

飯吉厚夫 著作一覧

『物理学から世界を変える——科学者・飯吉厚夫の歩み』(風媒社、2021年)に掲載しきれなかった、専門性の高い学術論文等を以下に記載しております。

【邦文】

①論文

1963年

笠原英司、蓮井淳、江森康文、飯吉厚夫「プラズマジェットの性質に関する研究」『日本機械学会論文集』第29巻第207号、pp. 1816-1824

1964年

笠原英司、飯吉厚夫「円錐形電磁衝撃波管に関する研究」『日本航空学会誌』第12巻第128号、pp. 307-314

1965年

飯吉厚夫『電磁衝撃波管による強い衝撃波に関する研究』慶應義塾大学博士論文

1966年

飯吉厚夫「論文要旨 『電磁衝撃波管による強い衝撃波に関する研究』慶應義塾大学博士論文」『慶應大学工学部研究報告』別冊第5号、pp. 41-57

1970年

飯吉厚夫「イオンサイクロトロン共鳴について」『電磁流体シンポジウム論文集』40

飯吉厚夫他「大振巾イオンサイクロトロン波によるプラズマ加熱実験」『核融合研究』第25巻第2号、pp.61-72

1972年

飯吉厚夫他「特集エネルギー変換とその周辺問題 熱核融合炉への展望」『日本機械学会』第75巻第643号、pp.1227-1233

吉岡捷爾、佐藤元泰、飯吉厚夫「ヘリオトロンD装置における低密度中性ガス高速度瞬時測定」『核融合研究』第28巻第3号、pp. 162-174

1974年

森本茂行、木島滋、飯吉厚夫、吉岡捷爾、小山正晴、宇尾光治「ヘリオトロンD装置におけるジュール加熱プラズマの平衡、安全性と閉じ込めに及ぼすリミターの影響」『電気学会論文誌』Vol. 49-A, No. 10、pp. 447-452

1977年

本島修、大西正視、飯吉厚夫「D-D 炉の点火についての一提案」『核融合研究』第 38 卷第 2 号、pp. 205-223

1978 年

宇尾光治、飯吉厚夫「特集 核融合炉開発の現状 ヘリオトロン型核融合炉の開発現状」『原子力工業』第 24 卷第 3 号、pp.17-21

本島修、大西正視、飯吉厚夫「D-D 炉の着火についての一考察」『核融合研究』第 39 卷別冊 5 号、pp.63-65

1979 年

宇尾光治、本島修、飯吉厚夫「ヘリオトロン E 計画」『日本原子力学会誌』第 21 卷第 4 号、pp.286-292

喜多久直、和田辰治、中崎隆光、坪洋二、宇尾光治、本島修、飯吉厚夫「309 大型真空容器（核融合装置ヘリオトロン E 用）への電子ビーム溶接の適用」『溶接学会全国大会講演概要』第 25 号、pp.228-229

1980 年

飯吉厚夫「トカマク以外の核融合へのアプローチ—トーラス系」『日本物理学会誌』第 35 卷第 7 号、pp.583-592

1981 年

磯部昭二、飯吉厚夫、宇尾光治「中性粒子入射装置用クライオポンプの特性」『真空』第 24 卷第 4 号、pp.170-172

喜多久直、和田辰治、中崎隆光、坪洋二、加沢義彰、本島修、飯吉厚夫、宇尾光治「大型真空容器（核融合装置ヘリオトロン E 用）への電子ビーム溶接の適用 大出力電子ビーム溶接の実用化に関する研究（第 1 報）」『溶接学会誌』第 50 卷第 3 号、pp.296-302

1982 年

宇尾光治、飯吉厚夫「トカマク以外のトーラス系核融合研究の現状と展望」『日本原子力学会誌』第 24 卷第 10 号、pp.749-758

宇尾光治、飯吉厚夫、大引得弘、磯部昭二、上出泰生、橋本勲、細見信行、谷口昭「核融合装置「ヘリオトロン E」用中性粒子入射装置の技術開発」『日立評論』第 64 卷第 2 号、pp.35-40

1983年

飯吉厚夫「特集 核融合発電 トーラス方式の現状と問題点 ステラレータ、ヘリオトロン、トルサトロン」『電気学会雑誌』第 103 卷第 11 号、pp.1969-1071

飯吉厚夫、別生栄「ヘリオトロン方式による核融合開発の現状」『日本機械学会誌』第 86 卷第 778 号、pp.1050-1058

1985年

皆川秀紀、宇尾光治、福田伸、佐竹徹、毛利衛、山科俊郎、本島修、水内亨、千住徹、飯吉厚夫「プラズマシミュレータによる T_i の輸送過程の測定」『真空』第 28 卷第 5 号、pp.395-398

2007年

山口作太郎、渡辺誠、山本勇、ファマキンワ トーシン、飯吉厚夫「直流超伝導電システムの開発と目標—中部大学での実験と再生可能エネルギー」『中部大学工学部紀要』第 43 卷、pp.45-52

2018年

佐藤元泰、棚橋美治、山本則正、武藤敬、高野廣久、長谷川幸彦、木野康志、松原章宏、飯吉厚夫「定常超音速衝撃波中の高密度ガスにおけるインフライト・ミュオン触媒核融合の概念—インフライト・ミュオン触媒核融合ラムジェットエンジンの概念」『中部大学工学部紀要』第 53 号、pp.6-14

②書籍

1979年

松浦清剛、飯吉厚夫、大引得弘「イオンおよび電子の共鳴加熱」『実験物理学講座 30』、共立出版

1989年

慶應義塾大学理工学部編『ヒューマン・ハーモニー 科学と社会の調和をもとめて』、三田出版会

2012年

飯吉厚夫、井上輝夫、笠原三紀夫、鶴野公郎、小野桂之介、伊藤康彦、稻崎一郎、野口忠『変容する現代の大学教育を考える 学問の再構築を目指して』、風媒社

③解説・特別寄稿等

1973年

飯吉厚夫「3. トーラス装置でのイオンサイクロトロン共鳴加熱 (IV. I. C. R. H を中心としたイオン共鳴加熱)」『Research report』第 148 号、p.22

飯吉厚夫他「最近のヘリオトロン D 実験 (昭和 47 年度閉じこめ・加熱合同研究会報告)」『核融合研究』第 29 卷別冊 7、pp.39-44

1975年

飯吉厚夫「特集 核融合研究の現状と将来 基礎編 灰の取出し」『日本物理学会』第 30 卷第 11 号、pp.806-807

飯吉厚夫「特集 核融合研究の現状と将来 核融合炉 ダイバータ」『日本物理学会』第 30 卷第 11 号、pp.857-858

1980年

飯吉厚夫、宇尾光治「動き出したヘリオトロン E 装置」『日本原子力学会誌』Vol. 22, No. 10、pp. 701-702

1984年

飯吉厚夫、若谷誠宏「ヘリカル系トーラスの無電流プラズマの物理」『核融合研究』第 52 卷第 6 号、pp. 456-471

1989年

飯吉厚夫「宮本健郎氏のコメントに答えて」『日本物理学会誌』第 44 卷第 11 号、pp.864-865

1990年

飯吉厚夫「核融合と超伝導」『低温工学』第 25 卷第 6 号、p.361

1991年

藤家洋一、高橋清、吉田邦夫、茅陽一、飯吉厚夫、上之園親佐「パネル討論 エネルギー未来技術の可能性を探る」『電氣學會雑誌』第 111 卷第 6 号、pp.501-506

1993年

飯吉厚夫「宇尾光治先生とヘリオトロン研究」『日本物理学会誌』第 48 卷第 3 号、p.217
飯吉厚夫「第 1 回論文賞選考経緯」『プラズマ・核融合学会誌』第 69 卷第 6 号、pp.529-530

1996年

飯吉厚夫「プラズマ科学のさらなる発展を期して」『応用物理』第 65 卷第 6 号、p.567

1997年

飯吉厚夫「核融合エネルギー開発戦略について」『日本原子力学会誌』第 38 卷第 3 号、p.179

1998年

飯吉厚夫「大型ヘリカル装置(LHD)計画 PREFACE」『プラズマ・核融合学会誌』第74号 増刊号、pp.1-2

1999年

飯吉厚夫「ビッグプロジェクトと哲学の道 卷頭言」『学術月報』Vol. 52, No. 5、 pp. 518-519

2001年

飯吉厚夫「卷頭言 創刊に寄せて」『中部大学教育研究』第1号、p.0

2006年

飯吉厚夫「卷頭言 ある試み」『中部大学教育研究』第5号、p.0

2020年

本島修、飯吉厚夫「Society5.0 社会を実現するための高温超電導直流送電技術を活用する電力インフラの技術開発研究」『電気評論』10月号、pp.53-56

【英文】

①論文

1964年

E. Kasahara, A. Hasui, Y. Emori, A. Iiyoshi "Studies on Plasma Jet", Bulletin of JSME, Vol. 7, No. 27, (1964) pp. 590-596

1965年

A. Hasui, E. Kasahara, Y. Emori and A. Iiyoshi, "Experimental Study on Some Properties of Plasma Jet", National Research Institute for Materials, Vol. 7, No.2, (1965)

1967年

A. Iiyoshi, H. Yamato, S. Yoshikawa, "Limitation on Ion Cyclotron Heating in the Local Mirrors of the Model C-Stellarator", Physics of Fluids, Vol. 10, No. 4, (1967) pp. 749-755

H. Yamato, A. Iiyoshi, M. Rothman, R. Sinclair, S. Yoshikawa, "Confinement of Energetic Plasma in magnetic Mirrors in the Model C-Stellarator", Physics of Fluids, Vol. 10, No. 4, (1967) pp. 756-766

