

# Hiroshi Idei

## List of Publications by Year in descending order

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Overview of coordinated spherical tokamak research in Japan. Nuclear Fusion, 2022, 62, 042011.	3.5	5
2	Quaternion Analysis of Transient Phenomena in Matrix Converter Based on Space-Vector Modulation. Plasma and Fusion Research, 2022, 17, 2405025-2405025.	0.7	1
3	Towards automated gas leak detection through cluster analysis of mass spectrometer data. Fusion Engineering and Design, 2022, 180, 113199.	1.9	4
4	Non-inductive plasma current ramp-up through oblique injection of harmonic electron cyclotron waves on the QUEST spherical tokamak. Physics of Plasmas, 2021, 28, .	1.9	19
5	Quaternion Analysis of a Direct Matrix Converter Based on Space-Vector Modulation. Plasma and Fusion Research, 2021, 16, 2405037-2405037.	0.7	2
6	Toroidal flow measurements of impurity ions in QUEST ECH plasmas using multiple viewing chords emission spectroscopy. Nuclear Materials and Energy, 2021, 26, 100905.	1.3	3
7	Investigation of radial distribution of atomic hydrogen flux to the plasma facing components in steady state discharges in QUEST tokamak. Nuclear Materials and Energy, 2021, 26, 100872.	1.3	1
8	Extension of Operation Region for Steady State Operation on QUEST by Integrated Control with Hot Walls. Plasma and Fusion Research, 2021, 16, 2402034-2402034.	0.7	9
9	Initial Results from High-Field-Side Transient CHI Start-Up on QUEST. Plasma and Fusion Research, 2021, 16, 2402048-2402048.	0.7	2
10	Overview of recent progress on steady state operation of all-metal plasma facing wall device QUEST. Nuclear Materials and Energy, 2021, 27, 101013.	1.3	3
11	MHD Equilibrium Reconstruction Using the Visible Light Tomographic Method with Laplacian Eigenfunction. Plasma and Fusion Research, 2021, 16, 2402090-2402090.	0.7	1
12	Designing an upgrade of ohmic heating system for the QUEST spherical tokamak. Fusion Engineering and Design, 2021, 168, 112362.	1.9	2
13	Observation of second harmonic electron cyclotron resonance heating and current-drive transition during non-inductive plasma start-up experiment in QUEST. Plasma Physics and Controlled Fusion, 2021, 63, 105002.	2.1	4
14	Electron heating of over-dense plasma with dual-frequency electron cyclotron waves in fully non-inductive plasma ramp-up on the QUEST spherical tokamak. Nuclear Fusion, 2020, 60, 016030.	3.5	20
15	Modeling of solenoid-free start-up using 2nd harmonic electron cyclotron heating and current drive in QUEST. AIP Conference Proceedings, 2020, , .	0.4	5
16	Spectroscopic Measurement of Hydrogen Atom Density in a Plasma Produced with 28 GHz ECH in QUEST. Atoms, 2020, 8, 44.	1.6	2
17	Electron Bernstein wave conversion of high-field side injected X-modes in QUEST. Plasma Physics and Controlled Fusion, 2020, 62, 035018.	2.1	1
18	Measurement of Dynamic Retention with Fast Ejecting System of Targeted Sample (FESTA). Plasma and Fusion Research, 2020, 15, 2402013-2402013.	0.7	1

#	ARTICLE	IF	CITATIONS
19	Parametric Decay Wave Observation in HFS X-Mode Injection in QUEST. Plasma and Fusion Research, 2020, 15, 2402063-2402063.	0.7	2
20	Developments of Millimeter and Sub-Millimeter Wave Backscattering Systems for Fusion Plasma Turbulence Diagnostics. , 2020, , .		0
21	High voltage electrical system of 8.56 GHz CW klystron for electron cyclotron heating on QUEST spherical tokamak. Fusion Engineering and Design, 2019, 146, 2567-2570.	1.9	5
22	Particle balance investigation with the combination of the hydrogen barrier model and rate equations of hydrogen state in long duration discharges on an all-metal plasma facing wall in QUEST. Nuclear Fusion, 2019, 59, 076007.	3.5	11
23	HFS Injection of X-Mode for EBW Conversion in QUEST. Plasma and Fusion Research, 2019, 14, 1205038-1205038.	0.7	3
24	Estimation of fuel particle balance in steady state operation with hydrogen barrier model. Nuclear Materials and Energy, 2019, 19, 544-549.	1.3	5
