| 3  | An approach to implement a heat flux limit in a model for fusion relevant plasmas. Physics of Plasmas, 2022, 29, .   | 1.9 | 1         |
| 4  | Changes in morphology and field emission property of nano-tendrils bundles after high temperature annealing. Nuclear Materials and Energy, 2022, 31, 101178.                                       | 1.3 | 6         |
| 5  | Isotope Effect for Plasma Detachment in Helium and Hydrogen/Deuterium Mixture Plasmas. Plasma and Fusion Research, 2022, 17, 2402027-2402027.  | 0.7 | 0         |
| 6  | Measurement of the Bidirectional Reflectance Distribution Function of Tungsten Surface Sputtered in Argon Plasma. Plasma and Fusion Research, 2022, 17, 2405041-2405041.                           | 0.7 | 4         |
| 7  | Nano-tendrils bundles behavior under plasma-relevant electric fields. Vacuum, 2021, 183, 109799.   | 3.5 | 5         |
| 8  | Doppler and Stark Broadenings of He II Emission in NAGDIS-PG. Plasma and Fusion Research, 2021, 16, 1202013-1202013.   | 0.7 | 0         |
| 9  | Fabrication of nanostructured Ti thin film with Ti deposition in He plasmas. Japanese Journal of Applied Physics, 2021, 60, 038004.  | 1.5 | 7         |
| 10 | Influence of Nitrogen Ratio on Plasma Detachment during Combined Seeding with Hydrogen on Divertor Simulation Experiment of GAMMA 10/PDX. Plasma and Fusion Research, 2021, 16, 2402041-2402041.   | 0.7 | 4         |
| 11 | Computer Tomography on Divertor Impurity Monitor for ITER with Minimizing Errors in a Logarithmic Scale. Plasma and Fusion Research, 2021, 16, 2405019-2405019.                                    | 0.7 | 7         |
| 12 | Modeling of the impurity-induced silicon nanocone growth by low energy helium plasma irradiation. Plasma Science and Technology, 2021, 23, 045503.   | 1.5 | 2         |
| 13 | Accelerated/reduced growth of tungsten fuzz by deposition of metals. Journal of Nuclear Materials, 2021, 548, 152844.  | 2.7 | 18        |
| 14 | Enhancement of Arc Ignition on Tungsten in Helium Plasmas with Impurity Gases. Plasma and Fusion Research, 2021, 16, 2405069-2405069.  | 0.7 | 5         |
| 15 | Thermal treatment of W large-scale fiberform nanostructures. Physica Scripta, 2021, 96, 094004.  | 2.5 | 1         |
| 16 | The dependence of Mo ratio on the formation of uniform black silicon by helium plasma irradiation. Journal Physics D: Applied Physics, 2021, 54, 405202.   | 2.8 | 6         |
| 17 | Enhanced photocatalytic ethylene decomposition with anatase-rutile mixed nanostructures formed by He plasma treatment. Journal of Photochemistry and Photobiology A: Chemistry, 2021, 418, 113420. | 3.9 | 9         |
| 18 | Tungsten Large-Scale Fiberform Nanostructures Retained under High Temperature Conditions. Plasma and Fusion Research, 2021, 16, 1206001-1206001.   | 0.7 | 2         |

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|----|--|-----|-----------|
| 19 | Overheating of Nanostructured Tendril Bundles due to Thermo-Field Emission. , 2021, , .  |     | 0         |
| 20 | Growth of Mo Large-Scale Fiberform Nanostructures. Plasma and Fusion Research, 2021, 16, 1206105-1206105.  | 0.7 | 2         |
| 21 | Photocatalytic application of helium plasma induced nanostructured tungsten oxides. Japanese Journal of Applied Physics, 2020, 59, SAAB04.                                       | 1.5 | 5         |
| 22 | Detached helium plasma simulation by a one-dimensional fluid code with detailed collisional-radiative model. Physics of Plasmas, 2020, 27, 102505.                               | 1.9 | 10        |