J. Paul, G. Goldenbaum, A. Iiyoshi, L. Holmes, R. Hardcastle, "Measurement of Electron Temperatures Produced by the Collisionless Shock Waves in a Magnetised Plasma", Nature, Vol. 216, No. 28, (1967), pp. 363-364 (Reprinted from Proc. of Novosibirsk Symposium on Collisionless Shock Waves, CLM-P-142, (1967)

1971年

A. Iiyoshi, S. Sakakibara, J. Fujita, N. Inoue, C. Leloup, "Plasma Heating Experiments due to Large Amplitude Ion Cyclotron Waves", Journal of Physical Society of Japan, Vol. 31, (1971) p. 315

K. Uo, A. Iiyoshi, et. al, "Plasma Confinement Experiment in the Heliotron-D Machine", Proc. of 4th International Conference on Plasma Physics and Controlled Nuclear Fusion Research 1971, (Madison), Vol. 111, IAEA-CN-28/H-8 (1971), pp. 109-118

1972年

A. Iiyoshi, S. Morimoto, S. Konoshima, S. Yoshioka, M. Sato, K. Uo, "Plasma Confinement Experiments in the Heliotron-D", Proc. of 5th European Conference on Controlled Fusion and Plasma Physics (Grenoble, 1972), Vol. 1,2 (1972), p.78

1973年

K. Uo, A. Iiyoshi, et al, "Experiments on the Ohmically Heated Plasma in the Heliotron-D" Proc. of 3rd International Symposium on Toidal Plasma Confinement (Garching, 1973), D-5 (1973)

K. Uo, S. Morimoto, S. Konoshima, M. Koyama, A. Iiyoshi, "Effect of a Limiter on the Ohmic Discharges in the Heliotron D", Physical Review Letters, Vol. 31, No. 16, (1973) pp. 986-989

1974年

A. Iiyoshi, S. Morimoto, S. Konoshima, S. Yoshioka, M. Sato, I. Ohtake, M. Yamada, K. Uo, "Plasma Confinement Studies in the Heliotron-D", Nuclear Fusion, 14 (1974), pp. 7-12

A. Sasaki, T. Obiki, M. Koyama, M. Sato, I. Ohtake, A. Iiyoshi, K. Uo, "Effects of Grow Discharge Cleaning on the Joule Heating in the Heliotron-D", Nuclear Fusion, 14 (1974), pp.287-289

A. Iiyoshi, M. Sato, A. Sasaki, T. Obiki, K. Uo, "Ion-Cyclotron heating Experiments on the Heliotron-D", Nuclear Fusion, 14 (1974), pp. 789-792

S. Morimoto, S. Konoshima, A. Iiyoshi, S. Yoshioka, K. Uo, "Effects of a Limiter on Equilibrium, Stability and Confinement of an Ohmically Heated Plasma in Heliotron D Machines", Electrical Engineering in Japan, Vol. 94, No. 5, (1974) pp. 38-43 (Transported form Denki Gakkai Ronbunshi, Vol. 49-A. No. 10, pp. 447-452

1975年

K. Uo, A. Iiyoshi, et al., "Confinement and Ion-Cyclotron-Heating Experiments with Ohmically Heated Plasma in the Heliotron-D", Proc. of 5th International Conference on Plasma Physics and Controlled Nuclear Fusion Research 1974, Vol. 111 (1975), IAEA-CN-33/B5-3, pp.129-137

A. Iiyoshi, K. Uo, "Heliotron as a Steady Fusion Reactor", Proc. of 5th International Conference on Plasma Physics and Controlled Nuclear Fusion Research 1974, Vol. 111 (1975), IAEA-CN-33/G4, pp. 619-630

O. Motojima, A. Iiyoshi, K. Uo, "Divertor Experiment in the Heliotron-D Device", Nuclear Fusion, 15 (1975) p.18

K. Uo, O. Motojima, A. Iiyoshi, S. Morimoto, "The Divertor Experiment on the Heliotron-D Device", Proc. of 7th European Conference on Controlled Fusion and Plasma Physics,

(Lausanne, 1975), Vol. 1, (1975) p.18

1976年

A. Iiyoshi, T. Obiki, M. Sato, A. Sasaki, T. Mutoh, S. Adachi, K. Uo, "Ion Cyclotron and Shear Alfvén Wave Heating on the Heliotron D", The 3rd International Meeting on Theoretical and Experimental Aspects of Heating of Toroidal Plasmas (EURATOM, Grenoble) Vol. 2 (1976) p. 305

1977年

K. Uo, A. Iiyoshi, T. Obiki, S. Morimoto, A. Sasaki, K. Kondo, O. Motojima, S. Yoshioka, I. Ohtake, M. Nakasuga, M. Sato, K. Hanatani, T. Mutoh, "Plasma Confinement and RF Heating on the Heliotron DM and Device", Proc. of 6th International Conference on Plasma Physics and Controlled Nuclear Fusion Research (Berchtesgaden, 1976), Vol. 11, IAEA-CN-35/D4, (1977)

T. Obiki, T. Mutoh, S. Adachi, A. Sakai, A. Iiyoshi, K. Uo, "Alfvén Wave Heating in the Heliotron-D", Physical Review Letters, Vol. 39, No. 13, (1977), pp. 812-815

A. Iiyoshi, O. Motojima, M. Ohnishi, "Ignition of Catalized-D Reactor from D-T Burning", Proc. of 7th Symposium on Engineering Problems of Fusion Research, (Knoxville, 1977)

1978年

K. Uo, T. Obiki, A. Sasaki, T. Mutoh, S. Kinoshita, A. Iiyoshi, "Shear Alfvén Heating Experiment in the Heliotron D", Proc. of 8th European Conference on Controlled Fusion and Plasma Physics, (Prague, 1977), (1978), p. 158

K. Uo, O. Motojima, A. Iiyoshi, "Heliotron E Project", Proc. of 10th Symposium of Fusion Technology (SOFT), (Padua, 1978), pp. 91-98

K. Uo, O. Motojima, T. Obiki, A. Iiyoshi, S. Koseki, K. Murai, S. Suzuki, Y. Ueyama, "Power Supply and Control Systems of Heliotron E", Proc. of 10th Symposium of Fusion Technology (SOFT), (Padua, 1978), pp. 395-400

1979年

K. Uo, A. Iiyoshi, et. al., "RF Heating Experiments on Heliotron Devices and Analysis of Equilibrium and Stability of Straight Helical Heliotron Plasma", Proc. of 7th International Conference on Plasma Physics and Controlled Nuclear Research, (Innsbruck, 1978), IAEA-CN-37/L-1, (1979) pp. 323-334

M. Wakatani, T. Yoshioka, K. Hanatani, O. Motojima, A. Iiyoshi, K. Uo, "Magnetohydrodynamic Instabilities in a High Shear Helical System", Journal of the Physical Society of Japan, Vol. 47, No. 3, (1979) pp. 947-983

T. Mutoh, S. KiInoshita, M. Sato, T. Obiki, K. Uo, A. Iiyoshi, "Investigation of Electron Heating Due to the Kinetic Shear Alfvén Wave in the Troidal Plasma", Journal of the Physical Society of Japan, Vol. 47, No. 2, (1979) pp. 642-645

S. Morimoto, K. Kondo, T. Mizuuchi, A. Iiyoshi, K. Uo, "Confinement of Ohmically Heated Plasmas in Heliotron D", Japanese Journal of Applied Physics, Vol. 18, No. 3, March, (1979) pp. 621-625

O. Motojima, A. Iiyoshi, K. Uo, System Design of the Helical Coils in Heliotron E Concerning to the Effect of Perturbations, on the Magnetic Fields", IEEE, 1-5/79 Copyright, (1979) pp. 789-793

O. Motojima, H. Kita, Y. Kazawa, A. Iiyoshi, K. Uo, "The Application of Electron Beam Welding to the Vacuum Chamber of Heliotron E", IEEE, 1-5/79 Copyright, (1979) pp. 1586-1590

1980 年

S. Besshou, K. Hanatani, A. Iiyoshi, H. Kaneko, K. Kondo, T. Mizuuchi, O. Motojima, S. Morimoto, T. Mutoh, T. Obiki, A. Sano, A. Sasaki, M. Sato, K. Uo, M. Wakatani, H. Zushi, "Heating Experiments in the Heliotron E", Proc. of 2nd Joint Varenna-Grenoble International Symposium, (Como, 1980), Vol. 2, pp. 1009-1014

O. Motojima, A. Iiyoshi, K. Uo, "Study of Current-Driven Magnetohydrodynamic Instability in the Heliotron-D Device", Physical Review Letters, Vol. 44, No. 4, (1980) pp. 251-255

1981 年

K. Uo, A. Iiyoshi, T. Obiki, S. Morimoto, M. Wakatani, O. Motojima, A. Sasaki, et. al., "Recent Developments in Heliotron Research", Proc. of 8th International Conference on Plasma Physics and Controlled Nuclear Fusion Research (Brussels, 1980), Vol. 1, IAEA-CN-38/H-4, (1981) pp. 217-224

S. Morimoto, K. Kondo, T. Mizuuchi, A. Iiyoshi, K. Uo, "Electron Thermal Energy of Ohmically Heated Plasmas in Heliotron D", Japanese Journal of Applied Physics, Vol. 20, (1981), pp.301-302

S. Kinoshita, O. Motojima, A. Iiyoshi, K. Uo, "Experiments of MHD Activities of low Modes in the Heliotron-D", Japanese Journal of Applied Physics, Vol. 20, No. 3, (1981), pp.217-220

K. Uo, A. Iiyoshi, T. Obiki, S. Morimoto, O. Motojima, A. Sasaki, K. Kondo, et. al., "Recent Experimental Results in Heliotron E", Proc. of 10th European Conference on Controlled Fusion and Plasma Physics (Moscow, 1981), E-1

O. Motojima, T. Obiki, S. Morimoto, M. Sato, A. Iiyoshi, K. Uo, at. al., "Joule Heating Experiment in the Heliotron E Device", Proc. of 3rd Stellarator Workshop, (Moscow, 1981)