25	28-GHz ECHCD system with beam focusing launcher on the QUEST spherical tokamak. Fusion Engineering and Design, 2019, 146, 1149-1152.	1.9	11
26	Plasma equilibrium based on EC-driven current profile with toroidal rotation on QUEST. Fusion Engineering and Design, 2019, 146, 2628-2631.	1.9	0
27	Development of high power gyrotrons for advanced fusion devices. Nuclear Fusion, 2019, 59, 066009.	3.5	20
28	Quasi-optical polarizer system for ECHCD experiments in the QUEST. Fusion Engineering and Design, 2019, 146, 1437-1440.	1.9	5
29	Prototype of a Quasi-Optical Launcher System of a 4 mm Round-Trip Interferometer for the QUEST Spherical Tokamak Experiments. Plasma and Fusion Research, 2019, 14, 3402122-3402122.	0.7	0
30	Fast Tangentially Viewed Soft X-Ray Imaging System Based on Image Intensifier with Microchannel Plate Detector on QUEST. Plasma and Fusion Research, 2019, 14, 1402128-1402128.	0.7	1
31	Prototype Phased-Array Patch Loop Antennae for Electron Cyclotron Emission Diagnostics. Plasma and Fusion Research, 2019, 14, 3402111-3402111.	0.7	0
32	Modification of plasma control system and hot-wall temperature control system for long-duration plasma sustainment in QUEST. Fusion Engineering and Design, 2018, 129, 202-206.	1.9	8
33	Spectroscopic Measurements of Impurity Ion Toroidal and Poloidal Flow Velocities and Their Dependence on Vertical Magnetic Field in QUEST Toroidal ECR Plasmas. Plasma and Fusion Research, 2018, 13, 3402087-3402087.	0.7	3
34	Electron Bernstein wave detection by sub-Tera-Hz scattering in the QUEST. , 2018, , .		1
35	Initial results from solenoid-free plasma start-up using Transient CHI on QUEST. Plasma Physics and Controlled Fusion, 2018, 60, 115001.	2.1	15
36	Effect of magnetic shear on edge turbulence in SOL-like open field line configuration in QUEST. Plasma Physics and Controlled Fusion, 2018, 60, 085014.	2.1	2

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37	Development of over-MW gyrotrons for fusion at 14 GHz to sub-THz frequencies. Nuclear Fusion, 2017, 57, 066001.	3.5	25
38	Plasma equilibrium based on RF-driven current profile without assuming nested magnetic surfaces on QUEST. Fusion Engineering and Design, 2017, 123, 532-534.	1.9	0
39	Optimized design of polarizers with low ohmic loss and any polarization state for the 28 GHz QUEST ECH/ECCD system. Fusion Engineering and Design, 2017, 114, 97-101.	1.9	5
40	Effect of magnetic structure on RF-induced breakdown in QUEST. Physics of Plasmas, 2017, 24, 062513.	1.9	6
41	Measurement of thickness of film deposited on the plasma-facing wall in the QUEST tokamak by colorimetry. Review of Scientific Instruments, 2017, 88, 093502.	1.3	4
42	Overview of spherical tokamak research in Japan. Nuclear Fusion, 2017, 57, 102005.	3.5	6
43	Spatial distribution of atomic and ion hydrogen flux and its effect on hydrogen recycling in long duration confined and non-confined plasmas. Nuclear Materials and Energy, 2017, 12, 627-632.	1.3	7
44	Investigation of hydrogen recycling in long-duration discharges and its modification with a hot wall in the spherical tokamak QUEST. Nuclear Fusion, 2017, 57, 126061.	3.5	37
45	Fully non-inductive second harmonic electron cyclotron plasma ramp-up in the QUEST spherical tokamak. Nuclear Fusion, 2017, 57, 126045.	3.5	47
46	Current Start-Up Using the New CHI System. Plasma and Fusion Research, 2017, 12, 1202020-1202020.	0.7	11
47	Development of 28/35 GHz dual-frequency gyrotron for ECH study. AIP Conference Proceedings, 2016, , .	0.4	1
48	Guiding Center Orbit Calculation for Evaluating the Current Density Distributions of the Electrons in Electron Cyclotron Heating on QUEST. IEEE Transactions on Plasma Science, 2016, 44, 1666-1671.	1.3	1
49	Response of the far scrape-off layer plasma to strong gas puffing in the high poloidal beta configuration of the QUEST spherical tokamak. Plasma Physics and Controlled Fusion, 2016, 58, 115004.	2.1	3
