List of Publications by Naoki Itoh

Original Papers Published in Refereed Journals

[1] "Hydrostatic Instability in Very High Temperature Stars"
N. Itoh:
Progress of Theoretical Physics **41**, 1211-1216 (1969).

[2] "Superconducting State of Neutron Stars"
N. Itoh:
Progress of Theoretical Physics **42**, 1478-1479 (1969).

[3] "Hydrostatic Equilibrium of Hypothetical Quark Stars"
N. Itoh:
Progress of Theoretical Physics **44**, 291-292 (1970).

[4] "Neutrino Energy Loss in Neutron Star Matter"
N. Itoh and T. Tsuneto:
Progress of Theoretical Physics **48**, 1849-1859 (1972).

[5] "Effective Mass of ^{3}He in Liquid ^{4}He"
V.R. Pandharipande and N. Itoh:
Physical Review **A 8**, 2564-2566 (1973).

[6] "Lifetime Effect on the Superfluidity in Neutron Stars"
N. Itoh and M.A. Alpar:
Journal of Physics **A 7**, 1970-1976 (1974).

[7] "Positively Charged Isospin Wave Softening and Proton Lattice in Neutron Stars"
P.W. Anderson, N. Itoh, M.A. Alpar, E. Tosatti and R.G. Palmer:
Nuovo Cimento Letters **12**, 165-170 (1975).

[8] "Pulsar Glitches and Restlessness as a Hard Superfluidity Phonomenon"
P.W. Anderson and N. Itoh:
Nature **256**, 25-27 (1975).

[9] "Electrical Conductivity and Emissivity of the Pulsar Surface"
N. Itoh:
Monthly Notices of Royal Astronomical Society **173**, Short Communication 1-3 (1975).

[10] "Ion-Ion Correlation Effect on Freedman's Neutrino Opacity"
N. Itoh:
Progress of Theoretical Physics **54**, 1580-1581 (1975).

[11] "Transport Properties of Dense Matter"
E. Flowers and N. Itoh:
Astrophysical Journal **206**, 218-242 (1976).

[12] "A Statistical Theory of Nuclear Neutrino Capture"
N. Itoh, Y. Kohyama and A. Fujii:
Nuclear Physics **A 287**, 501-505 (1977).

[13] "Lattice Model for the Screening Potential of the Classical One-Component Plasma"
N. Itoh and S. Ichimaru:
Physical Review **A 16**, 2178-2180 (1977).

[14] "Enhancement of Thermonuclear Reaction Rate Due to Strong Screening"
N. Itoh, H. Totsuji and S. Ichimaru:
Astrophysical Journal **218**, 477-483 (1977).

[15] "Lattice Model for the Two-Dimensional Electron Liquid"
N. Itoh, S. Ichimaru and S. Nagano:
Physical Review **B 17**, 2862-2865 (1978).

[16] "Statistical Theory of Nuclear Neutrino Capture Ⅱ. Inclusion of First-Forbidden Transitions"
N. Itoh and Y. Kohyama:
Nuclear Physics **A 306**, 527-535 (1978).

[17] "Transport Properties of Dense Matter. Ⅱ."
E. Flowers and N. Itoh:
Astrophysical Journal **230**, 847-858 (1979).

[18] "Addendum to "Lattice Model for the Screening Potential of the Classical One-Component Plasma""
N. Itoh and S. Ichimaru:
Physical Review **A 19**, 2476-2478 (1979).

[19] "Lifetime of Surface-State Electrons on Liquid Helium: Relation with the Chemical Potential of the Electron Liquid"
S. Nagano, S. Ichimaru, H. Totsuji and N. Itoh:
Physical Review **B 19**, 2449-2456 (1979).

[20] "Enhancement of Thermonuclear Reaction Rate Due to Strong Screening. Ⅱ. Ionic Mixtures"
N. Itoh, H. Totsuji, S. Ichimaru and H.E. DeWitt:
Astrophysical Journal **234**, 1079-1084 (1979).