O. Motojima, A. Iiyoshi, K. Uo, "General Characteristics of the Heliotron Reactor", Proc. of 3rd Stellarator Workshop, (Moscow, 1981)

K. Uo, A. Iiyoshi, T. Obiki, S. Morimoto, O. Motojima, A. Sasaki, K. Kondo, M. Sato, et. al., "NBI Experiment on Heliotron E", Proc. of 3rd Stellarator Workshop, (Moscow, 1981)

K. Uo, A. Iiyoshi, T. Obiki, S. Morimoto, M. Sato, O. Motojima, A. Sasaki, et.al., "ECRH Experiment in the Heliotron E Device", Proc. of 3rd Stellarator Workshop, (Moscow, 1981)

H. Nakashima, M. Ohta, A. Iiyoshi, "Nuclear Design of Heliotron Fusion Reactor

Blankets (II)", Proc. of the 9th Symposium on Engineering Problems of Fusion Research (Chicago, 1981), IEEE CH 1715-2 NPS, (1981) pp. 1805-1808

1982年

F. Sano, T. Obiki, A. Sasaki, A. Iiyoshi, K. Uo, "Hydrogen Ion Species Analysis and Related Neutral Beam Injection Power Assessment in the Heliotron E Neutral Beam Injection System", Japanese Journal of Applied Physics, Vol. 21, No. 3, (1982), pp. 517-522 (Transported from Proc. of the 5th Symposium on Ion Sources and Ion-Assisted Technology ISIAT '81)

K. Uo, A. Iiyoshi, T. Obiki, O. Motojima, M. Sato, T. Mutoh, S. Sudo, M. Iima, H. Kaneko, H. Zushi, S. Besshou, K. Kondo, T. Mizuuchi, M. Nakasuga, K. Hanatani, S. Morimoto, "ECR Heating Experiments in Heliotron E", Proc. of 3rd Joint Varenna-Grenoble International Symposium, (Grenoble, 1982), Vol. 2, pp. 667-676

A. Iiyoshi, M. Sato, O. Motojima, T. Mutoh, S. Sudo, M. Iima, S. Kinoshita, H. Kaneko, K. Uo, et. al., "Confinement of a Currentless Plasma in the Heliotron E", Physical Review Letters, Vol. 48, No. 11 (1982) pp. 745-748

T. Mizuuchi, S. Morimoto, A. Iiyoshi, K. Uo, "Experimental Studies of Magnetic Surfaces in Heliotron DM", Nuclear Fusion, Vol. 22, No. 2 (1982) pp. 247-253

H. Zushi, Y. Nakashima, K. Noumi, K. Kondo, S. Sudo, T. Mutoh, O. Motojima, A. Iiyoshi, K. Uo, "Ion Energy Containment in Heliotron-E", Nuclear Fusion, Vol. 22, No. 10 (1982) pp. 1341-1348

H. Zushi, Y. Nakashima, K. Kondo, A. Iiyoshi, K. Uo, "Charge Exchange Neutral Particle Measurement in Heliotron E", Journal of the Physical Society of Japan, Vol. 51, No. 8, August (1982) pp. 2673-2685

S. Besshou, O. Motojima, A. Iiyoshi, K. Uo, "Photo-Neutron Production in Heliotron-E", Journal of Nuclear Science and Technology, Vol. 19, No. 10, (1982) pp. 821-830

H. Nakashima, M. Ohta, A. Iiyoshi, "Tritium Breeding Capability of Heliotron-H Fusion Reactor Blankets", Journal of Nuclear Science and Technology, Vol. 19, No. 9, (1982) pp. 762-764

1983年

K. Uo, A. Iiyoshi, T. Obiki, O. Motojima, S. Morimoto, A. Sasaki, K. Kondo, M. Sato, T. Mutoh, H. Zushi, H. Kaneko, S. Besshou, F. Sano, T. Mizuuchi, S. Sudo, K. Hanatani, M. Nakasuga, I. Otake, M. Iima, Y. Nakashima, N. Nishino, "Part I. Heating Experiment on the Heliotron E Plasma", Proc. of 9th International Conference on Plasma Physics and Controlled Nuclear Fusion Research, (Baltimore, 1982), IAEA-CN-41/L-3, (1983) pp. 209-217

O. Motojima, A. Iiyoshi, K. Uo, "Part II. The design Study of Heliotron Steady Reactor", Proc. of 9th International Conference on Plasma Physics and Controlled Nuclear Fusion Research, (Baltimore, 1982), IAEA-CN-41/L-3, (1983) pp. 218-225

K. Kondo, S. Sudo, H. Zushi, T. Mizuuchi, T. Mutoh, H. Kaneko, K. Yaguchi, A. Iiyoshi, K. Uo, T. Oda, M. Hamatono, T. Ohga, "Laser-Aided Plasma Diagnostics on Heliotron E",

Proc. of Kyushu International Symposium on Laser-Aided Plasma Diagnostics, (1983)
p.45

S. Sudo, K. Kondo, T. Mutoh, H. Zushi, A. Iiyoshi, K. Uo, I. Komatsu, "Laser System for Two Pulse and Multiple Position Thomson Scattering", Review of Scientific Instruments, Vol. 54, (1983) pp. 114-115

F. Sano, T. Obiki, A. Sasaki, A. Iiyoshi, K. Uo, "Ion-Extraction Performance of the Circular Magnetic-Multipole Bucket Ion Source Applied for the Neutral Beam Injection System of the Heliotron E Machine", Review of Scientific Instruments, Vol. 54, No. 1, (1983) pp. 41-45

M. Sato, O. Motojima, S. Sudo, T. Mutoh, H. Zushi, K. Kondo, S. Besshou, H. Kaneko, T. Mizuuchi, K. Hanatani, M. Nakasuga, M. Iima, Y. Nakashima, N. Nishino, A. Iiyoshi, K. Uo, "Behavior of Electrons of an ECRH Plasma in Heliotron E", Nuclear Fusion, Vol. 23, No. 10, (1983) pp. 1333-1340

S. Sudo, K. Kondo, T. Mutoh, H. Zushi, A. Iiyoshi, K. Uo, "Two Pulse and Multiple Position Thomson Scattering System", Japanese Journal of Applied Physics, Vol. 22, No. 3, (1983) pp. 483-490

T. Mutoh, O. Motojima, S. Sudo, K. Kondo, Y. Ijiri, S. Besshou, H. Kaneko, T. Mizuuchi, H. Zushi, T. Obiki, A. Iiyoshi, K. Uo, "Parametric Studies of Ohmically Heated Plasmas in Heliotron E", IEEE Transactions on Plasma Science, Vol. PS-11, NO. 3, (1983) pp. 238-243

Y. Nakashima, H. Zushi, K. Hanatani, K. Kondo, A. Sasaki, M. Sato, T. Mutoh, H. Kaneko, F. Sano, S. Besshou, S. Sudo, T. Mizuuchi, M. Wakatani, O. Motojima, T. Obiki, A. Iiyoshi, K. Uo, "Neutral Density Measurements by Charge Exchange Analysis on the Heliotron E Plasma", Journal of the Physical Society of Japan, Vol. 52, No. 12, (1983) pp. 4166-4175

K. Uo, A. Iiyoshi, T. Obiki, O. Motojima, S. Morimoto, A. Sasaki, K. Kondo, M. Sato, T. Mutoh, H. Zushi, H. Kaneko, S. Besshou, F. Sano, T. Mizuuchi, S. Sudo, K. Hanatani, M. Nakasuga, I. Otake, M. Iima, Y. Nakashima, N. Nishino, "Recent Results on Heliotron E", Nuclear Instruments and Methods, Vol. 207, (1983) pp. 151-160

M. Wakatani, H. Shirai, H. Zushi, H. Kaneko, O. Motojima, T. Obiki, A. Iiyoshi, K. Uo, "Numerical Studies of International Disruptions in Heliotron E", Nuclear Fusion, Vol. 23, NO. 12, (1983) pp. 1669-1674

M. Sato, O. Motojima, S. Sudo, T. Mutoh, H. Zushi, K. Kondo, S. Besshou, H. Kaneko, T. Mizuuchi, K. Hanatani, M. Nakasuga, M. Iima, Y. Nakashima, N. Nishino, A. Iiyoshi, K. Uo, "Behavior of Electrons of an ECRH Plasma in Heliotron E", Nuclear Fusion, Vol. 23, NO. 12, (1983) pp. 1333-1340

1984 年

T. Oda, K. Kondo, M. Hamamoto, T. Ohgo, S. Sudo, H. Zushi, T. Mutoh, F. Sano, M. Sato, H. Kaneko, T. Mizuuchi, S. Besshou, O. Motojima, T. Obiki, A. Iiyoshi, K. Uo, "Observation of Metal Impurity Behavior in Heliotron E By Use of Laser-Induced Fluorescence Technique", Journal of Nuclear Materials, Vol. 128 & 129, (1984) pp. 262-265

J. N. Talmadge, H. Zushi, S. Sudo, T. Mutoh, M. Sato, T. Obiki, O. Motojima, A. Iiyoshi, K. Uo, "Central Electron Temperature Measurement by Third-Harmonic Electron-Cyclotron Emission from the Heliotron-E Currentless Plasma", Physical Review Letters, Vol. 52, No. 1, (1984) pp. 33-36

S. Besshou, O. Motojima, M. Sato, T. Obiki, A. Iiyoshi, K. Uo, "Observation of Beam-Induced Toroidal Plasma Currents and Neoclassical Current under Neutral Beam InjectioH. n Heating in Heliotron E", Plasma Physics and Controlled Fusion, Vol. 26, No. 3, (1984) pp. 565-574