50	Observation of an edge coherent mode and poloidal flow in the electron cyclotron wave induced high $I_p$ plasma in QUEST. Physics of Plasmas, 2016, 23, 082507.	1.9	0
51	Current status and prospect of plasma control system for steady-state operation on QUEST. Fusion Engineering and Design, 2016, 112, 699-702.	1.9	8
52	Power Balance Estimation in Long Duration Discharges on QUEST. Plasma Science and Technology, 2016, 18, 1069-1075.	1.5	19
53	Adaptive-array Electron Cyclotron Emission diagnostics using data streaming in a Software Defined Radio system. Journal of Instrumentation, 2016, 11, C04010-C04010.	1.2	2
54	Multiple wall-reflection effect in adaptive-array differential-phase reflectometry on QUEST. Journal of Instrumentation, 2016, 11, C01014-C01014.	1.2	2

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55	Kinetic Full Wave Analysis of Electron Cyclotron Wave Mode Conversion in Tokamak Plasmas. Plasma and Fusion Research, 2016, 11, 2403070-2403070.	0.7	1
56	Comparison between Full Wave and Ray-Tracing Calculations to Examine Scenarios for Electron Bernstein Wave Heating in LHD. Plasma and Fusion Research, 2016, 11, 2403098-2403098.	0.7	3
57	Hydrogen flux measurements with permeation probes in spherical tokamak QUEST. Vacuum, 2016, 129, 178-182.	3.5	7
58	Comparison of current density profiles based on particle orbit-driven current in steady-state plasma on QUEST. Fusion Engineering and Design, 2016, 109-111, 1624-1630.	1.9	2
59	Comparative studies of inner and outer divertor discharges and a fueling study in QUEST. Fusion Engineering and Design, 2016, 109-111, 1365-1370.	1.9	2
60	Analysis of plasma equilibrium based on orbit-driven current density profile in steady-state plasma on QUEST. Fusion Engineering and Design, 2016, 109-111, 1528-1533.	1.9	1
61	Origin and Evolution of Spontaneous Rotation in Plasma Under Different Magnetic Field Geometries in Tokamak QUEST. IEEE Transactions on Plasma Science, 2016, 44, 441-447.	1.3	4
62	Observation of heat flux and plasma flow in scrape off layer in QUEST. Journal of Nuclear Materials, 2015, 463, 428-431.	2.7	1
63	Development of gyrotrons for fusion with power exceeding 1 MW over a wide frequency range. Nuclear Fusion, 2015, 55, 093009.	3.5	16
64	Current density calculation from particle orbit in RF-driven divertor plasma on QUEST. , 2015, , .		1
65	Particle balance in long duration RF driven plasmas on QUEST. Journal of Nuclear Materials, 2015, 463, 1084-1086.	2.7	15
66	Comparison between Non-Inductive Plasma Current Start-Up Using ECRH with and without Fundamental Resonance on QUEST. Plasma and Fusion Research, 2015, 10, 3402066-3402066.	0.7	6
67	Development of 28 GHz Gyrotron for Cooperative ECH Study. Fusion Science and Technology, 2015, 68, 147-151.	1.1	5
68	Heat flux and plasma flow in the far scrape-off layer of the inboard poloidal field null configuration in QUEST. Physics of Plasmas, 2015, 22, .	1.9	4
69	High <sup>12</sup> pplasma formation using off-axis ECCD in Ohmic heated plasma in the spherical tokamak QUEST. EPJ Web of Conferences, 2015, 87, 02012.	0.3	1
70	Recent Upgrading of ECRH System and Studies to Improve ECRH Performance in the LHD. EPJ Web of Conferences, 2015, 87, 02011.	0.3	9
71	Research and Development of 2-frequency (110/138 GHz) FADIS for JT-60SA ECHCD system. EPJ Web of Conferences, 2015, 87, 04009.	0.3	1
72	Global gas balance and influence of atomic hydrogen irradiation on the wall inventory in steady-state operation of QUEST tokamak. Journal of Nuclear Materials, 2015, 463, 1087-1090.	2.7	15

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73	Conceptual Design of Dual Baseline-Frequency Fast Directional Switch using Square Corrugated Waveguide Splitter/Combiner. Journal of Infrared, Millimeter, and Terahertz Waves, 2015, 36, 662-674.	2.2	6
74	Dynamical programming based turbulence velocimetry for fast visible imaging of tokamak plasma. Review of Scientific Instruments, 2015, 86, 033505.	1.3	10