[21] "Correlational Properties of Two-Dimensional Electron Systems in the Surface State on Liquid Helium"
S. Nagano, S. Ichimaru and N. Itoh:
Surface Science **98**, 22-29 (1980).

[22] "Harmonic-Lattice Model for the Internal Energy of the Classical One-Component Plasma Fluid near the Crystallization Point"
N. Itoh and S. Ichimaru:
Physical Review **A 22**, 1318-1320 (1980).

[23] "Harmonic Lattice Model for the Internal Energy of the Classical Two-Dimensional One-Component Plasma Fluid"
N. Itoh and S. Ichimaru:
Physical Review **B 22**,1459-1460 (1980).

[24] "Statistical Theory for ^{8}B Solar Neutrino Captures by Newly Proposed Targets"
N. Itoh and Y. Kohyama:
Astrophysical Journal **246**, 989-993 (1981).

[25] "Transport Properties of Dense Matter. III. Analytic Formulae for Thermal Conductivity"
E. Flowers and N. Itoh:
Astrophysical Journal **250**, 750-752 (1981).

[26] "Physics of Dense Plasmas and the Enhancement of Thermonuclear Reaction Rates Due to Strong Screening"
N. Itoh:
Progress of Theoretical Physics Supplement **70**, 132-141 (1981).

[27] "Statistical Calculation of the ^{8}B Solar Neutrino Capture Cross Sections for ^{97}Mo and ^{98}Mo"
N. Itoh and Y. Kohyama:
Progress of Theoretical Physics **68**, 677-679 (1982).

[28] "Plasmon Linewidth and Frequency Shift in Dense Matter"
N. Itoh, Y.Kohyama, S. Ichimaru and M. Hasegawa:
Physical Review Letters **49**, 1932-1935 (1982).

[29] "Prediction of Pulsar Glitch Frequency Based on the Hard Superfluid Model"
N. Itoh:
Progress of Theoretical Physics **69**, 338-340 (1983).

[30] "Amorphous Glassy Plasma in Dense Stellar Matter"
S. Ichimaru, H. Iyetomi, S. Mitaka and N. Itoh:
Astrophysical Journal **265**, L83-L86 (1983).

[31] "Electrical and Thermal Conductivities of Dense Matter in the Liquid Metal Phase. I. High-Temperature Results"
N. Itoh, S. Mitake, H. Iyetomi and S. Ichimaru:
Astrophysical Journal **273**, 774-782 (1983).

[32] "Neutrino-Pair Bremsstrahlung in Dense Stars. I. Liquid Metal Case"
N. Itoh and Y. Kohyama:
Astrophysical Journal **275**, 858-866 (1983).

[33] "Electrical and Thermal Conductivities of Dense Matter in the Liquid Metal Phase. II. Low-Temperature Quantum Corrections"
S. Mitake, S. Ichimaru and N. Itoh:
Astrophysical Journal **277**, 375-378 (1984).

[34] "Neutrino-Pair Bremsstrahlung in Dense Stars. II. Crystalline Lattice Case"
N. Itoh, N. Matsumoto, M. Seki and Y. Kohyama:
Astrophysical Journal **279**, 413-418 (1984).

[35] "Neutrino-Pair Bremsstrahlung in Dense Stars. III. Low-Temperature Quantum Corrections in the Liquid Metal Phase"
N. Itoh, Y. Kohyama, N. Matsumoto and M. Seki:
Astrophysical Journal **280**, 787-791 (1984).

[36] "Neutrino-Pair Bremsstrahlung in Dense Stars. IV. Phonon Contributions in the Crystalline Lattice Phase"
N. Itoh, Y. Kohyama, N. Matsumoto and M. Seki:
Astrophysical Journal **285**, 304-311 (1984).