T. Mizuuchi, O. Motojima, S. Besshou, A. Iiyoshi, K. Uo, "Experimental Studies on the Separatrix Plasma in Heliotron E", Journal of Nuclear Materials, Vol. 121, (1984) pp. 3-9

H. Zushi, M. Wakatani, K. Takeuchi, T. Mutoh, S. Sudo, M. Sato, S. Besshou, H. Kaneko, K. Kondo, T. Mizuuchi, O. Motojima, A. Iiyoshi, K. Uo, "Transported Simulation of the Currentless ECRH Plasma in Heliotron E", Nuclear Fusion, Vol. 24, No. 3, (1984) pp. 305-315

T. Mutoh, H. Okada, O. Motojima, S. Morimoto, M. Sato, H. Zushi, K. Kondo, S. Sudo, S. Besshou, T. Mizuuchi, H. Kaneko, F. Sano, M. Iima, T. Obiki, A. Iiyoshi, K. Uo, "ICRF Heating of Currentless ECRH Plasma in Heliotron E", Nuclear Fusion, Vol. 24, No. 8, (1984) pp. 1003-1012

F. Sano, T. Obiki, O. Motojima, A. Sasaki, K. Hanatani, H. Zushi, S. Sudo, S. Besshou, M. Sato, T. Mutoh, H. Kaneko, T. Mizuuchi, K. Kondo, M. Nakasuga, Y. Nakashima, N. Nishino, A. Iiyoshi, K. Uo, "Ion and Electron Energy Balance Calculations for Neutral-Beam-Heated Heliotron-E Plasmas", Nuclear Fusion, Vol. 24, No. 9, (1984) pp. 1103-1116

K. Uo, A. Iiyoshi, T. Obiki, O. Motojima, S. Morimoto, M. Wakatani, A. Sasaki, K. Kondo, M. Sato, K. Hanatani, T. Mutoh, H. Zushi, H. Kaneko, S. Besshou, M. Nakasuga, F. Sano, T. Mizuuchi, S. Sudo, J. H. Harris, J. E. Rice, J. L. Terry, I. Ohtake, M. Iima, H. Okada, K. Magome, "Neutral-Beam Injection Heating Experiment on Currentless Plasma in the Heliotron E Device", Nuclear Fusion, Vol. 24, No. 12, (1984) pp. 1551-1560

S. Besshou, S. Morimoto, O. Motojima, T. Obiki, A. Iiyoshi, K. Uo, "VUV Radiation Bolometer for Beam-Heated Currentless Plasmas in Heliotron-E", Japanese Journal of Applied Physics, Vol. 23, No. 11, (1984) pp. L839-L842

J. E. Rice, J. L. Terry, E. S. Marmar, O. Motojima, H. Kaneko, K. Kondo, T. Mizuuchi, S. Besshou, T. Mutoh, F. Sano, A. Sasaki, M. Sato, S. Sudo, H. Zushi, M. Iima, K. Magome, T. Obiki, A. Iiyoshi, K. Uo, "Transport of Injected Impurities in Heliotron E", Nuclear Fusion, Vol. 24, No. 9, (1984), pp. 1205-1211

J. H. Harris, O. Motojima, H. Kaneko, S. Besshou, H. Zushi, M. Wakatani, F. Sano, S. Sudo, A. Sasaki, K. Kondo, M. Sato, T. Mutoh, T. Mizuuchi, M. Iima, T. Obiki, A. Iiyoshi, K. Uo, "Magnetohydrodynamic Activity in High- β , Currentless Plasmas in Heliotron-E", Physical Review Letters, Vol. 53, No. 23, (1984) pp. 2242-2245

O. Motojima, T. Mizuuchi, S. Besshou, A. Iiyoshi, K. Uo, "Analysis of the Plasma-Wall Interaction in the Heliotron E Device", Journal of Nuclear Materials, Vol. 128-129, (1984)

pp. 5252-530

1985 年

H. Shirai, M. Wakatani, H. Zushi, Y. Nakashima, O. Motojima, A. Iiyoshi, K. Uo, "Relaxation Oscillation in an Ohmic-Heated Heliotron E Plasma with a Zero Rotational Transform Surface", Journal of the Physical Society of Japan, Vol. 54, No. 2, (1985) pp. 579-590

S. Besshou, O. Motojima, M. Sato, F. Sano, T. Obiki, A. Iiyoshi, K. Uo, "Thermonuclear Fusion Neutrons under 'Currentless Plasma' in Heliotron", Journal of the Physical Society of Japan, Vol. 54, No. 4, (1985) pp. 1348-1359

T. Matsui, H. Nakashima, M. Ohta, O. Motojima, M. Nakasuga, A. Iiyoshi, K. Uo, "Nuclear Design of a Heliotron-H Fusion Power Reactor", Journal of Fusion Energy, Vol. 4, No. 1, (1985) pp. 45-55

S. Sudo, O. Motojima, M. Sato, H. Zushi, F. Sano, K. Kondo, T. Mutoh, S. Besshou, T. Mizuuchi, H. Kaneko, T. Baba, M. Iima, T. Obiki, A. Iiyoshi, K. Uo, "Pellet Injection Experiment on NBI Current-free Plasmas in Heliotron E", Nuclear Fusion, Vol. 25, No. 1, (1985) pp. 94-99

K. Takeuchi, M. Wakatani, H. Hashimoto, M. Sato, S. Sudo, O. Motojima, A. Iiyoshi, K. Uo, "Ray Tracing Analyses of Current-free ECRH Plasmas in Heliotron E", Journal of the Physical Society of Japan, Vol. 54, No. 8, (1985) pp. 2915-2926

K. Uo, A. Iiyoshi, T. Obiki, O. Motojima, S. Morimoto, M. Wakatani, A. Sasaki, K. Kondo, M. Sato, K. Hanatani, T. Mutoh, H. Zushi, H. Kaneko, S. Besshou, M. Nakasuga, F. Sano, T. Mizuuchi, S. Sudo, J. Harris, I. Otake, M. Iima, H. Okada, Y. Nakashima, "NBI Heating of Currentless Plasma in Heriotron E", Proc. of the 10th International Conference on Plasma Physics and Controlled Nuclear Fusion Research 1984, (London), IAEA-CN-44 / F-1-4, (1985), pp. 453-461

A. Iiyoshi, O. Motojima, M. Sato, T. Mutoh, S. Sudo, T. Mizuuchi, H. Kaneko, H. Zushi, S. Besshou, K. Kondo, H. Okada, M. Iima, I. Otake, M. Wakatani, S. Morimoto, M. Nakasuga, T. Obiki, K. Uo, "RF Heating of Currentless Plasma in Heliotron E", Proc. of the 10th International Conference on Plasma Physics and Controlled Nuclear Fusion Research 1984, (London), IAEA-CN-44 / D-1-2, (1985), pp. 383-395

H. Zushi, O. Motojima, H. Kaneko, T. Mizuuchi, M. Wakatani, A. Iiyoshi, K. Uo, "m=1/n=1 Density Fluctuations in Currentless High β Plasma in Heliotron E", Review of Scientific Instruments, Vol. 56, (1985) pp. 919-921

O. Motojima, F. Sano, M. Sato, H. Kaneko, H. Zushi, S. Sudo, S. Besshou, A. Sasaki, K. Kondo, T. Mutoh, T. Mizuuchi, H. Okada, M. Iima, T. Baba, K. Hanatani, J. H. Harris, M. Wakatani, T. Ohbiki, A. Iiyoshi, K. Uo, "Studies of Currentless High-Beta Plasma in the Heliotron E Device", Nuclear Fusion, Vol. 25, No. 12, (1985) pp. 1783-1787

K. Hanatani, Y. Nakashima, H. Zushi, F. Sano, O. Motojima, A. Iiyoshi, K. Uo, et al., "Confinement of Helically Trapped Fast-Ion Orbits in a Neutral-Beam-Sustained Heliotron E Plasma", Nuclear Fusion, Vol. 25, No. 3, (1985) pp. 259-273

K. Uo, A. Iiyoshi, T. Obiki, O. Motojima, et al., "NBI and ECR Heating Experiments of

the Heliotron E Device", Proc. of 12th European Conference on Controlled Fusion and Plasma Physics, Vol. 1, (1985) pp. 401-404

O. Motojima, H. Zushi, T. Obiki, S. Sudo, K. Kaneko, F. Sano, et al., "Study of the Transport and Energy Balance of Heliotron E Plasmas", Proc. of 12th European Conference on Controlled Fusion and Plasma Physics, Vol. 1, (1985) pp. 405-408

S. Besshou, O. Motojima, M. Sato, F. Sano, T. Obiki, A. Iiyoshi, K. Uo, "Thermonuclear Fusion Neutrons under "Currentless Plasmas" in Heliotron E", Nuclear Instruments and Methods in Physics Research, A237, (1985) pp. 590-599

1986 年

D. L. Hillis, P. K. Mioduszewski, et al., O. Motojima, T. Mizuuchi, T. Mutoh, H. Zushi, A. Iiyoshi, K. Uo, "Pump Limiter Studies on the Heliotron-E Device", Journal of Nuclear Materials, Vol. 145-147, (1986) pp. 496-500 (Reprinted from Proc. of 7th International Conference on Plasma Surface Interactions in Controlled Fusion Devices (Princeton, 1986)

S. Besshou, S. Morimoto, O. Motojima, T. Mutoh, M. Sato, T. Obiki, A. Iiyoshi, K. Uo, "Radiative Lessons in Initial Heliotron-E Experiments", Nuclear Fusion, Vol. 26, No. 1, (1986) pp. 114-117

S. Morimoto, S. Okamoto, N. Yanagi, A. Iiyoshi, K. Uo, "Effects of Light Impurities on Electron Temperature Measured by Soft X-ray Filter Method", Japanese Journal of Applied Physics, Vol. 25, No. 1, (1986) pp. 120-123

