

プラズマ・核融合学会論文分類表

論文の主題を示す分類項目を選び、下の欄に記入してください。また、本論文内容が実験が主である場合には、理論シミュレーション含むが主である場合には、実験と理論が同程度の場合には、Tと末尾に付記してください。

記入例：主分類:1-C-ET、従分類:1-E-ET

1. General Plasma Physics

- A. Breakdown/Discharge Physics
- B. Cross Sections and Elementary Processes
- C. Waves, Instabilities and Nonlinear Phenomena
- D. Self-organization
- E. Non-neutral Plasmas
- F. Relativistic Plasmas
- G. Electron-Positron Plasmas
- H. Dusty or Complex Plasmas
- I. Geophysical and Astrophysical Plasmas
- J. Solitons, Vortex and Chaos
- K. Turbulence and Transport
- L. Magnetic Reconnection
- M. Radiation Sources
- N. Plasma Material Interaction
- O. Diagnostics
- P. Magnetohydrodynamics
- Q. New Trends
- R. Others ()

2. Magnetic Confinement

- A. Equilibrium and Stability
- B. Transport
- C. Energetic Particles
- D. Magnetic Reconnection
- E. Plasma Control or Operation
- F. Divertor, SOL and First Walls
- G. Plasma Wall Interaction
- H. Magnetic Field Configuration (Topology)
- I. New or Innovative Concepts
- J. Diagnostics
- K. Others ()

3. Laser and Particle Beams, Inertial Confinement

- A. Driver System (Laser, Ion Beams)
- B. High Intensity Laser Plasma Physics
- C. Laser Plasma Interaction
- D. Beam Plasma Interaction
- E. Properties of Radiation in Hot Dense Matter

- F. Hydrodynamics and Implosion
- G. Intense Particle Beams and Radiation Sources
- H. Diagnostics
- I. Others ()

4. Fusion Engineering

- A. First Walls and Conditioning
- B. Blankets
- C. Divertors and Plasma Facing Components
- D. Tritium Recovery/Cycle and Fueling
- E. Structure Materials
- F. Ceramics and Special purpose Materials
- G. Shielding, Neutronics, and Nuclear Data
- H. New Concept and Reactor Design
- I. Safety and Environment
- J. Remote Handling
- K. Computer Control and Data Acquisition
- L. Magnets and Superconductor
- M. Power Source
- N. Target Design and Fabrication
- O. Others ()

5. Plasma Application

- A. Production and Control of Reactive Plasmas
- B. Diagnostics of Reactive Plasmas
- C. Plasma Surface Interaction
- D. Material Processing and New Materials
- E. Lightning Plasmas, Laser and Flat Panels
- F. Thermal Plasmas
- G. Environmental Application of Plasmas
- H. Plasma Nano-Technology and Dusty Plasmas
- I. Atmospheric Pressure Nonthermal Plasmas
- J. Biological Applications of Plasmas
- K. Plasma Chemistry
- L. Plasma Propulsion
- M. Innovative Plasma Applications
- N. Others ()