[37] "Erectrical and Thermal Conductivities of Dense Matter in the Crystalline Lattice Phase"
N. Itoh, Y. Kohyama, N. Matsumoto and M. Seki:
Astrophysical Journal **285**, 758-765 (1984).

[38] "Relativistic Free-Free Opacity for a High-Temperature Stellar Plasma"
N. Itoh, M. Nakagawa and Y. Kohyama:
Astrophysical Journal **294**, 17-22 (1985).

[39] "Neutrino Energy Loss in Stellar Interiors"
H. Munakata, Y. Kohyama and N. Itoh:
Astrophysical Journal **296**, 197-203 (1985).

[40] "Neutrino Energy Loss in Stellar Interiors. II. Axial-Vector Contribution to the Plasma Neutrino Energy Loss Rate"
Y. Kohyama, N. Itoh and H. Munakata:
Astrophysical Journal **310**, 815-819 (1986).

[41] "Relativistic Free-Free Gaunt Factor of the Dense High-Temperture Stellar Plasma"
M. Nakagawa, Y. Kohyama and N. Itoh:
Astrophysical Journal Supplement Series **63**, 661-684 (1987).

[42] "Neutrino-Pair Bremsstrahlung in Dense Stars. V. Partially Degenerate Electrons"
H. Munakata, Y. Kohyama and N. Itoh:
Astrophysical Journal **316**, 708-715 (1987).

[43] "Viscosity of Dense Matter"
N. Itoh, Y. Kohyama and H. Takeuchi:
Astrophysical Jounal **317**, 733-736 (1987).

[44] "Axion Bremsstrahlung in Dense Stars"
M. Nakagawa, Y. Kohyama and N. Itoh:
Astrophysical Journal **322**, 291-295 (1987).

[45] "Axion Bremsstrahlung in Dense Stars. II. Phonon Contributions"
M. Nakagawa, T. Adachi, Y. Kohyama and N. Itoh:
Astrophysical Journal **326**, 241-248 (1988).

[46] "Neutrino Emission Processes in White Dwarfs and Neutron Stars"
N. Itoh:
Advances in Space Research **8**, 695-698 (1988).

[47] "Neutrino Energy Loss in Stellar Interiors. III. Pair, Photo-, Plasma, and Bremsstrahlung Processes"
N. Itoh, T. Adachi, M. Nakagawa, Y. Kohyama and H. Munakata:
Astrophysical Journal **339**, 354-364 (1989).

[48] "Pulsar Magnetic Moment Decay Due to Radiation Damping and the Pulsar in SN 1987A"
N. Itoh:
Nuovo Cimento **12 C**, 625-637 (1989).

[49] "Relativistic Free-Free Gaunt Factor of the Dense High-Temperature Stellar Plasma. II. Carbon and Oxygen Plasmas"
N. Itoh, K. Kojo and M. Nakagawa:
Astrophysical Journal Supplement Series **74**, 291-314 (1990).

[50] "Enhancement of Thermonuclear Reaction Rates in Extremely Dense Stellar Plasma"
N. Itoh, F. Kuwashima and H. Munakata:
Astrophysical Journal **362**, 620-623 (1990).

[51] "Radiation Reaction Due to Magnetic Dipole Radiation"
N. Itoh:
Physical Review **A 43**, 1002-1004 (1991).

[52] "Magnetic-Dipole Radiation Reaction and Constant Regenaration of Pulsar Magnetic Fields"
N. Itoh:
Nuovo Cimento **106 B**, 819-822 (1991).

[53] "The Rosseland Mean Free-Free Gaunt Factor of the Dense High-Temperature Stellar Plasma"
N. Itoh, F. Kuwashima, K. Ichihashi and H. Mutoh:
Asrophysical Journal **382**, 636-639 (1991).

[54] "Relativistic Free-Free Gaunt Factors for High-Temperature Stellar Plasmas"
N. Itoh:
Revista Mexicana de Astronomia y Astrofisica **23**, 91-93 (1992).