M. Hamamoto, T. Ohgo, K. Kondo, T. Oda, A. Iiyoshi, K. Uo, "Coaxial Laser-Induced Fluorescence Spectroscopic System for Impurity Diagnostics in Plasmas", Japanese Journal of Applied Physics, Vol. 25, No. 1, (1986) pp. 99-102

S. Morimoto, S. Kobayashi, A. Iiyoshi, K. Uo, "Ohmic Heating in Rising Phase of Confining Field in Heliotron DR", Japanese Journal of Applied Physics, Vol. 25, No. 1, (1986) pp. 1445-1446

S. Besshou, Y. Miyagawa, S. Kato, O. Motojima, A. Iiyoshi, K. Uo, "X Ray Photoelectron Studies on Stainless Steel (SUS 304) in a Heliotron E Toidal Plasma Confining Device", Journal of Nuclear Materials, Vol. 140, (1986) pp. 171-179

F. Sano, T. Obiki, O. Motojima, M. Sato, S. Sudo, K. Hanatani, H. Zushi, T. Mizuuchi, S. Besshou, T. Mutoh, H. Kaneko, T. Mizuuchi, H. Okada, K. Kondo, S. Morimoto, M. Nakasuga, Y. Nakashima, K. Magome, M. Iima, T. Kawabata, I. Ohtake, Y. Ijiri, A. Iiyoshi, K. Uo, "Particle and Energy Balance Analysis of a Currentless High beta Plasma in Heliotron E", Nuclear Fusion, Vol. 26, No. 4, (1986) pp. 473-481

T. Mutoh, O. Motojima, M. Sato, H. Okada, H. Zushi, K. Kondo, N. Noda, H. Kaneko, T. Mizuuchi, S. Besshou, F. Sano, S. Sudo, Y. Takeiri, K. Akaishi, T. Kawahata, Y. Ijiri, K. Itoh, S. Morimoto, A. Iiyoshi, K. Uo, "ICRF Heating of Currentless plasma in Heliotron E", Proc. of 11th Int. Conf. on Plasma Physics and Controlled Nuclear Fusion Research (1986, Kyoto), IAEA-CN-47/D-2

K. Uo, A. Iiyoshi, T. Obiki, S. Morimoto, O. Motojima, M. Sato, S. Sudo, F. Sano, T. Mutoh, K. Akaishi, et al., "Studies on Currentless Heliotron E Plasma", Proc. of 11th Int. Conf.

on Plasma Physics and Controlled Nuclear Fusion Research (1986, Kyoto), IAEA-CN-47/D-1, pp. 355-368

1987年

H. Kaneko, K. Kondo, O. Motojima, H. Zushi, T. Mizuuchi, S. Sudo, S. Besshou, M. Sato, H. Okada, Y. Takeiri, F. Sano, T. Mutoh, T. Obiki, A. Iiyoshi, K. Uo, "Transport Analysis of Injected Impurities in Currentless Heliotron E Plasmas", Nuclear Fusion, Vol. 27, No. 7, (1987) pp. 1075-1090

T. Mizuuchi, O. Motojima, A. Iiyoshi, K. Uo, et al., "In-situ Surface Probe Analysis for Impurity Flux in the Heliotron-E Device", Journal of Nuclear Materials, Vol. 145-147 (1987) pp. 508-512

D. Okano, K. Uchino, A. Shimizu, K. Muraoka, M. Maeda, M. Akazaki, S. Sudo, O. Motojima, A. Iiyoshi, K. Uo, "Neutral Hydrogen Studies in Heliotron-E Using Balmer Alpha Laser Fluorescence Spectroscopy", Journal of Nuclear Materials, Vol. 145-147, (1987) pp. 504-507

K. Kondo, H. Okada, H. Zushi, T. Mizuuchi, S. Besshou, H. Kaneko, Y. Takeiri, T. Mutoh, S. Sudo, F. Sano, M. Sato, O. Motojima, T. Ohbiki, A. Iiyoshi, K. Uo, et al., "Neutral Fe Atom Measurements by Laser Induced Fluorescence Spectroscopy in Heliotron-E", Journal of Nuclear Materials, Vol. 145-147, (1987) pp. 501-503

Y. Nakayama, M. Wakatani, S. Yoshimura, A. Iiyoshi, "Possibility of Achieving $Q > 1$ by Tritium Pellet Injection into Hot Ion Mode Deuterium Plasmas in a Large Tokamak", Nuclear Fusion, Vol. 27, No. 1 (1987) pp. 159-167

S. Fukuda, T. Kobayashi, T. Hino, T. Yamashina, T. Mizuuchi, O. Motojima, A. Iiyoshi, K. Uo, S. Amemiya, "Applications of Thermal Desorption Spectroscopy and Nuclear Reaction Analysis to Hydrogen Retention in Heliotron-E", Journal of Nuclear Materials Vol. 145-147, (1987) pp. 513-516

S. Sudo, O. Motojima, F. Sano, H. Zushi, K. Kondo, T. Mutoh, M. Sato, H. Kaneko, T. Mizuuchi, S. Besshou, Y. Takeiri, T. Okada, T. Baba, T. Obiki, A. Iiyoshi, K. Uo, "Effects of NBI Power Modulation on Pellet Injection into a current free Plasma in Heliotron-E", Nuclear Fusion, Vol. 27, No. 9 (1987) pp. 1401-1410

H. Zushi, O. Motojima, M. Wakatani, F. Sano, S. Sudo, H. Kaneko, K. Kondo, T. Mizuuchi, K. Yaguchi, M. Sato, A. Iiyoshi, K. Uo, "Density Fluctuations in Currentless High Beta Plasmas in Heliotron-E", Nuclear Fusion, Vol. 27, No. 6 (1987) pp. 895-909

1988年

A. Iiyoshi, M. Wakatani, "Heliotron E Results and Large Helical Project", Journal of Nuclear Science and Technology, Vol. 26[1] (1988) pp. 204-208

H. Zushi, M. Sato, O. Motojima, S. Sudo, T. Mutoh, K. Kondo, H. Kaneko, T. Mizuuchi, H. Okada, Y. Takeiri, F. Sano, A. Iiyoshi, K. Uo, "Heating and Confinement Studies of Electron Cyclotron Resonance Heated Plasmas in Heliotron E", Nuclear Fusion, Vol. 28, No. 10, (1988) pp. 1801-1812

H. Zushi, O. Motojima, H. Kaneko, M. Wakatani, A. Iiyoshi, K. Uo, "Experimental Study

of Current Driven Relaxation Oscillations in Heliotron E", Journal of Physical Society of Japan, Vol. 57, No. 9, (1988) pp. 3009-3019

H. Zushi, T. Mizuuchi, O. Motojima, M. Wakatani, F. Sano, M. Sato, A. Iiyoshi, K. Uo, "Measurements of Edge Turbulance with Langmuir Probes in Current less Heliotron E Plasmas", Nuclear Fusion, Vol. 28, No. 3, (1988), pp. 433-441

J. Todoroki, T. Kamimura, H. Sanuki, T. Amano, T. Hayashi, K. Suzuki, T. Sato, K. Hanatani, Y. Nakamura, M. Wakatani, A. Iiyoshi, "MHD and Transport Study of the =2 Heliotron/Torsatron", Proc. of 12th Int. Conf. on Plasma Physics and Controlled Nuclear Fusion Research (Nice, 1988), CN-50/C-v-4

J. Todoroki, T. Kamimura, H. Sanuki, T. Amano, K. Hanatani, Y. Nakamura, M. Wakatani, A. Iiyoshi, "Compatibility study between Beta Limit and Improved Transport in =2 torsatoron/Heliotron", Proc. of 12th Int. Conf. on Plasma Physics and Controlled Nuclear Fusion Research (Nice, 1988), CN-50/C-4-2

K. Uchino, T. Koga, K. Muraoka, M. Maeda, M. Akazaki, S. Sudo, O. Motojima, F. Sano, M. Sato, T. Mutoh, H. Zushi, Y. Takeiri, A. Iiyoshi, K. Uo, "Studies of Particle Behaviour in Heliotron-E by Means of Balmer-Alpha Laser Fluorescence Spectroscopy", Journal of the Physical Society of Japan, Vol. 57, No. 3 (1988) pp. 909-917 (D. Okano, K. Uchino, A. Shimizu, K. Muraoka, M. Maeda, M. Akazaki, S. Sudo, O. Motojima, A. Iiyoshi, K. Uo, "Neutral Hydrogen Studies in Heliotron-E Using Balmer-Alpha Laser Fluorescence Spectroscopy", Journal of the Physical Society of Japan, Vol. 57, No. 3 (1988) pp.909-917

K. Nagasaki, K. Itoh, M. Wakatani, A. Iiyoshi, "Vacuum Magnetic Surface of $\ell=2$ Helical Systems", Journal of the Physical Society of Japan, Vol. 57, No. 6 (1988) pp.2000-2009

K. Kondo, K. Okazaki, T. Oda, N. Noda, K. Akaishi, H. Kaneko, T. Mizuuchi, F. Sano, O. Motojima, A. Iiyoshi, "Spectroscopic Studies on Carbon Coating in Heliotron E", Japanese Journal of Applied Physics, Vol. 27, No. 12, (1988) pp. 2368-2372

K. Kondo, T. Oda, H. Okada, H. Zushi, H. Kaneko, T. Mizuuchi, Y. Takeiri, N. Noda, K. Akaishi, T. Mutoh, F. Sano, S. Sudo, M. Sato, S. Morimoto, O. Motojima, A. Iiyoshi, K. Uo, "Spectrum Identification of Heliotron E Plasma Impurities by a Time-Resolving Grazing Incidence Spectrometer with a Multichannel Detector", Japanese Journal of Applied Physics, Vol. 27, No. 7 (1988) pp.1287-1290