| 23 | Helium-W co-deposition layer: TEM observation and D retention. Journal of Nuclear Materials, 2020, 540, 152350.  | 2.7 | 6         |
| 24 | The influence of impurities on the formation of nanocone structures on silicon surface irradiated by low energy helium plasma. Journal of Applied Physics, 2020, 128, .          | 2.5 | 7         |
| 25 | Effect of temperature and incident ion energy on nanostructure formation on silicon exposed to helium plasma. Plasma Processes and Polymers, 2020, 17, 2000126.                  | 3.0 | 5         |
| 26 | Evaluation of axial decay length of plasma pressure in detached plasma. Nuclear Materials and Energy, 2020, 25, 100812.  | 1.3 | 1         |
| 27 | Tungsten fuzz: Deposition effects and influence to fusion devices. Nuclear Materials and Energy, 2020, 25, 100828.   | 1.3 | 15        |
| 28 | Size distribution of nano-tendril bundles with various additional impurity gases. Nuclear Materials and Energy, 2020, 25, 100843.  | 1.3 | 2         |
| 29 | Inspection of Arc Trails Formed in Stellarator/Heliotron Devices W7-X and LHD. Plasma and Fusion Research, 2020, 15, 2402012-2402012.  | 0.7 | 5         |
| 30 | First EMC3&EIRENE modelling of JT&60SA edge plasmas with/without resonant magnetic perturbation field. Contributions To Plasma Physics, 2020, 60, e201900114.                    | 1.1 | 0         |
| 31 | Spatiotemporal dynamics of cross-field ejection events in recombining detached plasma. Plasma Physics and Controlled Fusion, 2020, 62, 075011.                                   | 2.1 | 9         |
| 32 | Microstructure and Retention in He-W Co-Deposition Layer. Plasma and Fusion Research, 2020, 15, 1201004-1201004.   | 0.7 | 5         |
| 33 | Application of dynamic mode decomposition to rotating structures in detached linear plasmas. Physics of Plasmas, 2020, 27, .   | 1.9 | 7         |
| 34 | Unipolar arc plasmas on nanostructured tungsten surfaces under perpendicular magnetic field. Plasma Sources Science and Technology, 2020, 29, 125015.                            | 3.1 | 7         |
| 35 | Dust Formation from Arc Spots on Nanostructured Tungsten Surface. Plasma and Fusion Research, 2020, 15, 1205061-1205061.   | 0.7 | 3         |
| 36 | Thin film and noble metal loading effects on the photocatalytic reactivity of helium-plasma-induced nanostructured tungsten oxides. Materials Research Express, 2020, 7, 075007. | 1.6 | 5         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Plasma Potential Measurement in Detached Plasmas by Emissive Probe Considering Space-Charge-Limited Effect. Plasma and Fusion Research, 2020, 15, 1301082-1301082.                            | 0.7 | 1         |
| 38 | Dynamics of Hydrogen Isotope Absorption and Emission of Neutron-Irradiated Tungsten. Plasma and Fusion Research, 2020, 15, 1505081-1505081.   | 0.7 | 3         |
| 39 | Photocatalytic decomposition of ethylene using He plasma induced nano-TiO <sub>2</sub> . Japanese Journal of Applied Physics, 2019, 58, 070903.   | 1.5 | 7         |
| 40 | Generation of Spiral Shape Nitrogen Recombining Plasma for Atomic Nitrogen Source. Plasma and Fusion Research, 2019, 14, 3401069-3401069.   | 0.7 | 3         |
| 41 | Spatial and temporal measurement of recombining detached plasmas by laser Thomson scattering. Plasma Sources Science and Technology, 2019, 28, 105015.  | 3.1 | 7         |
| 42 | Field Emission From Nanostructured Tendril Bundles. IEEE Transactions on Plasma Science, 2019, 47, 5186-5190.   | 1.3 | 17        |