[55] "Electron Conduction Opacity for Dense Stellar Plasmas"
N. Itoh:
Revista Mexicana de Astronomia y Astrofisica **23**, 231-234 (1992).

[56] "The Nonexponential Evolution of Pulsar Magnetic Fields"
S. Wakatsuki, A. Hikita, N. Sato and N. Itoh:
Astrophysical Journal **392**, 628-636 (1992).

[57] "Radiation Reaction Electric Field in a Current-Carrying Rotating-Ring Conductor Due to Magnetic-Dipole Radiation Reaction"
N. Itoh:
Nuovo Cimento **107 B**, 835-838 (1992).

[58] "Neutrino Energy Loss in Stellar Interiors. IV. Plasma Neutrino Process for Strongly Degenerate Electrons"
N. Itoh, H. Mutoh, A. Hikita and Y. Kohyama:
Astrolysical Journal **395**, 622-631 (1992).

[59] "Electrical and Thermal Conductivities of Dense Matter in the Crystalline Lattice Phase. II. Impurity Scattering"
N. Itoh and Y. Kohyama:
Astrophysical Journal **404**, 268-270 (1993).

[60] "Neutrino Energy Loss in Stellar Interiors. V. Recombination Neutrino Process"
Y. Kohyama, N. Itoh, A. Obama and H. Mutoh:
Astrophysical Journal **415**, 267-277 (1993).

[61] "Electrical and Thermal Conductivities of Dense Matter in the Crystalline Lattice Phase. Ⅲ. Inclusion of Lower Densities"
N. Itoh, H. Hayashi and Y. Kohyama:
Astrophysical Journal **418**, 405-413 (1993).

[62] "Neutrino Energy Loss in Stellar Interiors. Ⅵ. Axial Vector Contribution to the Plasma Neutrino Energy-Loss Rate for Strongly Degenerate Electrons"
Y. Kohyama, N. Itoh, A. Obama and H. Hayashi:
Astrophysical Journal **431**, 761-766 (1994).

[63] "The Nonexponential Evolution of Pulsar Magnetic Fields. Ⅱ. Velocity-Magnetic Field Correlation"
N. Itoh and K. Hiraki:
Astrophysical Journal **435**, 784-790 (1994).

[64] "The Nonexponential Evolution of Pulsar Magnetic Fields. Ⅲ. Comparison with the New Velocity Measurement"
N. Itoh, T. Kotouda and K. Hiraki:
Astrophysical Journal **455**, 244-251 (1995).

[65] "Neutrino Energy Loss in Stellar Interiors. Ⅶ. Pair, Photo-, Plasma, Bremsstrahlung, and Recombination Neutrino Processes"
N. Itoh, H. Hayashi, A. Nishikawa and Y. Kohyama:
American Astronomical Society CD-ROM Series, Astrophysics on Disc, Volume V (1995).

[66] "Neutrino Energy Loss in Stellar Interiors. Ⅶ. Pair, Photo-, Plasma, Bremsstrahlung, and Recombination Neutrino Processes"
N. Itoh, H. Hayashi, A. Nishikawa and Y. Kohyama:
Astrophysical Journal Supplement Series **102**, 411-424 (1996).

[67] "Neutrino Energy Loss in Stellar Interiors. Ⅷ. Braaten-Segel Approximation for the Plasma Neutrino Process"
N. Itoh, A. Nishikawa and Y. Kohyama:
Astrophysical Journal **470**, 1015-1017 (1996).

[68] "Neutrino Energy Loss in Stellar Interiors.Ⅶ. Pair, Photo-, Plasma, Bremsstrahlung, and Recombination Neutrino Processes"
N. Itoh, H. Hayashi, A. Nishikawa and Y. Kohyama:
American Astronomical Society CD-ROM Series, Astrophysics on Disc, Volume Ⅶ (1996).

[69] "Contributions of the Plasmons to the Energy Density and Pressure in the Early Universe"
N. Itoh, A. Nishikawa, Y. Kohyama and S. Nozawa:
Astrophysical Journal **482**, 33-40 (1997).