K. Yamazaki, O. Motojima, S. Morimoto, K. Nishimura, T. Mizuuchi, H. Kaneko, K. Matsuoka, T. Hino, M. Takeo, O. Tsukamoto, K. Noto, T. Mutoh, Y. Takeiri, S. Kitagawa, T. Kuroda, N. Ohayabu, I. Ohtake, M. Fujiwara, A. Iiyoshi and Large helical design team, "Comparative Design Study of Spuer-vs. Normal-conducting Large Helical System", Proc. of 15th Symposium on Fusion Technology, (Utrecht, 1988)

K. Kondo, H. Zushi, S. Nishimura, H. Kaneko, M. Sato, S. Sudo, F. Sano, T. Mutoh, O. Motojima, T. Obiki, A. Iiyoshi and K.Uo, "Visible and VUV spectroscopic diagnostics on Heliotron E", Review of Scientific Instruments, Vol. 59, No. 8 (1988) pp.1533-1535

K. Kondo, K. Okazaki, H. Oyama, T. Oda, Y. Sakamoto, A. Iiyoshi, "Electron Temperature Measurement Using Intensity Ratio of H₂ Fulcher a (d3 u-a3 Σ g) to H_a Emission in a Weakly Ionized Plasma", Japanese Journal of Applied Physics, Vol. 27, No. 8, (1988)

pp.1560-1561

K. Yamazaki, O. Motojima, S. Morimoto K. Nishimura, T. Mizuuchi, H. Kaneko, K. Matsuoka, T. Hino, M. Takeo, O. Tsuokamoto, K. Noto, T. Mutoh, Y. Takeiri, S. Kitagawa, T. Kuroda, N. Ohyabu, I. Otake, M. Fujiwara, A. Iiyoshi and Large Helical Design Team, "Comparative Design Study of Super- vs. Normal-Conducting Large Helical System", Fusion Technology (1988) pp. 407-411

N. Nishino, K. Kondo, H. Zushi, H. Kaneko, T. Mizuuchi, S. Besshou, M. Sato, T. Mutoh, F. Sano, S. Sudo, O. Motojima, T. Obiki, A. Iiyoshi, K. Uo, "The Sources of Fe Impurity in Heliotron E Plasma during NBI", Japanese Journal of Applied Physics. Part 1, Regular Papers, Short Notes and Review Papers, 27(6), (1988) pp.1017-1021

M. Ohnishi, M. Okamoto, Y. Abe, A. Fukuyama, T. Mutoh, A. Iiyoshi, "MONTE CARLO STUDY OF ION CYCLOTRON RESONANCE HEATING IN HELICAL SYSTEMS", Research Report, National Institute for Fusion Science, Vol.884, (1988)

O. Motojima, K. Yamazaki, T. Mutoh, Y. Takeiri, T. Kuroda, S. Kitagawa, N. Ohyabu, I. Otake, M. Takeo, S. Sudo, S. Morimoto, K. Matsuoka, M. Fujiwara, A. Iiyoshi and Large helical design team, "Engineering Design Study of the Large Superconducting Helical Device", Proc. of 15th Symposium on Fusion Technology, (Utrecht, 1988)

O. Motojima, T. Mutoh, M. Sato, H. Zushi, H. Okada, N. Noda, H. Kaneko, T. Mizuuchi, K. Kondo, S. Sudo, Y. Takeiri, F. Sano, K. Itoh, S. Morimoto, K. Hanatani, K. Akaishi, T. Obiki, A. Iiyoshi, "High Power ECRH and ICRF Heating Experiments in the Heliotron E and DR Devices", Proc. of 12th Int. Conf. on Plasma Physics and Controlled Nuclear Fusion Research (Nice, 1988), CN-50/C-1-4

T. Mizuuchi, T. Obiki, N. Noda, H. Matsuura, H. Minagawa, S. Kato, H. Oyama, H. Toyoda, K. Kondo, K. Akaishi, K. Okazaki, H. Amemiya, S. Amemiya, O. Motojima, T. Hino, T. Yamashina, Y. Sakamoto, H. Sugai, H. Kaneko, H. Zushi, Y. Takeiri, D.L. Hillies, M. Sato, F. Sano, T. Mutoh, M. Nakasuga, M. Harada, H. Okada, S. Sudo, I. Otake, Y. Ijiri, M. Iima, T. Senju, K. Kawabata, K. Yaguchi, T. Baba, S. Kobayashi, S. Morimoto, A. Iiyoshi, "Study on Edge Plasma Physics and particle Control in the Heliotron E Device", Proc. of 8th Int. Conf. on Plasma Surface Interactions in Controlled Fusion Devices (Julich, 1988)

T. Obiki, M. Wakatani, A. Iiyoshi, K. Muraoka, A. Komori, K. Matsuno, T. Kajiwara, O. Motojima, H. Zushi, K. Kondo, H. Kaneko, S. Sudo, M. Sato, F. Sano, T. Mutoh, S. Morimoto, K. Akaishi, M. Nakasuga, K. Hanatani, T. Mizuuchi, H. Okada, Y. Takeiri, N. Noda, Y. Nakamura, K. Otake, M. Harada, N. Nishimura, H. Matsuura, "Recent Experiments on Heliotron E", Proc. of 12th Int. Conf. on Plasma Physics and Controlled Nuclear Fusion Research (Nice, 1988), CN-50/C-1-1

S. Morimoto, N. Yanagi, M. Nakasuga, T. Obiki, A. Iiyoshi, K.Uo., "Measurement of Pfirsch-schluter Current and Pressure Profile for the High Power ECRH and ICRF Heating Experiments in the Heliotron-E and DR Devices", Proc. of 12th Int. Conf. on plasma Physics and Controlled Nuclear Fusion Research (Nice 1988) CN-50/E-1-4.

S. Morimoto, N. Yanagi, M. Nakasuga, T. Obiki, A. Iiyoshi, K. Uo, "Measurements of Pfirsch-schluter Current and Pressure Profile for the High Density ECH Plasmas in Heliotron DR", Nuclear Fusion, Vol. 28, No. 9, (1988) pp. 1491-1497

1989 年

K. Matsuo, Y. Homan, K. Muraoka, M. Akazaki, S. Sudo, A. Iiyoshi, "Application of Fraunhofer-Diffraction Method for Measurements of Electron Density Fluctuations in Heliotron E", Journal of the Physical Society of Japan 58(9), (1989), pp.3042-3045

N. Noda, T. Mizuuchi, K. Akaishi, T. Senju, K. Kondo, H. Kaneko, O. Motojima, T. Baba, S. Besshou, M. Sato, M. Iima, S. Kobayashi, F. Sano, Y. Takeiri, T. Kawabata, T. Mutoh, H. Okada, S. Sudo, H. Zushi, K. Yaguchi, Y. Ijiri, I. Ohtake, M. Harada, H. Matsuura, S. Morimoto, T. Ohbiki, A. Iiyoshi, K. Uo, "Effects of Carbon Wall on the Behavior of Heliotron-E Plasmas", Journal of Nuclear materials 162-164 (1989) pp769-775

M. Fujitsuka, T. Shikama, N. Noda, H. Shinno, T. Tanabe, T. Mutoh and A. Iiyoshi, "High Heat Flux Damage of the Guard Limiter in Heliotron E", Journal of Nuclear materials 162-164 (1989) pp.976-981

H. Kaneko, T. Tohda, K. Kondo, H. Zushi, and A. Iiyoshi, "Statistical method for efficient determination of electron temperature from pulse height analysis of soft x rays in Heliotron E", Review of Scientific Instruments, Vol. 60, No. 9, (1989), pp. 2838-2846

H. Kanako, T. Tohda, and A. Iiyoshi, "Observation of soft x-ray radiation from Heliotron E plasmas by the absorption method for measurement of electron temperatures", Review of Scientific Instruments, Vol. 60, No. 9, (1989), pp. 2847-2856

S. Morimoto, N. Yanagi, M. Sato, S. Kobayashi, M. Iima, S. Besshou, H. Nakamura, M. Nakasuga, K. Hanatani, A. Iiyoshi, "Second Harmonic Electron Cyclotron Heating in Low Density and Overdense Plasmas in Heliotron DR", Nuclear Fusion, Vol. 29, No. 10, (1989), pp. 1697-1707

S. Morimoto, N. Yanagi, K. Ichiguchi, Y. Nakamura, M. Wakatani, M. Sato, T. Obiki, and A. Iiyoshi, "Improvement of Magnetohydrodynamic Stability and Beta Limit by Toroidal Plasma Current in Heliotron DR", Japanese Journal of Applied Physics, Vol. 28, No. 8, (1989), pp. L 1470-L1472

S. Kato, N. Noda, H. Oyama, K. Akaishi, T. Senju, K. Kaneko, O. Motojima, Y. Sakamoto and A. Iiyoshi, "Gas Analysis During Carbonization and Hydrogen Recycling Control by Helium Discharges in Heliotron-E" Journal of Nuclear materials 162-164 (1989) pp.763-768

A. Iiyoshi, "Present Status of The Large Helical Device Project", Proc. of the IEEE 13th Symposium on Fusion Engineering 1989, (Knoxville, TN), pp.1007-1018

R. Takahashi, O. Motojima, T. Obiki, M. Nakasuga, T. Mizuuchi, A. Iiyoshi, "An Experimental Study of the Vacuum Magnetic Surfaces of Heliotron E", Japanese Journal of Applied Physics 28(Part 1, No. 12), (1989) pp. 2604-2609

1990 年

A. Iiyoshi, M. Fujiwara, O. Motojima, N. Ohyabu and K. Yamazaki, "Design Study for the Large Helical Device", Fusion Technology., Vol.17(1990) pp. 169-187

S. Sudo, Y. Takeiri, H. Zushi, F. Sano, K. Itoh, K. Kondo, A. Iiyoshi, "Scalings of Energy

Confinement and Density Limit in Stellarator / Heliotron Devices", Nuclear Fusion, Vol. 30, No. 1, (1990) pp. 11-21