75	Self organization of high $\beta_p$ plasma equilibrium with an inboard poloidal magnetic field null in QUEST. Nuclear Fusion, 2015, 55, 083009.	3.5	13
76	Optimization of the high harmonic ECRH scenario to extend a heating plasma parameter range in LHD. Nuclear Fusion, 2015, 55, 063035.	3.5	14
77	Overview of transport and MHD stability study: focusing on the impact of magnetic field topology in the Large Helical Device. Nuclear Fusion, 2015, 55, 104018.	3.5	10
78	Development of a high-performance control system by decentralization with reflective memory on QUEST. Fusion Engineering and Design, 2015, 96-97, 629-632.	1.9	5
79	Scrape Off Layer Flow Characteristics in the Spherical Tokamak QUEST. , 2014, , .		0
80	Adaptive array technique for differential-phase reflectometry in QUEST. Review of Scientific Instruments, 2014, 85, 11D842.	1.3	5
81	Electron Bernstein wave heating and emission measurement through the very narrow O-X-B mode conversion window in the LHD. , 2014, , .		1
82	Role of stochasticity in turbulence and convective intermittent transport at the scrape off layer of Ohmic plasma in QUEST. Physics of Plasmas, 2014, 21, 072311.	1.9	8
83	Development of a plasma control system for steady-state operation on QUEST. Journal of the Korean Physical Society, 2014, 65, 1191-1195.	0.7	2
84	Determination of waveguide mode content using irradiance moments. , 2014, , .		0
85	Role of energetic electrons during current ramp-up and production of high poloidal beta plasma in non-inductive current drive on QUEST. Nuclear Fusion, 2014, 54, 023010.	3.5	29
86	Thermal imaging of plasma with a phased array antenna in QUEST. Review of Scientific Instruments, 2014, 85, 11E808.	1.3	7
87	Corrugated Waveguide Mode Content Analysis Using Irradiance Moments. IEEE Transactions on Plasma Science, 2014, 42, 3358-3364.	1.3	1
88	Shape Reconstruction of RF-Driven Divertor Plasma on QUEST. IEEE Transactions on Plasma Science, 2014, 42, 2309-2312.	1.3	5
89	Analytical Solution of High $\beta_p$ Equilibria with Natural Inboard Poloidal Null Configuration Obtained in the Spherical Tokamak QUEST. Plasma and Fusion Research, 2014, 9, 3402093-3402093.	0.7	5
90	Investigation of Non-inductive Plasma Current Start-up by RF on QUEST. Journal of Physics: Conference Series, 2014, 511, 012041.	0.4	3

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91	Electron Bernstein wave heating by electron cyclotron wave injection from the high-field side in LHD. Nuclear Fusion, 2013, 53, 063004.	3.5	7
92	Development of plasma control system for divertor configuration on QUEST. Fusion Engineering and Design, 2013, 88, 1074-1077.	1.9	4
93	Cross-field motion of plasma blob-filaments and related particle flux in an open magnetic field line configuration on QUEST. Journal of Nuclear Materials, 2013, 438, S513-S517.	2.7	4
94	Development of multi-purpose MW gyrotrons for fusion devices. Nuclear Fusion, 2013, 53, 063003.	3.5	12
95	H $\alpha$ Loop Shaping Control for Plasma Vertical Position Instability on QUEST. Plasma Science and Technology, 2013, 15, 295-299.	1.5	3
96	In-situ real-time characterization of spurious modes in HE <sub>11</sub> transmission lines with a mitrebend hole coupler. , 2013, , .		0
97	Shape reconstruction of RF-driven divertor plasma on QUEST. , 2013, , .		1
98	Extension of operation regimes and investigation of three-dimensional currentless plasmas in the Large Helical Device. Nuclear Fusion, 2013, 53, 104015.	3.5	35
99	Steady-state operation using a dipole mode ion cyclotron heating antenna and 77 GHz electron cyclotron heating in the Large Helical Device. Nuclear Fusion, 2013, 53, 063017.	3.5	22
100	Non-Inductive Current Drive by EC Waves in an Inboard Poloidal Magnetic Field Null Configuration on the Spherical Tokamak QUEST. Plasma and Fusion Research, 2013, 8, 2402118-2402118.	0.7	1
