

Hiroshi Akatsuka

List of Publications by Year in descending order

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129
papers

1,186
citations

471509

17
h-index

501196

28
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132
all docs

132
docs citations

132
times ranked

824
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopic measurement of electron temperature and density in argon plasmas based on collisional-radiative model. Plasma Sources Science and Technology, 2000, 9, 314-322.	3.1	73
2	Spectroscopic study on the vibrational populations of N ₂ C ¹ and B ¹ states in a microwave nitrogen discharge. Journal of Applied Physics, 2007, 101, 023307.	2.5	65
3	Spectroscopic Study on Vibrational Nonequilibrium of a Microwave Discharge Nitrogen Plasma. Japanese Journal of Applied Physics, 2004, 43, 5550-5557.	1.5	47
4	Excited level populations and excitation kinetics of nonequilibrium ionizing argon discharge plasma of atmospheric pressure. Physics of Plasmas, 2009, 16, .	1.9	45
5	Gas temperature and surface heating in plasma enhanced chemical-vapour-deposition. Plasma Sources Science and Technology, 2006, 15, 783-789.	3.1	41
6	A new back-end cycle strategy for enhancing separation, transmutation and utilization of materials (Adv.-ORIENT cycle). Progress in Nuclear Energy, 2008, 50, 476-482.	2.9	40
7	Surface treatment of TiO ₂ films for dye-sensitized solar cells using atmospheric-pressure non-equilibrium DC pulse discharge plasma jet. Vacuum, 2008, 83, 124-127.	3.5	38
8	Optical Emission Spectroscopic (OES) analysis for diagnostics of electron density and temperature in non-equilibrium argon plasma based on collisional-radiative model. Advances in Physics: X, 2019, 4, 1592707.	4.1	37
9	Experimental Study of Temperatures of Atmospheric-Pressure Nonequilibrium Ar/N ₂ Plasma Jets and Poly(ethylene terephthalate)-Surface Processing. Japanese Journal of Applied Physics, 2007, 46, 795-798.	1.5	35
10	Spectroscopic Study on Vibrational Distribution of N ₂ C ¹ and B ¹ States in Microwave Nitrogen Discharge. Japanese Journal of Applied Physics, 2006, 45, 7905-7910.	1.5	25
11	Actinometry Measurement of Dissociation Degrees of Nitrogen and Oxygen in N ₂ +O ₂ Microwave Discharge Plasma. Japanese Journal of Applied Physics, 2010, 49, 106101.	1.5	24
12	Arc-heated magnetically trapped expanding plasma jet generator. Review of Scientific Instruments, 1993, 64, 1734-1739.	1.3	23
13	Carbon and Oxygen Isotope Separation by Plasma Chemical Reactions in Carbon Monoxide Glow Discharge. Journal of Nuclear Science and Technology, 2001, 38, 850-858.	1.3	21
14	Stationary population inversion of hydrogen in an arc-heated magnetically trapped expanding hydrogen-helium plasma jet. Physical Review E, 1994, 49, 1534-1544.	2.1	20
15	XAFS analysis of molten rare-earth-alkali metal fluoride systems. Journal of Alloys and Compounds, 2006, 408-412, 71-75.	5.5	19
16	XAFS analyses of molten metal fluorides. Journal of Fluorine Chemistry, 2009, 130, 53-60.	1.7	19
17	Scientific feasibility of incineration in scns. Progress in Nuclear Energy, 1995, 29, 477-484.	2.9	18
18	An experimental study of stationary population inversion in a cold recombining expanding helium plasma jet. Plasma Sources Science and Technology, 1995, 4, 125-136.	3.1	18