Y. Takeiri, F. Sano, M. Sato, T. Mutoh, H. Okada, S. Sudo, H. Zushi, K. Kondo, H. Kaneko, T. Mizuuchi, N. Noda, K. Akaishi, K. Hanatani, M. Nkasuga, O. Motojima, T. Obiki, A. Iiyoshi, M. Murakami and H. C. Howe, "Confinement Scaling Studies of Radiofrequency and Neutral Beam Heated Currentless Heliotron E Plasmas", Nuclear fusion, Vol. 30, No. 12, (1990) pp. 2521-2531

O. Motojima, K. Akaishi, M. Asano, K. Fujii, J. Fujita, T. Hino, Y. Hamada, H. Kaneko, S. Kitagawa, Y. Kubota, T. Kuroda, T. Mito, S. Morimoto, N. Noda, Y. Ogawa, I. Ohtake, N. Ohyabu, A. Sagara, T. Satow, K. Takahata, M. Takeo, S. Tanahashi, T. Tsuzuki, S. Yamada, J. Yamamoto, K. Yamazaki, N. Yanagi, H. Yonezu, M. Fujiwara, A. Iiyoshi and LHD Design Group, "Engineering Design Study of Superconducting Large Helical Device", Proc. of the 13th International Conference on Plasma Physics and Controlled Nuclear Fusion Research 1990, (Washington), Vol. 2, pp. 513-523, IAEA-CN-53/G- 5

1991 年

K. Yamazaki, N. Ohyabu, M. Okamoto, T. Amano, J. Todoroki, Y. Ogawa, N. Nakajima, H. Akao, M. Asao, J. Fujita, Y. Yamada, T. Hayashi, T. Kamimura, H. Kaneko, T. Kuroda, S. Morimoto, N. Noda, T. Obiki, H. Sanuki, T. Sato, T. Satow, M. Wakatani, T. Watanabe, J. Yamamoto, O. Motojima, M. Fujiwara, A. Iiyoshi and LHD Design Group, "Physics Studies on Helical Confinement Configurations with 1=2 Continuous Coil Systems", Proc. of the 13th International Conference on Plasma Physics and Controlled Nuclear Fusion Research 1990, (Washington), Vol. 2, pp. 709-716, IAEA-CN-53/C-11 (1991)

S. Morimoto, O. Motojima, J. Yamamoto, N. Ohyabu, K. Yamazaki, K. Akaishi, N. Noda, S. Tanahashi, S. Kitagawa, T. Mito, T. Satow, Y. Ogawa, H. Kaneko, K. Nishimura, K. Takahata, N. Yanagi, A. Sagara, Y. Kubota, T. Tsuzuki, I. Ohtake, S. Yamada, H. Yonezu, M. Asao, K. Fujii, M. Fujiwara and A. Iiyoshi, "Design Study of the Superconducting Large Helical Device", Fusion Technology, Vol. 1, (1991), pp.567-571

1992 年

N. Ohyabu, K. Yamazaki, I. Katanuma, Hantao JI, T. Watanabe, K. Watanabe, H. Akao, K. Akaishi, T. Ono, H. Kaneko, T. Kawamura, Y. Kubota, N. Noda, A. Sagara, O. Motojima, M. Fujiwara, A. Iiyoshi,"Design Study of LHD Helical Divertor and High Temperature Divertor Plasma Operation", Proc. of the 14th International Conference on Plasma Physics and Controlled Nuclear Fusion Research 1992, (Wurzburg) Vol. 2, pp. 605-610, IAEA-CN-56/C-4-2 (1992)

1993 年

H. Momota, O. Motojima, M. Okamoto, S. Sudo, Y. Tomita, S. Yamaguchi, A. Iiyoshi, M. Onozuka, M. Ohnishi, C. Uenosono. "Characteristics of D-3He Fueled FRC Reactor: ARTEMIS-L" Proc. of the 7th International Conference on Emerging Nuclear Energy Systems, 1993, (Makuhari), pp. 16-20 (1993)

A. Iiyoshi, H. Momota, O. Motojima, M. Okamoto, S. Sudo, Y. Tomita, S. Yamaguchi, M. Ohnishi, M. Onozuka, C. Uenosono. "Innovative Energy Production in Fusion Reactors", Proc. of the 7th International Conference on Emerging Nuclear Energy Systems 1993 (Makuhari), pp. 495-501 (1993)

S. Yamaguchi, A. Iiyoshi, O. Motojima, M. Okamoto, S. Sudo, M. Ohnishi, M. Onosuka, C. Uenosono, "Direct Energy Conversion of Radiation Energy in Fusion Reactor", Proc. of the 7th International Conference on Emerging Nuclear Energy Systems, 1993 (Makuhari), pp.502-506

S. Sudo, Y. Tomita, S. Yamaguchi, A. Iiyoshi, H. Momota, M. Motojima, M. Okamoto, M. Ohnishi, M. Onozuka, C. Uenosono, "Hydrogen Production in Fusion Reactors", Proc. of the 7th International Conference on Emerging Nuclear Energy Systems, 1993, (Makuhari), pp. 507-512

1994年

N. Ohyabu, T. Watanabe, H. Ji, H. Akao, T. Ono, T. Kawamura, K. Yamazaki, K. Akaishi, N. Inoue, A. Komori, Y. Kubota, N. Noda, A. Sagara, H. Suzuki, O. Motojima, M. Fujiwara, A. Iiyoshi, "The Large Helical Device (LHD) Helical Divertor", Nuclear Fusion, Vol. 34, No. 3, (1994), pp. 387-399

A. Iiyoshi, K. Yamazaki, and the LHD Group, "Recent studies of the Large Helical Device", Proc. of the International Conference on Plasma Physics ICPP (1994), No. 345, pp. 206-213

S. Yamaguchi, A. Sagara, A. Komori, T. Tazima, O. Motojima, A. Iiyoshi, K. Matsubara, M. Onozuka, K. Koganezawa, T. Matsuda, "Thermoelectric Conversion at the Divertor Plates and the First Wall of a Fusion Reactor", Fusion Technology (1994), Vol. 1, pp. 267-270

S. Okamura, K. Matsuoka, K. Nishimura, K. Tsumori, R. Akiyama, S. Sakakibara, H. Yamada, S. Morita, T. Morisaki, N. Nakajima, K. Tanaka, J. Xu, K. Ida, H. Iguchi, A. Lazaros, T. Ozaki, H. Arimoto, A. Ejiri, M. Fujiwara, H. Idei, A. Iiyoshi, O. Kaneko, K. Kawahata, T. Kawamoto, A. Komori, S. Kubo, T. Kur0da, O. Motojima, V.D. Pustovitov, A. Sagara, C. Takahashi, K. Toi, I. Yamada, "High Beta Experiments in CHS", Proc. of the 15th International Conference on Plasma Physics and Controlled Nuclear Fusion Research 1994, (Seville), Vol. 1, pp. 381-388, IAEA-CN-60/A2-20 (1994)

J. Yamamoto, O. Motojima, T. Mito, K. Takahata, N. Yanagi, S. Yamada, H Chikaraishi, S. Imagawa, A. Iwamoto, H. Kaneko, A. Nishimura, S. Satoh, T. Satow, H. Tamura, S. Yamaguchi, K. Yamazaki, M. Fujiwara, A. Iiyoshi, LHD GROUP, " New Evaluation Method of Superconductor Characteristics for Realizing The Large Helical Device", Proc. of the 15th International Conference on Plasma Physics and Controlled Nuclear Fusion Research 1994, (Seville), Vol. 2, pp. 765-772, IAEA-CN-60/F-P3 (1994)

A. Komori, N. Ohyabu, T. Watanabe, H. Suzuki, A. Sagara, N. Noda, K. Akaishi, N. Inoue, Y. Kubota, O. Motojima, M. Fujiwara, A. Iiyoshi, "Local Island Divertor Concept for LHD", Proc. of the 15th International Conference on Plasma Physics and Controlled Nuclear Fusion Research 1994, (Seville) Vol. 2, pp. 773-778, IAEA-CN-60/F-P4 (1994)

1995年

A. Iiyoshi, K. Yamazaki, "The next large helical devices", Physics of Plasmas Vol. 2 No. 6, Pt. 2, June (1995) pp.2349-2356

N. Ohyabu, A. Komori, K. Akaishi, N. Inoue, Y. Kubota, A.I. Livshits, N. Noda, A. Sagara, H. Suzuki, T. Watanabe, O. Motojima, M. Fujiwara, A. Iiyoshi, "Innovative divertor

concept for LHD", Journal of Nuclear Materials, 220-222 (1995) pp. 298-301

1996 年

A. Iiyoshi, " NIFS Research Activities and Other Japanese Fusion Research Programs", Journal of Fusion Energy, Vol. 15 Nos.1/2, (1996) pp. 1-6

M. Fujiwara and A. Iiyoshi, "Large Helical Device (LHD) Program", Journal of Fusion Energy, Vol. 15 Nos.1/2, (1996) pp.7-154

O. Motojima, N. Ohyabu, A. Komori, N. Noda, K. Yamazaki, H. Yamada, A. Sagara, Y. Kubota, H. Suzuki, N. Inoue, T. Morisaki, S. Masuzaki, R. Sakamoto, K. Matsuoka, M. Fujiwara and A. Iiyoshi, "Divertor experiment in large helical device", Plasma Phys. Control. Fusion 38 (1996), A77-A92

A. Iiyoshi, "Overview of Helical Systems", Proc. of the 16th International Conference on Fusion Energy, 1996 (Montreal) Vol. 1, pp.113-125, IAEA-CN-64/01-7 (1996)