101	High Harmonic ECH Experiment for Extension of Heating Parameter Regime in LHD. Plasma and Fusion Research, 2013, 8, 2402073-2402073.	0.7	2
102	Development of Full D-Band Corrugated Horn Antenna for ECRH System. Plasma and Fusion Research, 2013, 8, 1405163-1405163.	0.7	3
103	Turbulence Velocimetry of Tangential Fast Imaging Data on QUEST. Plasma and Fusion Research, 2013, 8, 2402098-2402098.	0.7	1
104	Fast visible imaging and edge turbulence analysis in QUEST. Review of Scientific Instruments, 2012, 83, 10E524.	1.3	9
105	Statistical features of coherent structures at increasing magnetic field pitch investigated using fast imaging in QUEST. Nuclear Fusion, 2012, 52, 123016.	3.5	23
106	Non-inductive current start-up assisted by energetic electrons in Q-shu University experiment with steady-state spherical tokamak. Physics of Plasmas, 2012, 19, 062508.	1.9	41
107	Analysis of PWI footprint traces and material damage on the first walls of the spherical tokamak QUEST. Fusion Engineering and Design, 2012, 87, 77-86.	1.9	20
108	Quasi-Optical High Purity HE <sub>11</sub> -Mode Exciter for Oversized Corrugated Waveguide Transmission. Plasma and Fusion Research, 2012, 7, 2405037-2405037.	0.7	1

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109	In-situ characterization of spurious modes in HE <sub>11</sub> transmission lines with a 5-port coupler. EPJ Web of Conferences, 2012, 32, 04010.	0.3	3
110	Progress of ECRH by EBW in over-dense plasmas and controlling the confinement regime by ECCD with high power launching in LHD. EPJ Web of Conferences, 2012, 32, 02006.	0.3	3
111	ECW/EBW Heating and Current Drive Experiment Results and Prospects for CW Operation in QUEST. Plasma and Fusion Research, 2012, 7, 2402112-2402112.	0.7	11
112	Conceptual Design and Prototype Performance of Phased-array Antenna for EBWH/CD Experiments in QUEST. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 511-516.	0.2	6
113	Numerical and experimental investigation of a 5-port mitre-bend directional coupler for mode analysis in corrugated waveguides. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 491-504.	2.2	16
114	Permeation measurements for investigating atomic hydrogen flux and wall pumping/fuelling dynamics in QUEST. Journal of Nuclear Materials, 2012, 420, 83-93.	2.7	11
115	A Plasma Shape Identification with Magnetic Analysis for the Real-time Control on QUEST. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 477-484.	0.2	12
116	QUEST Experiments Towards Steady State Operation of Spherical Tokamaks. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 490-498.	0.2	2
117	Modeling of OXB Mode Conversion Scenario for EBWH/CD Experiments in QUEST. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 505-510.	0.2	3
118	Experimental Results for Electron Bernstein Wave Heating in the Large Helical Device. Plasma and Fusion Research, 2012, 7, 2402110-2402110.	0.7	4
119	Statistical Analysis of the Convective Intermittent Transport at the Edge Region of QUEST. IEEJ Transactions on Fundamentals and Materials, 2012, 132, 545-554.	0.2	0
120	Development of CW 16-element phased-array antenna for electron bernstein wave heating and current drive experiments in QUEST. , 2011, , .		0
121	Eddy current-adjusted plasma shape reconstruction by Cauchy condition surface method on QUEST. Fusion Engineering and Design, 2011, 86, 1080-1084.	1.9	6
122	First Ohmic Discharge Assisted with RF Power in QUEST Spherical Tokamak. Plasma and Fusion Research, 2011, 6, 1402003-1402003.	0.7	5
123	Hydrogen Permeation Measurements in the Spherical Tokamak QUEST and Its Numerical Modeling. Fusion Science and Technology, 2011, 60, 1511-1514.	1.1	0
124	Electron Cyclotron $\hat{\nu}$ Bernstein Wave Heating and Current Drive Experiments using Phased-array Antenna in QUEST. AIP Conference Proceedings, 2011, , .	0.4	2
125	Metallic dusts behavior in all-metal first wall on TRIAM-1M. Journal of Nuclear Materials, 2011, 415, S1123-S1126.	2.7	2