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19	Real-time observation of Brownian motion and cluster movement of ferro- and non-magnetic particles in magnetic fluids. <i>Science and Technology of Advanced Materials</i> , 2004, 5, 667-671.	6.1	18
20	Optical Emission Characteristics of Atmospheric-Pressure Nonequilibrium Microwave Discharge and High-Frequency DC Pulse Discharge Plasma Jets. <i>IEEE Transactions on Plasma Science</i> , 2009, 37, 839-845.	1.3	18
21	Evaluation of Electron Energy Distribution Function in Microwave Discharge Plasmas by Spectroscopic Diagnostics with Collisional Radiative Model. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 036001.	1.5	18
22	Effect of plasma jet diameter on the efficiency of reactive oxygen and nitrogen species generation in water. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 06HD01.	1.5	18
23	Spectroscopic Measurement of Electron Temperature and Density in an Argon Plasma Jet Based on Collisional-Radiative Model. <i>Contributions To Plasma Physics</i> , 2001, 41, 91-102.	1.1	17
24	Measurement of electron temperature and density of atmospheric-pressure non-equilibrium argon plasma examined with optical emission spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 026002.	1.5	17
25	Short-range structure of molten CeCl ₃ and NdCl ₃ determined by XAFS. <i>Journal of Alloys and Compounds</i> , 2006, 408-412, 80-83.	5.5	16
26	Temperature behavior of atmospheric-pressure non-equilibrium microwave discharge plasma jets for poly(ethylene naphtharate)-surface processing. <i>Surface and Coatings Technology</i> , 2008, 202, 5289-5292.	4.8	15
27	Structural investigation of thorium in molten lithium-calcium fluoride mixtures for salt treatment process in molten salt reactor. <i>Progress in Nuclear Energy</i> , 2011, 53, 994-998.	2.9	15
28	Effect of Electron Energy Distribution Function on Spectroscopic Characteristics of Microwave Discharge Argon Plasma. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 5432-5441.	1.5	14
29	Decontamination Process Using CF ₄ -O ₂ Microwave Discharge Plasma at Atmospheric Pressure. <i>Journal of Nuclear Science and Technology</i> , 2000, 37, 787-792.	1.3	13
30	Experimental Study of Effect of Rare Gas Admixture on Temperatures of Microwave-Excited Oxygen Discharge Plasma. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 243-246.	1.5	12
31	Optical Measurements of High-Density Helicon Plasma by Using a High-Speed Camera and Monochromators. <i>Plasma and Fusion Research</i> , 2014, 9, 3406125-3406125.	0.7	12
32	Measurement of vibrational and rotational temperature in spark-discharge plasma by optical emission spectroscopy: Change in thermal equilibrium characteristics of plasma under air flow. <i>International Journal of Engine Research</i> , 2019, 20, 746-757.	2.3	12
33	Numerical Study on Population Inversion and Lasing Conditions in an Optically Thick Recombining Helium Plasma. <i>Contributions To Plasma Physics</i> , 1994, 34, 539-561.	1.1	11
34	Dependence of nitriding degree of Ti surface by non-LTE nitrogen plasma on various plasma parameters. <i>Thin Solid Films</i> , 2004, 457, 69-77.	1.8	11
35	Diagnostics of low-pressure discharge argon plasma by multi-optical emission line analysis based on the collisional-radiative model. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 016004.	1.5	11
36	Numerical Analysis of Carbon Isotope Separation by Plasma Chemical Reactions in Carbon Monoxide Glow Discharge. <i>Journal of Nuclear Science and Technology</i> , 2002, 39, 637-646.	1.3	10