| 43 | Development of Thomson Scattering Measurement System for Upstream Plasmas in the NAGDIS-II Device. Plasma and Fusion Research, 2019, 14, 2405031-2405031.                                     | 0.7 | 5         |
| 44 | Influence of heavier impurity deposition on surface morphology development and sputtering behavior explored in multiple linear plasma devices. Nuclear Materials and Energy, 2019, 18, 67-71. | 1.3 | 14        |
| 45 | Characterization of He Induced Nanostructures Using SEM Image Analysis. Plasma and Fusion Research, 2019, 14, 3402049-3402049.  | 0.7 | 1         |
| 46 | Helium-plasma-induced straight nanofiber growth on HCP metals. Acta Materialia, 2019, 181, 342-351.   | 7.9 | 15        |
| 47 | Fabrication of a nanostructured TiO <sub>2</sub> photocatalyst using He plasma-irradiated tungsten and ethylene gas decomposition. Japanese Journal of Applied Physics, 2019, 58, SEEG01.     | 1.5 | 10        |
| 48 | Investigation of recombination front region in detached plasmas in a linear divertor plasma simulator. Nuclear Materials and Energy, 2019, 19, 458-462.                                       | 1.3 | 23        |
| 49 | Ignition and Behavior of Arc Spots on Helium Irradiated Tungsten Under Fusion Relevant Condition. IEEE Transactions on Plasma Science, 2019, 47, 3609-3616.                                   | 1.3 | 9         |
| 50 | Ignition and Sustainment of Arcing on Nanostructured Tungsten Under Plasma Exposure. IEEE Transactions on Plasma Science, 2019, 47, 3617-3625.  | 1.3 | 9         |
| 51 | Double-probe measurement in recombining plasma using NAGDIS-II. Contributions To Plasma Physics, 2019, 59, e201800088.  | 1.1 | 5         |
| 52 | Multipoint measurements employing a microwave interferometer and a Langmuir probe in the detached linear plasma. AIP Advances, 2019, 9, 015016.   | 1.3 | 5         |
| 53 | Spatiotemporal Structure of H <sup>±</sup> Emission from the Detached Plasma in GAMMA 10/PDX. Plasma and Fusion Research, 2019, 14, 2402036-2402036.  | 0.7 | 2         |
| 54 | Increased Energy Absorption into W due to the Metal Deposited Layer from an ELM-like Pulsed Plasma. Plasma and Fusion Research, 2019, 14, 1401051-1401051.                                    | 0.7 | 1         |

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|----|---|-----|-----------|
| 55 | Application of Ion Sensitive Probe to High Density Plasmas in Magnum-PSI. Plasma and Fusion Research, 2019, 14, 1202135-1202135.                                  | 0.7 | 5         |
| 56 | Fabrication of photocatalytically active vanadium oxide nanostructures via plasma route. Journal Physics D: Applied Physics, 2018, 51, 215201.                    | 2.8 | 20        |
| 57 | Fuzzy nanostructure growth on precious metals by He plasma irradiation. Surface and Coatings Technology, 2018, 340, 86-92.  | 4.8 | 31        |
| 58 | Measurement of He neutral temperature in detached plasmas using laser absorption spectroscopy. AIP Advances, 2018, 8, .   | 1.3 | 4         |
| 59 | Enhanced growth of large-scale nanostructures with metallic ion precipitation in helium plasmas. Scientific Reports, 2018, 8, 56.                                 | 3.3 | 60        |
| 60 | Pulsation Effects of Incident Ion Energy on W Fuzz Growth. Plasma and Fusion Research, 2018, 13, 1205001-1205001.   | 0.7 | 6         |
| 61 | Mode Structure Analysis of Detached Plasmas with 2D Images. Plasma and Fusion Research, 2018, 13, 1402033-1402033.  | 0.7 | 3         |