126	Study of blob-like structures in QUEST. Journal of Nuclear Materials, 2011, 415, S620-S623.	2.7	4



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127	Direct measurement of energetic electron flow in Q-shu University experiment with steady-state spherical tokamak. Review of Scientific Instruments, 2011, 82, 113509.	1.3	6
128	Statistical Interpretation of the Density Fluctuations From the High-Speed Visible Images of Edge Turbulence on QUEST. IEEE Transactions on Plasma Science, 2011, 39, 3006-3007.	1.3	1
129	Non-Inductive Start up of QUEST Plasma by RF Power. Plasma Science and Technology, 2011, 13, 307-311.	1.5	36
130	Measurement of the Electron Bernstein Wave Emission with One of the Power Transmission Lines for ECH in LHD. Plasma Science and Technology, 2011, 13, 405-409.	1.5	0
131	Investigations of the radial propagation of blob-like structure in a non-confined electron cyclotron resonance heated plasma on Q-shu University Experiment with a Steady-State Spherical Tokamak. Physics of Plasmas, 2011, 18, 092306.	1.9	5
132	Study of Matrix Converter as a Current-Controlled Power Supply in QUEST Tokamak. Plasma and Fusion Research, 2011, 6, 2405137-2405137.	0.7	2
133	Improvement of Plasma Core Confinement Via Electron-Root Realization by Strongly Focused ECRH in LHD: Core Electron-Root Confinement. Fusion Science and Technology, 2010, 58, 38-45.	1.1	6
134	ECRH-Related Technologies for High-Power and Steady-State Operation in LHD. Fusion Science and Technology, 2010, 58, 530-538.	1.1	41
135	Progress Toward Steady-State Operation in LHD Using Electron Cyclotron Waves. Fusion Science and Technology, 2010, 58, 551-559.	1.1	12
136	Research of Electron Cyclotron Resonance Heating Methods and Relevant Experiments. Fusion Science and Technology, 2010, 58, 539-550.	1.1	4
137	Measurement of hydrogen permeation due to atomic flux using permeation probe in the spherical tokamak QUEST. Fusion Engineering and Design, 2010, 85, 950-955.	1.9	6
138	Steady-State Operation Scenario and the First Experimental Result on QUEST. Plasma and Fusion Research, 2010, 5, S1007-S1007.	0.7	74
139	Analysis of the footprint traces on the first walls of the compact plasma wall interaction device (CPD) using surface analysis and electron orbit calculations. Nuclear Fusion, 2010, 50, 025017.	3.5	5
140	Progress of a multi-megawatt gyrotron system for Electron Cyclotron heating on the Large Helical Device. , 2010, , .		2
141	Development of CW phased-array antenna system for electron Bernstein Heating and Current Drive experiments in QUEST. , 2010, , .		0
142	Quasi-Optical HE <sub>11</sub> -mode exciter for coupling into oversized circular corrugated waveguide. , 2010, , .		0
143	Electron Bernstein wave Emission diagnostics using phased-array antenna system in QUEST. , 2010, , .		0
144	Differential-phase reflectometry using phased-array antenna system in QUEST. , 2010, , .		0

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145	Mode-Content Analysis and Field Reconstruction of Propagating Waves in Corrugated Waveguides of an ECH System. Plasma and Fusion Research, 2010, 5, S1029-S1029.	0.7	6
146	Measurement of Blob-Like Structures in Plasma with a Langmuir Probe and Fast Camera on QUEST. Plasma and Fusion Research, 2010, 5, S2077-S2077.	0.7	3
147	Reconstruction of Vacuum Magnetic Flux in QUEST. Plasma and Fusion Research, 2010, 5, S2083-S2083.	0.7	2
148	Plasma-Wall Interaction Study towards the Steady State Operation. Plasma and Fusion Research, 2010, 5, S2009-S2009.	0.7	0
149	Single-side-band heterodyne differential-phase reflectometry in QUEST. , 2009, , .		0
150	Mode retrieval from intensity profile measurements using irradiant waveguide-modes. , 2009, , .		4
151	Development of an analysis method on the mode conversion process between electromagnetic and electron Bernstein waves in real experimental configurations. , 2009, , .		1