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37	Progresses in Experimental Study of N2 Plasma Diagnostics by Optical Emission Spectroscopy. , 0, , .		10
38	Optical Emission Spectroscopy Measurement of Processing Plasmas. IEEJ Transactions on Fundamentals and Materials, 2010, 130, 892-898.	0.2	10
39	Isotope separation methods for self-consistent nuclear energy system. Progress in Nuclear Energy, 1998, 32, 729-735.	2.9	9
40	Measurements of plasma parameters in the direct current discharge for isotope separation. Plasma Sources Science and Technology, 1998, 7, 136-140.	3.1	9
41	Structural investigation on lead fluorideâ€“lithium fluoride at various compositions and temperatures. Journal of Nuclear Materials, 2005, 344, 104-108.	2.7	9
42	Reprocessing of spent hydrogen absorbing alloys by using electrochemical techniques in molten salts. Journal of Physics and Chemistry of Solids, 2005, 66, 439-442.	4.0	9
43	XAFS study of europium chloride at high temperatures. Progress in Nuclear Energy, 2005, 47, 632-638.	2.9	9
44	Laser-Induced Fluorescence Image of OH Radicals for Atmospheric-Pressure Nonequilibrium Dry Air Gas DC Pulse Plasma Jet. IEEE Transactions on Plasma Science, 2008, 36, 976-977.	1.3	9
45	Basic characteristics for PEN film surface modification using atmosphericâ€“pressure nonequilibrium microwave plasma jet. Electronics and Communications in Japan, 2010, 93, 42-49.	0.5	8
46	Excited State Distributions of Hydrogen Atoms in the Microwave Discharge Hydrogen Plasma and the Effect of Electron Energy Probabilistic Function. IEEE Transactions on Plasma Science, 2015, 43, 1758-1768.	1.3	8
47	Arbitrary EEDF determination of atmospheric-pressure plasma by applying machine learning to OES measurement. Physics of Plasmas, 2021, 28, .	1.9	8
48	Estimating electron temperature and density using improved collisional-radiative model in high-density RF argon plasma. AIP Advances, 2021, 11, 075226.	1.3	8
49	Preparation of carbon clusters by arc-heated expanding plasma jet. Plasma Sources Science and Technology, 1993, 2, 46-50.	3.1	7
50	Numerical analysis of the behavior of hydrogen added into a free-burning arc. Plasma Chemistry and Plasma Processing, 1996, 16, 399-415.	2.4	7
51	Isotope separation required in SCNES and future subjects. Progress in Nuclear Energy, 2002, 40, 561-568.	2.9	7
52	Basic characteristics of Ar/N₂ atmospheric pressure nonequilibrium microwave discharge plasma jets. IEEJ Transactions on Electrical and Electronic Engineering, 2007, 2, 473-475.	1.4	7
53	Ion Acceleration in Arc Jet Plasma Along Open Field Lines. IEEE Transactions on Plasma Science, 2009, 37, 1414-1418.	1.3	7
54	Conversion of Chloride Waste into Oxide by Microwave Heated Oxygen Plasma.. Journal of Nuclear Science and Technology, 1997, 34, 1159-1170.	1.3	7

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55	Decontamination Process Using CF ₄ -O ₂ Microwave Discharge Plasma at Atmospheric Pressure.. Journal of Nuclear Science and Technology, 2000, 37, 787-792.	1.3	7
56	Conversion of Chloride Waste into Oxide by Microwave Heated Oxygen Plasma. Journal of Nuclear Science and Technology, 1997, 34, 1159-1170.	1.3	6
57	A numerical study of neon isotope separation in a dc discharge through a narrow capillary. Journal Physics D: Applied Physics, 2000, 33, 948-959.	2.8	6
58	Local structural analyses on molten terbium fluoride in lithium fluoride and lithium-calcium fluoride mixtures. Journal of Fluorine Chemistry, 2010, 131, 1039-1043.	1.7	6
59	Numerical Study on Acceleration and Deceleration Mechanism of Weakly Ionized Plasma Flowing Supersonically Through Open Field Line. IEEE Transactions on Plasma Science, 2014, 42, 3732-3741.	1.3	6
60	Dissociation degree of nitrogen molecule in low-pressure microwave-discharge nitrogen plasma with various rare-gas admixtures. Japanese Journal of Applied Physics, 2016, 55, 086101.	1.5	6
61	Experimental study on difference in molecular rotation temperatures between neutral molecules and molecular ions in nitrogen plasma and oxygen plasma by optical emission spectroscopy measurement. Japanese Journal of Applied Physics, 2017, 56, 056102.	1.5	6
62	Developing an optimization algorithm for diagnostic modeling of optical emission spectroscopic measurement of non-equilibrium plasmas based on the argon collisional-radiative model. Japanese Journal of Applied Physics, 2021, 60, 046003.	1.5	6
63	Experimental Study on Neon Isotope Separation by DC Arc Discharge. Journal of Nuclear Science and Technology, 1996, 33, 414-422.	1.3	5
64	Numerical Study of Population Inversion between Excited States of Ar i in a Recombining Ar Plasma by He Contact Cooling. Japanese Journal of Applied Physics, 2001, 40, 4701-4708.	1.5	5
65	Flow characteristics of a cold helium arc-jet plasma along open field lines. IEEJ Transactions on Electrical and Electronic Engineering, 2009, 4, 416-421.	1.4	5
66	Characteristics of Cold Argon Arc-Jet Plasma Flowing Along Open-Field-Line and the Effects of Collisions on Deceleration. IEEE Transactions on Plasma Science, 2013, 41, 1869-1877.	1.3	5
67	Spectroscopic determination of vibrational and rotational temperatures of NO molecules in N ₂ -O ₂ mixture microwave discharge. Japanese Journal of Applied Physics, 2015, 54, 01A06.	1.5	5
68	Spectroscopic Measurement of <sc>Arc-Discharge</sc> Argon Plasma Plume Injected into Water. IEEJ Transactions on Electrical and Electronic Engineering, 2021, 16, 364-373.	1.4	5
69	Experimental Study on the Effect of Different Noble Gas Admixtures on the Gas Temperature of Oxygen Plasma. Journal of Advanced Oxidation Technologies, 2005, 8, .	0.5	5
70	Removal of Oxide Film Prepared under BWR Condition by Using Atmospheric CF ₄ /O ₂ Plasma Decontamination Process. Journal of Nuclear Science and Technology, 2000, 37, 913-918.	1.3	4
71	Temperature dependence of short-range structural property in lithium-lead fluoride. Journal of Physics and Chemistry of Solids, 2005, 66, 402-405.	4.0	4
72	Probe and Optical Emission Spectroscopy Measurement of Slotted Antenna-Excited Nitrogen Discharge Plasma. Japanese Journal of Applied Physics, 2007, 46, 3566-3572.	1.5	4