[70] "Contributions of the Plasmons to the Energy Density and Pressure in the Early Universe. Ⅱ. Correlation Effects"
N. Itoh, A. Nishikawa, S. Nozawa and Y. Kohyama:
Astrophysical Journal **488**, 507-514 (1997).

[71] "The Rosseland Mean Free-Free Gaunt Factor of the Dense High-Temperature Stellar Plasma"
N. Itoh, F. Kuwashima, K. Ichihashi and H. Mutoh:
American Astronomical Society CD-ROM Series, Astrophysics on Disc, Volume Ⅸ (1997).

[72] "Relativistic Free-Free Gaunt Factor of the Dense High-Temperature Stellar Plasma"
M. Nakagawa, Y. Kohyama and N. Itoh:
American Astronomical Society CD- ROM Series, Astrophysics on Disc, Volume Ⅸ (1997).

[73] "Relativistic Free-Free Gaunt Factor of the Dense High-Temperature Stellar Plasma. Ⅱ. Carbon and Oxygen Plasmas"
N. Itoh, K. Kojo and M. Nakagawa:
American Astronomical Society CD-ROM Series, Astrophysics on Disc, Volume Ⅸ (1997).

[74] "Relativistic Corrections to the Sunyaev-Zeldovich Effect for Cluster of Galaxies"
N. Itoh, Y. Kohyama and S. Nozawa:
Astrophysical Journal **502**, 7-15 (1998).

[75] "Relativistic Thermal Bremsstrahlung Gaunt Factor for the Intracluster Plasma"
S. Nozawa, N. Itoh and Y. Kohyama:
Astrophysical Journal **507**, 530-557 (1998).

[76] "Relativistic Correction to the Sunyaev-Zeldovich Effect for Clusters of Galaxies. Ⅱ. Inclusion of Peculiar Velocities"
S.Nozawa, N. Itoh and Y. Kohyama:
Astrophysical Journal **508**, 17-24 (1998).

[77] "High-Temperature Plasmas in Clusters of Galaxies"
N. Itoh, Y. Kohyama and S. Nozawa:
Journal of Physics: Condensed Matter **10**, 11273-11283 (1998).

[78] "Relativistic Corrections to the Sunyaev-Zeldovich Effect for Clusters of Galaxies. Ⅲ. Polarization Effect"
N. Itoh, S. Nozawa and Y. Kohyama:
Astrophysical Journal **533**, 588-593 (2000).

[79] "Relativistic Corrections to the Sunyaev-Zeldovich Effect for Clusters of Galaxies. IV. Analytic Fitting Formula for the Numerical Results"
S. Nozawa, N. Itoh, Y. Kawana and Y. Kohyama:
Astrophysical Journal **536**, 31-35 (2000).

[80] "Relativistic Thermal Bremsstrahlung Gaunt Factor for the Intracluster Plasma. II. Analytic Fitting Formulae"
N. Itoh, T. Sakamoto, S. Kusano, S. Nozawa and Y. Kohyama:
Astrophysical Journal Supplement Series **128**, 125-138 (2000).

[81] "Relativistic Corrections to the Multiple Scattering Effect on the Sunyaev-Zel'dovich Effect in the Isotropic Approximation"
N. Itoh, Y. Kawana, S. Nozawa and Y. Kohyama:
Monthly Notices of Royal Astronomical Society **327**, 567-576 (2001).

[82] "Radiative Processes in the Intracluster Plasma"
N. Itoh, T. Sakamoto, S. Kusano, Y. Kawana and S. Nozawa:
Astronomy and Astrophysics **382**, 722-729 (2002).

[83] "Nonrelativistic Electron-Electron Thermal Bremsstrahlung Gaunt Factor"
N. Itoh, Y. Kawana and S. Nozawa:
Nuovo Cimento **117 B**, 359-365 (2002).