A. Komori, N. Ohyabu, S. Masuzaki, T. Morisaki, H. Suzuki, C. Takahashi, S. Sakakibara, K. Watanabe, T. Watanabe, T. Minami, S. Morita, K. Tanaka, S. Ohdachi, S. Kubo, N. Inoue, H. Yamada, K. Nishimura, S. Okamura, K. Matsuoka, O. Motojima, M. Fujiwara, A. Iiyoshi, "Edge Plasma Control by a Local Island Divertor in the Compact Helical System", Proc. of the 16th International Conference on Fusion Energy, 1996 (Montreal), Vol. 2, pp.3-12, IAEA-CN-64/C1-2 (1996)

O. Motojima, N. Yanagi, S. Imagawa, K. Takahata, S. Yamada, A. Iwamoto, H. Chikaraishi, S. Kitagawa, R. Maekawa, S. Masuzaki, T. Mito, T. Morisaki, A. Nishimura, S. Sakakibara, S. Satoh, T. Satow, H. Tamura, S. Tanahashi, K. Watanabe, S. Yamaguchi, J. Yamamoto, M. Fujiwara, and A. Iiyoshi, "Superconducting Magnet Design and Construction of Large Helical Device", Proc. of the 16th International Conference on Fusion Energy, 1996 (Montreal), Vol. 3, pp.467-478, IAEA-CN-64/G2-4 (1996)

1997 年

M. Fujiwara, O. Motojima, Y. Hamada, T. Watari, M. Okamoto, J. Yamamoto, T. Kuroda, the LHD Group and A. Iiyoshi, "Progress in the LHD (Large Helical Device) program Plasma Phys. Control. Fusion 39 (1997) A261-A274

K. Yamazaki, M. Fujiwara, O. Motojima, Y. Hamada, T. Watari, M. Okamoto, S. Satou, LHD Group and A. Iiyoshi, "The Large Helical Device Approaching A First Plasma Operation", Proc. 1997 International Symposium on Plasma Dynamics in Complex Electromagnetic Fields (Kyoto)

1998 年

A. Iiyoshi, "Perspective for Fusion Nuclear Technology of Universities in Japan" Fusion Engineering and Design 42 (1998) pp.201-206

A. Iiyoshi, "Physics of Helical Confinement Systems", Journal of Plasma Fusion Research Series, Vol. 1(1998) pp.9-16

A. Iiyoshi, "Fusion R&D Strategy for Japan", Journal of Nuclear Materials 258-263 (1998), pp.1-6

A. Iiyoshi, K. Nishimura, LHD Group, "Engineering Innovations and Initial Plasma Experiments in the Large Helical Device Project", Chinese Physics Letters, Fragrant Hill, Beijing, China 2125 Sept. (1998)

A. Komori, N. Ohyabu, T. Watanabe, H. Suzuki, T. Morisaki, S. Masuzaki, H. Funaba, H. Yonezu, H. Hayashi, O. Motojima and A. Iiyoshi, "LID Design for LHD", Journal of Plasma Fusion Research Series, Vol. 1(1998), pp.398-401

A. Komori, .N. Ohyabu, A.C.England, D.E. Greenwood, N. Inoue, C.C. Klepper, S. Kubo, D.K. Lee, J.F. Lyon, S. Masuzaki, T. MInami, T. Morisaki, S. Morita, K. Nishimura, S. Ohdachi, S. Okamura, D.R. Overbey, J.A. Rome, S. Sakakibara, D.E. Schechter, H. Suzuki, C. Takahashi, K. Tanaka, K. Waranabe, T. Watanabe, C.T. Wilson, H. Yamada, A. Yonezu, K. Matsuoka, O. Motojima, M. Fujiwara.,A. Iiyoshi, "Local island divertor for the new edge control scenario", Fusion Engineering and Design 42 (1998) pp.241-246

M. Fujiwara, O. Motojima, Y. Hamada, T. Watari, M. Okamoto, S. Satoh, K. Yamazaki, S. Sudo, N. Noda, N. N. Ohyabu, H. Yamada, A. Komori, T. Mito, S. Kubo, K. Toi, K. Ichiguchi, K. Kawahata, S. Imagawa, the LHD Group and A. Iiyoshi, "Overview of LHD (Large Helical Device) Project", Journal of Plasma Fusion Research Series, Vol. 1(1998) pp.57-61

S. Sudo, O. Kaneko, N. Nakajima, K. Ida, K. Watanabe, K. Yamazaki, K. Itoh, N. Noda, H. Yamada, T. Mutoh, S. Murakami, K. Ichiguchi, S. Kubo, O. Motojima, T. Watari, Y. Hamada, S. Satoh, M. Okamoto, M. Fujiwara, A. Iiyoshi and the LHD Group, "Research Plan for Studying Confinement in the LHD Plasma", Journal of Plasma Fusion Research Series, Vol. 1(1998) pp.126-129

N. Nobuyuki, A. Sagara, H. Sugama, K. Ichiguchi, Y. Nakamura, T. Mutoh, K. Kawahata, H. Yamada, S. Yamaguchi, N. Ohyabu, A. Komori, N. Yanagi, M. Sato, T. Shimozuma, Y Takeiri, Y. Oka, R. Sakamoto, N. Inoue, S. Masuzaki, S. Inagaki, O. Motojima, T. Watari, Y. Hamada, S. satoh, M. Okamoto, M. Fujiwara, A. Iiyoshi and the LHD Group, "Research Plan for Long-Pulse/Steady-State Experiments in LHD", Journal of Plasma Fusion Research Series, Vol. 1(1998), pp.130-134

N. Ohyabu, A. Komori, H. Suzuki, T. Morisaki, S. Masuzaki, H. Funaba, N. Noda, Y. Nakamura, A. Sagara, N. Inoue, T. Watanabe, O. Motojima, M. Fujiwara and A. Iiyoshi, "LHD Divertor Experimental Scenario", Journal of Plasma Fusion Research Series, Vol. 1(1998), pp.135-138

T. Watari A. Iiyoshi, "Steady State Heating Technology Development for the LHD", Fusion Energy, Vol.4 (1998), pp.1293-1296 (17th IAEA, Yokohama, 19-24 Oct.1998)

1999 年

A. Iiyoshi, et al., "Overview of the Large Helical Device Project", Nuclear Fusion, Vol. 39, 9Y, (1999), pp.1245-1256

A. Iiyoshi, S Imagawa, LHD group, "Design, construction and the first plasma experiments in the Large Helical Device", Fusion Engineering and Design, Vol.46, Issues2-4 (November 1999) pp.323-335

M. Fujiwara, A.Iiyoshi et al, "Plasma Confinement studies in LHD", Nuclear Fusion Vol.39 (November 1999) pp.1659-1666

2000 年

T. Muroga, T. Nagasaka, A. Iiyoshi, A. Kawabata, S. Sakurai, M. Sakata, "NIFS program for large ingot production of a V-Cr-Ti alloy", Journal of Nuclear Materials 283-287, Part1 (December 2000) pp.711-715

2008 年

S. Yamaguchi, M. Hamabe, I. Yamamoto, T. Famakinwa, A. Sasaki, A. Iiyoshi, J. Schultz, J. Minervini, T. Hoshino, Y. Ishiguro, K. Kawamura, "Research activities of DC superconducting power transmission line in Chubu University", Journal of Physics, 97(1), (2008)

2011 年

S. Yamaguchi, T. Fujii, M. Sugino, M. Hamabe, H. Watanabe, T. Kawahara, A. Iiyoshi, "Iron-Steel Cryogenic Pipe for DC Superconducting Power Transmission Line", IEEE Transactions on Applied Superconductivity, 21(3), (2011), pp.1046-1049

S. Yamaguchi, T. Kawahara, M. Hamabe, H. Watanabe, Y. Ivanov, J. Sun, A. Iiyoshi, "Experiment of 200-meter superconducting DC cable system in Chubu University", Physica C, 471(21-22), (2011), pp.1300-1303

2012 年

S. Yamaguchi, Y. Ivanov, J. Sun, H. Watanabe, M. Hamabe, T. Kawahara, A. Iiyoshi, "The experiments of 200-meter superconducting DC power cable in Chubu University and the estimation for longer cable cooling", AIP Advances in Cryogenic Engineering, 1434, (2012), pp. 1959-1965

J. Sun, H. Watanabe, M. Hamabe, T. Kawahara, A. Iiyoshi, S. Yamaguchi, "A new layout of HTS tapes and their critical currents for DC power cables", Physics Procedia, vol.27, (2012), pp.372-375

S. Yamaguchi, M. Emoto, T. Kawahara, M. Hamabe, H. Watanabe, Y. Ivanov, J. Sun, N. Yamamoto, A. Iiyoshi, "A Proposal of Multi-stage current lead for reduction of heat leak", Physics Procedia, vol.27, (2012), pp. 448-451

S. Yamaguchi, Y. Ivanov, J. Sun, H. Watanabe, M. Hamabe, T. Kawahara, A. Iiyoshi, M. Sugino, H. Yamada, "Experiment of the 200-meter superconducting DC transmission power cable in Chubu University", Physics Procedia, vol.36, (2012), pp.1131-1136

J. Sun, H. Watanabe, M. Hamabe, T. Kawahara, A. Iiyoshi, S. Yamaguchi, "Critical current measurements of a tape in the hybrid multi-stacking high Tc superconducting tapes", Journal of Physics, 400(2), (2012)

2017 年

A. Iiyoshi, "Fusion for sustainable world development", National Institute for Fusion Science, NIFS-PROC-104, (2017), pp.1-11

2021 年

N. Yamamoto, M. Sato, H. Takano, A. Iiyoshi, "Transmutation of LLFP by Irradiation of Neutrons on Muon Catalyzed Fusion (MCF) Reactor", Plasma and Fusion Research 16(0), (2021) pp.1405074/1-1405074/6

②解説・特別寄稿等

2004年

A. Iiyoshi, "Reminiscences of Prof. Masahiro Wakatani", Journal of plasma and fusion research series (6), (2004) pp.97-99