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73	Laser-Induced Fluorescence Detection of OH Radicals Generated by Atmospheric-Pressure Nonequilibrium DC Pulse Discharge Plasma Jets. IEEE Transactions on Plasma Science, 2014, 42, 960-964.	1.3	4
74	Spectroscopic study of recombination continuum in arc-heated cold expanding plasma jet. Progress in Nuclear Energy, 2015, 82, 130-135.	2.9	4
75	Discussion on population kinetics and number densities of excited species of low-pressure discharge nitrogen plasma. IEJ Transactions on Electrical and Electronic Engineering, 2016, 11, S9.	1.4	4
76	Drift of Electrons in a Radial Electric Field and Longitudinal Magnetic Field. IEEE Transactions on Plasma Science, 2019, 47, 4250-4259.	1.3	4
77	Electron temperature, density, and metastable-atom density of argon electron-cyclotron-resonance plasma discharged by 7.0, 8.0, and 9.4 GHz microwaves. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2000, 18, 2207.	2.1	3
78	Experimental study of population inversion between excited states of Ar I in a recombining Ar plasma by He contact cooling. Physical Review E, 2002, 65, 056404.	2.1	3
79	Short Range Structure of Lanthanum ChlorideOxychloride Determined by EXAFS. Physica Scripta, 2005, , 294.	2.5	3
80	Surface Modification of Si Wafer by Low-Pressure High-Frequency Plasma Chemical Vapor Deposition Method. IEEE Transactions on Plasma Science, 2011, 39, 1427-1431.	1.3	3
81	Spectroscopic Characteristics of Supersonically Expanding Nitrogen Arc-Jet Plume—Strong Atomic Lines and Weak Molecular Band Spectra. IEEE Transactions on Plasma Science, 2014, 42, 3691-3697.	1.3	3
82	Practical considerations of the visible bremsstrahlung inversion (VBI) method for arbitrary EEDF determination in cold atmospheric-pressure plasma. Japanese Journal of Applied Physics, 2022, 61, 076004.	1.5	3
83	An Experimental Study of Noble Gas Isotope Separation by DC ArcDischarge. Contributions To Plasma Physics, 1999, 39, 557-570.	1.1	2
84	Numerical study of isotope separation phenomena of noble gases by dc discharge as rarefied gas dynamics. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2002, 20, 1303-1313.	2.1	2
85	Plasma diagnostics in plasma processing for nanotechnology and nanolevel chemistry. Science and Technology of Advanced Materials, 2004, 5, 651-655.	6.1	2
86	Short Range Structure of LeadLithium Fluoride Obtained by XAFS Analysis. Physica Scripta, 2005, , 297.	2.5	2
87	Titanium Oxidation by Microwave Discharge Oxygen Plasma and Relationship with Plasma Parameters. Journal of Advanced Oxidation Technologies, 2007, 10, .	0.5	2
88	Optimization of a Molten Salt Electrolytic Bath Geometry for Rare Earth Metal Recovery using a Finite Element Method. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2013, 68, 48-58.	1.5	2
89	Kinetic model and spectroscopic measurement of NO (A, B, C) states in low-pressure N ₂ O ₂ microwave discharge. Japanese Journal of Applied Physics, 2015, 54, 096103.	1.5	2
90	Excitation Kinetics of Oxygen O(1D) State in Low-Pressure Oxygen Plasma and the Effect of Electron Energy Distribution Function. Journal of Advanced Oxidation Technologies, 2017, 20, .	0.5	2