| 62 | Thomson Scattering Measurement of Two Electron Temperature Components in Transition to Detached Plasmas. Plasma and Fusion Research, 2018, 13, 1201099-1201099.   | 0.7 | 6         |
| 63 | Morphology Changes of Platinum and Tungsten Carbide by He Plasma Irradiation. Plasma and Fusion Research, 2018, 13, 3406074-3406074.                              | 0.7 | 0         |
| 64 | Ignition and Sustainment of Arcing on Nanostructured Tungsten under Plasma Exposure. , 2018, , .  |     | 1         |
| 65 | Emission from Tungsten Nanostructured Tendril Bundles under Local Thermal Load. , 2018, , .   |     | 0         |
| 66 | One-Step Plasma Synthesis of Nb <sub>2</sub> O <sub>5</sub> Nanofibers and their Enhanced Photocatalytic activity. ChemPhysChem, 2018, 19, 3237-3246.             | 2.1 | 11        |
| 67 | Blob- and hole-like structures outstanding during the transition from attached to detached divertor states in GAMMA 10/PDX. Physics of Plasmas, 2018, 25, 082505. | 1.9 | 4         |
| 68 | Effect of the Nanostructured Layer Thickness on the Dynamics of Cathode Spots on Tungsten. IEEE Transactions on Plasma Science, 2018, 46, 4044-4050.              | 1.3 | 11        |
| 69 | Ignition and erosion of materials by arcing in fusion-relevant conditions. Contributions To Plasma Physics, 2018, 58, 608-615.                                    | 1.1 | 23        |
| 70 | Helium line emission spectroscopy in recombining detached plasmas. Physics of Plasmas, 2018, 25, 063303.  | 1.9 | 18        |
| 71 | Localized spiraling plasma ejection contributing the ion-flux broadening in the detached linear plasma. Plasma Physics and Controlled Fusion, 2018, 60, 075013.   | 2.1 | 18        |
| 72 | Morphologies of co-depositing W layer formed during He plasma irradiation. Nuclear Fusion, 2018, 58, 106002.  | 3.5 | 22        |

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|----|---|-----|-----------|
| 73 | Growth of nano-tendrils on tungsten with impurity-rich He plasmas. Nuclear Fusion, 2018, 58, 096022.  | 3.5 | 40        |
| 74 | Nanostructure Growth on Rhodium/Ruthenium by the Exposure to He Plasma. Plasma and Fusion Research, 2018, 13, 3406065-3406065.  | 0.7 | 2         |
| 75 | Tailoring of fuzzy nanostructures on porous tungsten skeleton by helium plasma irradiation. Japanese Journal of Applied Physics, 2017, 56, 030303.                              | 1.5 | 6         |
| 76 | Plasma detachment in linear devices. Plasma Physics and Controlled Fusion, 2017, 59, 034007.  | 2.1 | 80        |
| 77 | Fractality and growth of He bubbles in metals. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2355-2362.                                       | 2.1 | 17        |
| 78 | Field Emission From Metal Surfaces Irradiated With Helium Plasmas. IEEE Transactions on Plasma Science, 2017, 45, 2080-2086.  | 1.3 | 33        |
| 79 | Erosion of nanostructured tungsten by laser ablation, sputtering and arcing. Nuclear Materials and Energy, 2017, 12, 386-391.   | 1.3 | 26        |
| 80 | Transverse motion of a plasma column in a sheet plasma. Contributions To Plasma Physics, 2017, 57, 87-93.   | 1.1 | 10        |
| 81 | Studies of power exhaust and divertor design for a 1.5 GW-level fusion power DEMO. Nuclear Fusion, 2017, 57, 126050.  | 3.5 | 65        |
| 82 | Extension of the operational regime of the LHD towards a deuterium experiment. Nuclear Fusion, 2017, 57, 102023.  | 3.5 | 116       |
| 83 | Molecular activated recombination in divertor simulation plasma on GAMMA 10/PDX. Nuclear Materials and Energy, 2017, 12, 1004-1009.   | 1.3 | 32        |