[84] "The r-Process in the Neutrino Winds of Core-Collapse Supernovae and U-Th Cosmochronology"
S. Wanajo, N. Itoh, Y. Ishimaru, S. Nozawa and T.C. Beers:
Astrophysical Journal **577**, 853-865 (2002).

[85] "Screening Corrections to the Electron Capture Rates in Dense Stars by the Relativistically Degenerate Electron Liquid"
N. Itoh, N. Tomizawa, M. Tamamura, S. Wanajo and S. Nozawa:
Astrophysical Journal **579**, 380-385 (2002).

[86] "Enhancement of Resonant Thermonuclear Reaction Rates in Extremely Dense Stellar Plasmas"
N. Itoh, N. Tomizawa, S. Wanajo and S. Nozawa:
Astrophysical Journal **586**, 1436-1440 (2003).

[87] "The r-Process in the Neutrino Wind and U-Th Cosmochronology "
S. Wanajo, N. Itoh, Y. Ishimaru, S. Nozawa and T. C. Beers:
Nuclear Physics **A 718**, 333-336 (2003).

[88] "The Possibility of r-Process in the Core-collapse Supernova of an ONeMg Core"
M. Tamamura, S. Wanajo, N. Itoh, K. Nomoto, Y. Ishimaru and S. Nozawa:
Nuclear Physics **A 718**, 638-640 (2003).

[89] "The r-Process in Supernova Explosions from the Collapse of O-Ne-Mg Cores"
S. Wanajo, M. Tamamura, N. Itoh, S. Nomoto, Y. Ishimaru, T.C. Beers and S. Nozawa:
Astrophysical Journal **593**, 968-979 (2003).

[90] "Relativistic Corrections to the Sunyaev-Zeldovich Effect for Extremely Hot Clusters of Galaxies"
N. Itoh and S. Nozawa:
Astronomy and Astrophysics **417**, 827-832 (2004).

[91] "The r-Process in Supernovae: Impact of New Microscopic Mass Formulae"
S. Wanajo, S. Goriely, M. Samyn and N. Itoh:
Astrophysical Journal **606**, 1057-1069 (2004).

[92] "Ion-Ion Correlation Effect on the Neutrino-Nucleus Scattering in Supernova Cores"
N. Itoh, R. Asahara, N. Tomizawa, S. Wanajo and S. Nozawa:
Astrophysical Journal **611**, 1041-1044 (2004).

[93] "The r-process in Prompt Explosions from Collapsing O-Ne-Mg Cores"
S. Wanajo, N. Itoh, K. Nomoto, Y. Ishimaru and T. C. Beers:
Nuclear Physics **A 758**, 615-618 (2005).

[94] "Production of the Light r-process Nuclei in Neutrino-Driven Winds"
N. Tomizawa, S. Wanajo, R. Asahara, N. Itoh and S. Nozawa:
Nuclear Physics **A 758**, 667-670 (2005).

[95] "The r-process in Supernovae with New Microscopic Mass Formulae"
S. Wanajo, N. Itoh, S. Goriely, M. Samyn and Y. Ishimaru:
Nuclear Physics **A 758**, 671-674 (2005).

[96] "Relativistic Corrections to the Sunyaev-Zeldovich Effect for Clusters of Galaxies: Effect of the Motion of the Observer"
S. Nozawa and N. Itoh:
Astronomy and Astrophysics **440**, 39-44 (2005).

[97] "An Improved Formula for the Relativistic Corrections to the Kinematical Sunyaev-Zeldovich Effect for Clusters of Galaxies"
S. Nozawa, N. Itoh, Y. Suda and Y. Ohhata:
Nuovo Cimento **121 B**, 487-500 (2006).

[98] "Evolution of Low-Mass Population III stars"
T.Suda, M.Y.Fujimoto and N. Itoh:
Astrophysical Journal **667**, 1206-1219 (2007).