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91	Nonequilibrium characteristics in the rotational temperature of CO excited states in microwave discharge CO ₂ plasma. Japanese Journal of Applied Physics, 2021, 60, 046005.	1.5	2
92	Removal of Oxide Film Prepared under BWR Condition by Using Atmospheric CF ₄ /O ₂ Plasma Decontamination Process.. Journal of Nuclear Science and Technology, 2000, 37, 913-918.	1.3	2
93	Optical Emission Spectroscopy of Atmospheric-pressure Non-equilibrium DC Pulse Discharge Plasma Jets and PEN Film Surface Modification. Journal of High Temperature Society, 2007, 33, 137-141.	0.1	2
94	Measurement Technique of Slug Flow Characteristics Using Image Data Processing. (I). Measurement Technique of Rising Velocity and Liquid Film Thickness of Slug Bubbles.. Journal of the Visualization Society of Japan, 2000, 20, 37-42.	0.0	2
95	Basic Characteristics for PEN Film Surface Modification using Atmospheric-Pressure Non-equilibrium Microwave Plasma Jet. IEEJ Transactions on Fundamentals and Materials, 2008, 128, 449-455.	0.2	2
96	Optical Emission Spectroscopic Measurement of Argon Low-Pressure Inductively Coupled Plasma Based on the Optimization Algorithm of Plasma Diagnostic Model. IEEE Transactions on Plasma Science, 2022, 50, 1875-1889.	1.3	2
97	Loopholes of Laws and Regulations Related to Redevelopment of Former Sites of Radioactive Material Control Area. Transactions of the Atomic Energy Society of Japan, 2003, 2, 215-229.	0.3	1
98	Acceleration Phenomenon Of Helium Arc Jet Through A Magnetic Nozzle. AIP Conference Proceedings, 2005, , .	0.4	1
99	Excited state distributions of hydrogen atoms and molecules in microwave discharge hydrogen plasma and effect of EEDF. , 2008, , .		1
100	Surface modification of silicon wafer by low-pressure high-frequency plasma chemical vapor deposition method. , 2010, , .		1
101	In-situ observation technique of electrodeposition reaction by X-ray from synchrotron source. Progress in Nuclear Energy, 2011, 53, 930-934.	2.9	1
102	Spectroscopic investigation of the NO C ² de-excitation process by collision with O ₂ X ³ g ⁺ in a low-pressure N ₂ â€“O ₂ mixture microwave discharge. Japanese Journal of Applied Physics, 2016, 55, 01AH04.	1.5	1
103	Spectroscopic Examination of Fulcher-1± Band of Microwave Discharge H ₂ -D ₂ and H ₂ -He Plasmas. Energy Procedia, 2017, 131, 312-318.	1.8	1
104	Development of Decontamination Treatment Techniques for Dry Powder Foods by Atmospheric-Pressure Nonequilibrium DC Pulse Discharge Plasma Jet. Journal of Food Quality, 2021, 2021, 1-7.	2.6	1
105	On the Parameter of the Oxygen Plasma for a Discharge Pumped Oxygen Iodine Laser.. The Review of Laser Engineering, 2000, 28, 428-434.	0.0	1
106	XAFS Analysis of SrF₂</sub> at High Temperature. Electrochemistry, 2005, 73, 617-619.	1.4	1
107	Measurement Technique of Slug Flow Characteristics Using Image Data Processing. (II). Measurement Technique of Velocity Field in Wake Region and Liquid Film Velocity in Slug Flows.. Journal of the Visualization Society of Japan, 2000, 20, 43-48.	0.0	1
108	Measurement of Characteristics of Vapor Bubble Condensation in Subcooled Boiling Flow Using Image Data Processing. Transactions of Visualization Soc of Japan, 2001, 21, 151-158.	0.2	1