| 84 | Influence of expanding and contracting magnetic field configurations on detached plasma formation in a linear plasma device. Physics of Plasmas, 2017, 24, .                    | 1.9 | 5         |
| 85 | Behavior of 23S metastable state He atoms in low-temperature recombining plasmas. Physics of Plasmas, 2017, 24, 073301.   | 1.9 | 19        |
| 86 | Measurement of Poloidal Flow Profiles Using a Mach Probe Array in HYBTOK-II Tokamak with RMP Fields. Plasma and Fusion Research, 2017, 12, 1202027-1202027.                     | 0.7 | 0         |
| 87 | Development of a Compact Divertor Plasma Simulator for Plasma-Wall Interaction Studies on Neutron-Irradiated Materials. Plasma and Fusion Research, 2017, 12, 1405040-1405040.  | 0.7 | 8         |
| 88 | Localized Density Fluctuation in the Downstream of Detached Plasma. Plasma and Fusion Research, 2017, 12, 1202007-1202007.  | 0.7 | 8         |
| 89 | Modeling of Linear Divertor Plasma Simulator Experiments with Three-dimensional Target Structure by Using EMC3-EIRENE Code. Contributions To Plasma Physics, 2016, 56, 598-603. | 1.1 | 2         |
| 90 | Effect of nanostructured layer thickness on tungsten surface on cathode spots dynamics. , 2016, , .   |     | 0         |

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|-----|---|-----|-----------|
| 91  | Measurement of heat diffusion across fuzzy tungsten layer. Results in Physics, 2016, 6, 877-878.  | 4.1 | 48        |
| 92  | Enhancement of photocatalytic activity of TiO <sub>2</sub> by plasma irradiation. Japanese Journal of Applied Physics, 2016, 55, 106202.  | 1.5 | 7         |
| 93  | Investigation of arcing on fiber-formed nanostructured tungsten by pulsed plasma during steady state plasma irradiation. Fusion Engineering and Design, 2016, 112, 156-161.                                       | 1.9 | 21        |
| 94  | Photon Trapping Effects in DEMO Divertor Plasma. Contributions To Plasma Physics, 2016, 56, 657-662.  | 1.1 | 11        |
| 95  | Fuzzy nanostructure growth on Ta/Fe by He plasma irradiation. Scientific Reports, 2016, 6, 30380.   | 3.3 | 47        |
| 96  | Strong Reduction of Ion Flux to a Target Plate in a Magnetically Contracting Detached Plasma. Plasma and Fusion Research, 2016, 11, 1202005-1202005.  | 0.7 | 4         |
| 97  | Field electron emission from metal surfaces irradiated with helium plasmas. , 2016, , .   |     | 1         |
| 98  | Vacuum breakdown from nanostructured fuzzy surfaces. , 2016, , .  |     | 2         |
| 99  | Statistical Analysis of Particle Flux Flowing into the Endâ€Target in between Attached and Detached States in the Linear Divertor Plasma Simulator NAGDISâ€€. Contributions To Plasma Physics, 2016, 56, 723-728. | 1.1 | 4         |
| 100 | Detailed Analysis of Plasma Resistivity in Detached Recombining Plasmas. Contributions To Plasma Physics, 2016, 56, 717-722.  | 1.1 | 2         |
| 101 | Influence of Deuterium Retention on Secondary Electron Emission from Graphite under Deuterium Plasma Exposure. Plasma and Fusion Research, 2015, 10, 1402009-1402009.   | 0.7 | 1         |
| 102 | Morphology and Optical Property Changes of Nanostructured Tungsten in LHD. Plasma and Fusion Research, 2015, 10, 1402083-1402083.   | 0.7 | 2         |
| 103 | Correlation Analysis of 3â€4 Kilohertz Core and Edge Density Fluctuations in the GAMMA 10 Tandem Mirror Device. Fusion Science and Technology, 2015, 68, 125-129.   | 1.1 | 1         |