[99] "The Second Born Corrections to the Electrical and Thermal Conductivities of Dense Matter in the Liquid Metal Phase"
N. Itoh, S.Uchida, Y.Sakamoto, Y.Kohyama and S.Nozawa:
Astrophysical Journal

[100] "Analytic Fitting Formulae for Relativistic Electron-Electron Thermal Bremsstrahlung"
S.Nozawa, K.Takahashi, Y.Kohyama and N. Itoh:
Astronomy and Astrophysics, submitted.

Book Edited

[1] "Quest for New Physical Phases under Extreme Conditions"
N. Itoh, N.W. Aschcroft and N. Miura (eds.):
Journal of Physics: Condensed Matter: Special Issue 11123-11615 (1998).

Conference Proceedings (Selected)

[1] "Dielectric Response Function, Equation of State and Transport Coefficients of Strongly Coupled Plasmas"
S. Ichimaru, N. Itoh, T. Kitagawa, S. Nagano, T. Nakano, K. Tago and K. Utsumi:
Proceedings of International Conference on Plasma Physics (Nagoya) **1**, 60 (1980).

[2] "The Current Status of Neutron Star Cooling Theories"
S. Tsuruta, T. Murai, K. Nomoto and N. Itoh:
Proceedings of IAU Symposium No.93 "Fundamental Problems in the Theory of Stellar Evolution"(D. Sugimoto, D.Q. Lamb and D.N. Schramm (eds.): D. Reidel) 231-232 (1981).

[3] "Enhancement of Thermonuclear Reaction Rate due to Strong Screening"
N. Itoh, H. Totsuji, S. Ichimaru and H.E. DeWitt:
Proceeding of IAU Symposium No.93 "Fundamental Problems in the Theory of Stellar Evolution" (D. Sugimoto, D.Q. Lamb and D.N. Schramm (eds.): D. Reidel) 318-319 (1981).

[4] "Cooling of Neutron Stars: Accurate Treatment of Thermal Conduction"
N. Itoh, K. Nomoto, S. Tsuruta and T. Murai:
Proceedings of IAU Symposium No.95 "Pulsars" (W, Sieber and R. Wielebinski (eds.): D. Reidel) 339-341 (1981).

[5] "Transport Properties of Dense Matter"
N. Itoh, S. Mitake, H. Iyetomi and S. Ichimaru:
Proceedings of the Third Marcel Grossmann Meeting on General Relativity (H. Ning (ed.): North-Holland) 1273-1275 (1983).

[6] "Neutrino-Pair Bremsstrahlung in Dense Stars"
N. Itoh and Y. Kohyama:
Proceedings of IAU Symposium "Observational Tests of the Stellar Evolution Theory" (A. Maeder and A. Renzini (eds.): D. Reidel) 355-356 (1984).

[7] "Transport Processes and Neutrino Emission Processes in Dense Astrophysical Plasmas"
N. Itoh:
Proceedings of International Conference on Strongly Coupled Plasma Physics (F.J. Rogers and H.E. DeWitt (eds.): Plenum) 151-159 (1987).

[8] "Neutron Star Cooling: Critical Test of Dense Matter Physics"
N. Itoh:
Proceedings of IAU Symposium No.125 "The Origin and Evolution of Neutron Stars" (D.J. Helfand and J.-H. Huang (eds.): D. Reidel) 439-446 (1987).

[9] "Pulsar Magnetic Moment Decay Due to Radiation Damping: A Prediction for the Expected Pulsar in SN1987A"
N. Itoh:
Proceedings of International Conference on Physics of Neutron Stars and Black Holes (Y. Tanaka (ed.): Universal Academy Press) 487-490 (1988).

[10] "Neutrino Emission Processes in the Weinberg-Salam Theory"
N. Itoh:
Proceeding of IAU Colloquium No.108 "Atmospheric Diagnostics of Stellar Evolution: Chemical Peculiarity, Mass Loss, and Explosion" (K. Nomto (ed.): Springer) 434-435 (1988).