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109	A metallic fuel cycle for Self-Consistent Nuclear Energy System (SCNES). Progress in Nuclear Energy, 2002, 40, 615-620.	2.9	0
110	Monte Carlo Simulation Of Isotope Separation Phenomena By DC Discharge As Rarefied Gas Dynamics. AIP Conference Proceedings, 2005, , .	0.4	0
111	Stationary Population Inversion in an Expanding Argon Plasma Jet by Helium Puffing. AIP Conference Proceedings, 2005, , .	0.4	0
112	Actinometry Measurement of Oxygen Dissociation Degree in a Microwave Discharge Plasma and Effect of Electron Energy Distribution Function. Journal of Advanced Oxidation Technologies, 2007, 10, .	0.5	0
113	Flow characteristics of arc jet plasma along open field lines. , 2008, , .		0
114	Nitrogen Arc-Jet as Atomic Radical Source - Dominance of Atomic N Lines in Comparison with Molecular N ₂ Band Spectra. , 2014, , .		0
115	Discussion on Collisional Radiative Model from the Viewpoint of Linear Ordinary Differential Equations. , 2014, , .		0
116	Vibrational and rotational temperatures of NO A Σ+- metastable state in N ₂ -O ₂ mixture microwave discharge. , 2015, , .		0
117	Hybrid simulation of weakly-ionized rarefied arc-jet flowing supersonically along diverging magnetic field. , 2015, , .		0
118	Fluoride Addition Effects on Voltammograms and UV-Vis Spectra of Neodymium Cation in Molten Chlorides. ECS Transactions, 2016, 75, 63-67.	0.5	0
119	Introduction to the Special Issue on The 9th Asia-Pacific International Symposium on the Basics and Applications of Plasma Technology (APSPT-9), and The 28th Symposium on Plasma Science for Materials (SPSM-28). IEEE Transactions on Plasma Science, 2016, 44, 3050-3051.	1.3	0
120	Numerical study of electric potential formation in a weakly ionized plasma flowing supersonically through open magnetic field lines. Japanese Journal of Applied Physics, 2017, 56, 016201.	1.5	0
121	Non-equilibrium characteristics of vibrational and rotational temperatures of N ₂ -B and C States puffed onto argon arc jet plume. Japanese Journal of Applied Physics, 2019, 58, 096003.	1.5	0
122	Introduction to the Special Issue on the APSPT-11. IEEE Transactions on Plasma Science, 2021, 49, 2-3.	1.3	0
123	Passive and Active Spectroscopic Diagnostics of a Microwave Discharge Oxygen Plasma of Atmospheric Pressure.. Journal of the Spectroscopical Society of Japan, 2000, 49, 72-82.	0.0	0
124	Investigation of Basic Characteristics of Current-limiting Fuse Using Stainless Steel Wire. Journal of High Temperature Society, 2007, 33, 101-106.	0.1	0
125	Recent Trends of Traditional Optical Emission Spectroscopic Measurement of Non-Equilibrium Plasmas -Atmospheric-Pressure Ar Plasma and Low-Pressure N ₂ Plasma-. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 6-10.	0.2	0
126	21303 Measurement of high-density helicon plasma by using optical methods. The Proceedings of Conference of Kanto Branch, 2014, 2014.20, _21303-1_-_21303-2_.	0.0	0

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127	Improve Understanding of Basic Engineering Lectures with e-learning. Journal of Jsee, 2018, 66, 5_44-5_49.	0.0	0
128	Measurement of temperature of spark-discharge plasma in engine cylinder. Transactions of the JSME (in Japanese), 2020, 86, 19-00319-19-00319.	0.2	0
129	Heat Transfer and Thermohydraulic Characteristics of <scp>Arcâ€Discharge</scp> Argon Plasma Plume Injected into Water. IEEJ Transactions on Electrical and Electronic Engineering, 2022, 17, 1396-1408.	1.4	0