| 104 | Sulfur K-edge XANES for methylene blue in photocatalytic reaction over WO <sub>3</sub> nanomaterials. Nuclear Instruments & Methods in Physics Research B, 2015, 365, 35-38.                                      | 1.4 | 23        |
| 105 | Hybrid simulation research on formation mechanism of tungsten nanostructure induced by helium plasma irradiation. Journal of Nuclear Materials, 2015, 463, 109-115.   | 2.7 | 48        |
| 106 | Growth of multifractal tungsten nanostructure by He bubble induced directional swelling. New Journal of Physics, 2015, 17, 043038.  | 2.9 | 57        |
| 107 | Increase in the work function of W/WO <sub>3</sub> by helium plasma irradiation. Japanese Journal of Applied Physics, 2015, 54, 126201.   | 1.5 | 10        |
| 108 | Application of Nanostructured Tungsten Fabricated by Helium Plasma Irradiation for Photoinduced Decolorization of Methylene Blue. E-Journal of Surface Science and Nanotechnology, 2014, 12, 343-348.             | 0.4 | 12        |

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|-----|---|-----|-----------|
| 109 | Thermal response of nanostructured tungsten. Nuclear Fusion, 2014, 54, 033005.  | 3.5 | 66        |
| 110 | A plasma source driven predator-prey like mechanism as a potential cause of spiraling intermittencies in linear plasma devices. Physics of Plasmas, 2014, 21, 032302.                             | 1.9 | 15        |
| 111 | Compact and high-particle-flux thermal-lithium-beam probe system for measurement of two-dimensional electron density profile. Review of Scientific Instruments, 2014, 85, 093510.                 | 1.3 | 0         |
| 112 | Surface modification of titanium using He plasma. Applied Surface Science, 2014, 303, 438-445.  | 6.1 | 41        |
| 113 | In situ observation of structural change of nanostructured tungsten during annealing. Journal of Nuclear Materials, 2014, 449, 9-14.  | 2.7 | 56        |
| 114 | Influence of Plasma-Neutral Collisions on Probe Measurements in Atmospheric Pressure Plasmas. Contributions To Plasma Physics, 2014, 54, 304-307.   | 1.1 | 3         |
| 115 | Fractality of self-grown nanostructured tungsten by He plasma irradiation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2533-2538.                             | 2.1 | 24        |
| 116 | Transition in velocity and grouping of arc spot on different nanostructured tungsten electrodes. Results in Physics, 2014, 4, 33-39.  | 4.1 | 27        |
| 117 | Helium plasma irradiation on single crystal tungsten and undersized atom doped tungsten alloys. Physica Scripta, 2014, 89, 025602.  | 2.5 | 25        |
| 118 | Current Activities in the Interactive Joint Research at Tohoku University - Advanced Evaluation of Radiation Effects on Fusion Materials -. Plasma and Fusion Research, 2014, 9, 3405136-3405136. | 0.7 | 3         |
| 119 | Helium effects on tungsten surface morphology and deuterium retention. Journal of Nuclear Materials, 2013, 442, S267-S272.  | 2.7 | 83        |
| 120 | Observation of Arc Spots Initiated on Nanostructured Tungsten. IEEE Transactions on Plasma Science, 2013, 41, 1889-1895.  | 1.3 | 7         |
| 121 | Helium plasma implantation on metals: Nanostructure formation and visible-light photocatalytic response. Journal of Applied Physics, 2013, 113, .   | 2.5 | 88        |
| 122 | Growth annealing equilibrium of tungsten nanostructures by helium plasma irradiation in non-eroding regimes. Journal of Nuclear Materials, 2013, 440, 55-62.                                      | 2.7 | 44        |
| 123 | Characterization of Gun Plasma Penetrated Into a Steady State Plasma Device. IEEE Transactions on Plasma Science, 2013, 41, 3122-3128.  | 1.3 | 1         |