152	Active particle control experiments and critical particle flux discriminating between the wall pumping and fuelling in the compact plasma wall interaction device CPD spherical tokamak. Nuclear Fusion, 2009, 49, 055020.	3.5	5
153	Two Dimensional Density Fluctuation Measurements During the Non-Inductive Current Ramp-up Phase in the Compact Plasma Wall Interaction Experimental Device CPD. Plasma Science and Technology, 2009, 11, 397-401.	1.5	2
154	Activities on Realization of High-Power and Steady-State ECRH System and Achievement of High Performance Plasmas in LHD. , 2009, , .		1
155	Active particle control in the CPD compact spherical tokamak by a lithium-gettered rotating drum limiter. Journal of Nuclear Materials, 2009, 390-391, 502-506.	2.7	8
156	Phased-array antenna for electron bernstein wave heating and current drive in QUEST. , 2009, , .		0
157	Development of net-current free heliotron plasmas in the Large Helical Device. Nuclear Fusion, 2009, 49, 104015.	3.5	54
158	Physical Design and Future Plan of QUEST. IEEJ Transactions on Fundamentals and Materials, 2009, 129, 589-594.	0.2	2
159	The current control of steady-state plasma in TRIAM-1M and HT-7. Fusion Engineering and Design, 2008, 83, 211-214.	1.9	0
160	High accessible experimental information on CPD experiment. Fusion Engineering and Design, 2008, 83, 402-405.	1.9	1
161	A WEB-based integrated data processing system for the TRIAM-1M. Fusion Engineering and Design, 2008, 83, 588-593.	1.9	1
162	Control system and the controllability of CPD and QUEST. Fusion Engineering and Design, 2008, 83, 236-240.	1.9	2

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163	Study on wall recycling behaviour in CPD spherical tokamak. Fusion Engineering and Design, 2008, 83, 1114-1119.	1.9	5
164	Effects of magnetic field and target plasma on the penetration behaviour of compact toroid plasma by heat load measurements in CPD. Nuclear Fusion, 2008, 48, 105001.	3.5	1
165	Initial Plasma Production by Townsend Avalanche Breakdown on QUEST Tokamak. Japanese Journal of Applied Physics, 2008, 47, 287-292.	1.5	3
166	Propagating mode analysis and field reconstruction in the corrugated waveguides of a high power electron cyclotron heating system. , 2008, , .		1
167	Study of magnetic configuration effects on plasma boundary and measurement of edge electron density in the spherical tokamak compact plasma wall interaction experimental device using Li sheet beam. Physics of Plasmas, 2008, 15, 022504.	1.9	7
168	Handling Technology of Mega-Watt Millimeter-Waves For Optimized Heating of Fusion Plasmas. Journal of Microwave Power and Electromagnetic Energy, 2008, 43, 60-70.	0.8	12
169	Visualization of Magnetic Surfaces during Current Ramp-Up Phase Using Thermal Lithium Sheet Beam in CPD. Plasma and Fusion Research, 2008, 3, 010-010.	0.7	7
170	First Demonstration of Rotational Transform Control by Electron Cyclotron Current Drive in Large Helical Device. Plasma and Fusion Research, 2008, 3, S1077-S1077.	0.7	10
171	Mode content analysis in circular corrugated waveguide using radiated field. , 2007, , .		2
172	Design of phased array antenna system for electron Bernstein wave heating and current drive in QUEST. , 2007, , .		0
173	Model of Inductive Plasma Production Assisted by Radio-Frequency Wave in Tokamaks. Journal of the Physical Society of Japan, 2007, 76, 084501.	1.6	0
174	A study on temperature effects on hydrogen recycling and molybdenum impurity emission from a movable limiter in TRIAM-1M Tokamak. Nuclear Fusion, 2007, 47, 864-874.	3.5	12
175	Electron Cyclotron Counter Current Drive Experiments in Lower Hybrid Current Drive Plasma in TRIAM-1M. Fusion Science and Technology, 2007, 52, 240-249.	1.1	1
176	Broadband radiometer system with fast frequency switching synthesizer for electron cyclotron emission measurements in LHD. , 2007, , .		0
177	Initial results of AM reflectometry on CPD. , 2007, , .		1
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