[11] "Transport Processes in Dense Astrophysical Plasmas"
N. Itoh:
Proceedings of the Second International Workshop on the Relation between Laboratory and Space Plasmas (H. Kikuchi (ed.): Springer) 33-36 (1989).

[12] "Pulsar Magnetic Moment Decay Due to Radiation Damping: A Prediction for the Expected Pulsar in 1987 A"
N. Itoh
Proceedings of Yamada Conference on Big Bang, Active Galactic Nuclei, and Supernovae (S. Hayakawa and K. Sato (eds.): Universal Academy Press) 587-588 (1989).

[13] "Transport Processes and Neutrino Emission Processes in the Interior of White Dwarfs"
N. Itoh:
Proceedings of IAU Colloquium No.114 "White Dwarfs" (G. Wegner (ed.): Springer) 66-80 (1989).

[14] "Transport Processes in Hot Dense Plasmas: General Results and the Evolution of Pulsar Magnetic Fields"
N. Itoh:
Proceeding of NATO Advanced Science Institute "Physical Processes in Hot Cosmic Plasmas" (W. Brinkmann et al. (eds.): Kluwer Academic Publishers) 197-220 (1990).

[15] "Simulation of Pulsar Evolution"
N. Itoh and S. Wakatsuki:
Proceedings of Japan-US Science Seminar "Neutron Stars" (R. Tamagaki, D. Pines and S. Tsuruta (eds.): Addision-Wesley) 409-412 (1992).

[16] "Neutrino Emission Processes in Dense High-Temperature Plasmas"
N. Itoh:
Proceedings of Fourth International Conference on Plasma Physics and Controlled Nuclear Fusion (T.D. Guyenne and J.J. Hunt (eds.): European Space Agency) 119-122 (1993).

[17] "Neutrino Energy Loss in Stellar Interiors"
N. Itoh:
Proceedings of International Conference on Origin and Evolution of the Elements (T. Kajino (ed.): World Scientific) 197-209 (1993).

[18] "Transport Processes in Dense Stellar Plasmas"
N. Itoh:
Proceeding of IAU Colloquium No.147 "The Equation of State in Astrophysics" (G. Chabrier and E. Schatzman (eds.): Cambridge University Press) 394-419 (1994).

[19] "Neutrino Emission Processes in Stars"
N. Itoh:
Proceedeing of Oji International Saminar "Elementary Processes in Dense Plasmas" (S. Ichimaru (ed.): Addison-Wesley) 101-110 (1995).

[20] "Velocity-Magnetic Field Correlation of Pulsars"
N. Itoh and T. Kotouda:
Proceeding of the Royal Netherlands Academy of Arts and Sciences Colloquium "Pulsar Timing, General Relativity and the Internal Structure of Neutron Stars" (Z. Arzoumanian, F. van der Hooft and E.P.J. van den Heuvel (eds): Royal Netherlands Academy of Arts and Sciences) 305-313 (1996).

[21] "Neutrino Energy Loss in Stellar Interiors"
N. Itoh and A. Nishikawa:
Proceeding of International Workshop "Advances in Stellar Evolution" (R.T. Rood and A. Renzini (eds.): Cambridge University Press) 185-190 (1997).

[22] "Relativistic Corrections to the Sunyaev-Zel'dovich Effects for Cluster of Galaxies"
N. Itoh, S. Nozawa and Y. Kohyama:
Proceedings of European Conference "3K Cosmology" (L. Maiani, F. Melchiorri and N. Vittorio (eds.): AIP Conference Proceedings 476) 332-342 (1999).

[23] "Relativistic Corrections to the Sunyaev-Zeldovich Effect for Clusters of Galaxies"
N. Itoh:
Proceedings of the International School of Physics "Enrico Fermi" Course CLIX (F. Melchiorri and Y. Rephaeli (eds.): IOS Press) 295-308 (2005).