| 124 | Influence of crystal orientation on damages of tungsten exposed to helium plasma. Journal of Nuclear Materials, 2013, 438, S879-S882.   | 2.7 | 87        |
| 125 | Influence of the Probe Electrode on Probe Measurements for Atmospheric Pressure Microwave Plasma Torch. Contributions To Plasma Physics, 2013, 53, 81-85.   | 1.1 | 0         |
| 126 | Tritium retention in nanostructured tungsten with large effective surface area. Journal of Nuclear Materials, 2013, 438, S1142-S1145.   | 2.7 | 29        |



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|-----|--|-----|-----------|
| 127 | Low-energy helium irradiation on in-vessel mirror materials. Journal of Nuclear Materials, 2013, 442, S515-S519.   | 2.7 | 4         |
| 128 | Development of steady/transient dual plasma irradiation device using a plasma gun. Journal of Nuclear Materials, 2013, 438, S707-S710.   | 2.7 | 6         |
| 129 | Field emission property of nanostructured tungsten formed by helium plasma irradiation. Fusion Engineering and Design, 2013, 88, 2842-2847.  | 1.9 | 33        |
| 130 | Impact of arcing on carbon and tungsten: from the observations in JT-60U, LHD and NAGDIS-II. Nuclear Fusion, 2013, 53, 053013.   | 3.5 | 41        |
| 131 | Effect of resistivity profile on current decay time of initial phase of current quench in neon-gas-puff inducing disruptions of JT-60U. Physics of Plasmas, 2013, 20, 112507.                                | 1.9 | 2         |
| 132 | Spectroscopic Study and Motion Analysis of Arc Spot Initiated on Nanostructured Tungsten. Japanese Journal of Applied Physics, 2013, 52, 11NC02.   | 1.5 | 11        |
| 133 | Comparison of Damages on Tungsten Surface Exposed to Noble Gas Plasmas. Plasma Science and Technology, 2013, 15, 282-286.  | 1.5 | 33        |
| 134 | Power Transmission Factor for Tungsten Target w/wo Fiber-Form Nanostructure in He Plasmas with Hot Electron Component Using Compact Plasma Device AIT-PID. Fusion Science and Technology, 2013, 63, 225-228. | 1.1 | 15        |
| 135 | Behavior of Plasma Response Field in Detached Plasma. Plasma and Fusion Research, 2013, 8, 1402058-1402058.  | 0.7 | 11        |
| 136 | Arcing on tungsten subjected to helium and transients: ignition conditions and erosion rates. Plasma Physics and Controlled Fusion, 2012, 54, 035009.  | 2.1 | 44        |
| 137 | Statistical Analysis of the Spatial Behavior of Plasma Blobs Around the Plasma Column in a Linear Plasma Device. Contributions To Plasma Physics, 2012, 52, 424-428.   | 1.1 | 17        |
| 138 | Conditions for the Release of a Metallic Dust Particle from a Plasma-Facing Wall. Contributions To Plasma Physics, 2012, 52, 478-483.  | 1.1 | 2         |
| 139 | Blob/Hole Generation in the Divertor Leg of the Large Helical Device. Plasma and Fusion Research, 2012, 7, 1402152-1402152.  | 0.7 | 6         |
| 140 | Thermionic Energy Converter System Using Heat Flux in Divertor Region. Plasma and Fusion Research, 2012, 7, 1405050-1405050.   | 0.7 | 2         |
| 141 | Superimposition of Pulses to Steady Arc Discharge in Toroidal Divertor Simulator. Plasma and Fusion Research, 2012, 7, 1405100-1405100.  | 0.7 | 1         |
| 142 | Fatal Damages due to Breakdown on a Diagnostic Mirror Located outside the Vacuum Vessel in JT-60U. Plasma and Fusion Research, 2012, 7, 2405121-2405121.   | 0.7 | 2         |
| 143 | Effect of Externally Applied Resonance Magnetic Perturbation on Current Decay during Tokamak Disruption. Plasma and Fusion Research, 2012, 7, 1202049-1202049.   | 0.7 | 0         |
| 144 | TEM observation of the growth process of helium nanobubbles on tungsten: Nanostructure formation mechanism. Journal of Nuclear Materials, 2011, 418, 152-158.  | 2.7 | 226       |

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|-----|---|-----|-----------|
| 145 | Development of Nanostructured Black Metal by Self-Growing Helium Bubbles for Optical Application. Japanese Journal of Applied Physics, 2011, 50, 08JG01.  | 1.5 | 11        |
| 146 | Formation and decay processes of Ar/He microwave plasma jet at atmospheric gas pressure. Journal of Applied Physics, 2011, 110, .   | 2.5 | 24        |
| 147 | Exfoliation of the tungsten fibreform nanostructure by unipolar arcing in the LHD divertor plasma. Nuclear Fusion, 2011, 51, 102001.  | 3.5 | 73        |
| 148 | Motion of unipolar arc spots ignited on a nanostructured tungsten surface. Plasma Physics and Controlled Fusion, 2011, 53, 074002.  | 2.1 | 24        |
| 149 | Deuterium Uptake in Iron Oxide (Fe[sub 2]O[sub 3]) Under D[sub 2]+-Plasma Exposure. , 2011, , .   |     | 0         |
| 150 | Study of Plasma Current Decay in the Initial Phase of High Poloidal Beta Disruptions in JT-60U. Plasma and Fusion Research, 2011, 6, 1302136-1302136.   | 0.7 | 8         |
| 151 | OS20-2-4 Warpage of Si/Solder/OFHC-Cu Layered Structures Subjected to Cyclic Thermal Loading. The Abstracts of ATEM International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics, 2011, 2011.10, _OS20-2-4- | 0.0 | 0         |
| 152 | 2D Measurement of Edge Plasma Dynamics by Using High-Speed Camera Based on Hel Line Intensity Ratio Method. Contributions To Plasma Physics, 2010, 50, 962-969.   | 1.1 | 12        |
| 153 | 2D Statistical Analysis of Non-Diffusive Transport under Attached and Detached Plasma Conditions of the Linear Divertor Simulator. Contributions To Plasma Physics, 2010, 50, 256-266.  | 1.1 | 34        |
| 154 | Formation Condition of Fiberform Nanostructured Tungsten by Helium Plasma Exposure. Plasma and Fusion Research, 2010, 5, S1023-S1023.   | 0.7 | 21        |
| 155 | Deepening of Floating Potential for Tungsten Target Plate on the way to Nanostructure Formation. Plasma and Fusion Research, 2010, 5, 039-039.  | 0.7 | 25        |
| 156 | Enhancement of cross-field transport into the private region of detached-divertor in Large Helical Device. Physics of Plasmas, 2010, 17, 102509.  | 1.9 | 27        |
| 157 | Nanostructured Black Metal: Novel Fabrication Method by Use of Self-Growing Helium Bubbles. Applied Physics Express, 2010, 3, 085204.   | 2.4 | 77        |
| 158 | Self-Affine Fractality of Bifurcating Arc Trail in Magnetized Plasma. Journal of the Physical Society of Japan, 2010, 79, 054501.   | 1.6 | 14        |
| 159 | Fluid Mechanical Characteristics of Microwave Discharge Jet Plasmas at Atmospheric Gas Pressure. IEEJ Transactions on Fundamentals and Materials, 2010, 130, 493-500.   | 0.2 | 5         |
| 160 | Comparison of Hydrogen Adsorption on Diamond and Graphite Surfaces. Plasma and Fusion Research, 2010, 5, S2072-S2072.   | 0.7 | 1         |
| 161 | Visualized Blow-off from Helium Irradiated Tungsten in Response to ELM-like Heat Load. Plasma and Fusion Research, 2009, 4, 004-004.  | 0.7 | 33        |
| 162 | Flattening-induced electronic changes in zigzag single- and multi-walled boron nitride nanotubes: A first-principles DFT study. Physical Review B, 2009, 80, .  | 3.2 | 12        |

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