

## List of Fellows Selected through Open Recruitment in Japan

The following list includes the names of the selected fellows, their host researchers and research themes under the first recruitment of FY 2010–2011 JSPS Postdoctoral Fellowship Program for Foreign Researchers. Under this recruitment, 1096 applications were received, among which 150 fellowships were awarded. Notification of the selection results will be made in writing through the head of the applying institution in the middle of January, 2010. An award letter will be sent to the successful candidates. Unsuccessful applicants (host researchers) will receive a notice of their approximate ranking, and will inform the candidates. Individual requests for selection results are not accepted.

Fellow			Host Researcher	Host Institution	Research Theme
Family Name	First Name	Middle Name			
ABDULLA-AL-MAMUN	Md.		YOSHIHUMI KUSUMOTO	Kagoshima University	Development and Application of Visible Light Responsive Photocatalyst-Metal Nanocomposite System
ADUDUREHEMAN	Abudusaimi		YUKIO UEMURA	Tokyo University of the Arts	An Analytical Study of Dolan Mukam, a traditional music genre of Southern Uighur
AHMAD	Basir		YUTAKA KURODA	Tokyo University of Agriculture and Technology	Biophysical and Biochemical Analysis of In-Cell Protein Aggregation
AMUNDSON	Jason	Michael	SHIN SUGIYAMA	Hokkaido University	Hot water drilling on Antarctic ice shelves for studying iceshelf and subs shelf environment
ATTIA	Kotb	Abdelhamid	KIMIKO ITOH	Niigata University	Study of Cellular function of Plant SUMOylation for High-temperature Stress responses in rice.
BARDOUX	Richard	Christian	YOICHI KAWAKAMI	Kyoto University	The assessment and control of recombination dynamics in InGaN-based quantum disks
BEDARD	Jocelyn		MASATO NAKAI	Osaka University	Isolation and characterization of the TIC complex using tagged components
BEGUM	Shahanara		RYO FUNADA	Tokyo University of Agriculture and Technology	Cellular mechanism of wood formation in trees
BELL	Thomas	James	YASUHISA IKEDA	Tokyo Institute of Technology	Combined Application of Ionic Liquids and Supercritical CO <sub>2</sub> to Radioactive Waste Treatments
BODHAK	Subhadip		MASANORI KIKUCHI	National Institute for Materials Science	Synthesis of biomolecule loaded hydroxyapatite/collagen nanocomposite for rapid bone regeneration
BORGHI	Monica		TORU FUJIWARA	The University of Tokyo	Uncovering gene networks for regulation of water balance with Ca and B homeostasis in plants
BRADLEY	Brendon	Archie	KUNIO SAITO	Chuo University	Development of new 3D-FEM program for liquefaction and its application
BUI	Ha	Hong	RYOICHI FUKAGAWA	Ritsumeikan University	Development of 3D multi-physics SPH model to investigate riverbank failure problem
CANNON	James	Jacobus	SHIGEO MARUYAMA	The University of Tokyo	Carbon nanotube membranes for energy-efficient filtration and separation technologies
CHEN	Yunlian		YASUHIKO NISHIZAWA	Nagoya University	The Development Process of Japanese Residence in Shanghai from the View of International Society
CHERNOV	Mikhail	Felixovich	YOSHIHIRO MURAGAKI	Tokyo Women's Medical University	Development and standardization of advanced neuroimaging for glioma
CHUANGCHOTE	Surawut		TAKASHI SAGAWA	Kyoto University	Fabrication and Evaluation of Organic Solar Cells with Conductive Polymer Nanofibers
CUI	Zining		YOSHIHIRO NISHIDA	Chiba University	Molecular design, synthesis and bioactivity evaluation of novel glycosyl hydrazines
CUI	Ying		MAKOTO KIMURA	Kyoto University	Controlling of Surface Settlement Using Foot Reinforcement Method During Tunnel Excavation
CURRIE	Thomas	Eric	TOSHIKAZU HASEGAWA	The University of Tokyo	A phylogenetic approach to investigating cultural evolution
DAS	Gopal		KEIICHI ITOI	Tohoku University	Regulatory roles of the immediate early genes in the neuroendocrine neurons
DEY	Shuvra	Kanti	HIROSHI USHIJIMA	AINO UNIVERSITY	Study on viral diseases in Asia especially on vaccine preventable diseases and diarrheal diseases
DIMRI	Ashok	Priyadarshan	TETSUZO YASUNARI	Nagoya University	Changes of cyclone activity and precipitation over the Himalayas associated with the global warming
EDALATI	Kaveh		ZENJI HORITA	Kyushu University	Development of Hydrogen Storage Alloys Using Giant Straining Process
EDWARD RAJA	Chellaiah		KIYOSHI OMINE	Kyushu University	Geo-environmental remediation techniques by using effective microorganisms
FU	Hai Ying		SEIJI TAKASHIMA	Osaka University	Endoplasmic reticulum (ER) stress in cardiac dysfunction by anti-cancer therapy
GAUTAM	Gokarna		SEIJI KATAGIRI	RAKUNO GAKUEN UNIVERSITY	Analysis of pregnancy loss in dairy cattle using an international standard protocols

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GHOSH	Arjun		HIDEKI MATSUOKA	Kyoto University	RAFT Polymerization and Self-Assembly Formation of Stimuli Responsive Amphiphilic Block Copolymers
GIRI	Bijay		SHIGERU TADANO	Hokkaido University	Biomechanical Characterization of Hierarchy Structure in Living Bone
GOMEZ	Randy	Bacarisas	TATSUYA KAWAHARA	Kyoto University	INTELLIGENT SPOKEN DIALOG SYSTEM BASED ON REINFORCED LEARNING
GONG	Haiyan		HIROOMI AKASHI	The University of Tokyo	New trial using the retrovirus-mediated screening of the receptor of Toxoplasma gondii
GOO	Youn-Kyoung		XUENAN XUAN	Obihiro University of Agriculture and Veterinary Medicine	Analysis of the Stage-conversions and Development of Novel Vaccines against Toxoplasma Infection
GORIGE	Venkataiah		TOMOYASU TANIYAMA	Tokyo Institute of Technology	Strategic manipulation of magnetic phenomena at ferromagnet/ferroelectric/semiconductor interfaces
GUERRINI	Matteo	Maurizio	HIROSHI TAKAYANAGI	Tokyo Medical and Dental University	Exploration of New Functions of RANK/RANKL Signaling
HAN	Xiao-Jian		HIDEKI MATSUI	Okayama University	Development of new molecular imaging and therapy for ErbB2-positive cancer
HASSEL	Beatriz	Ivon	KOHEI KOMATSU	Kyoto University	Analyses of Structural Components in Traditional Wooden Structures by DSP and FEM Methods
HATIPOGLU	Omer	Faruk	AJI OHTSUKA	Okayama University	Importance of hypoxia-inducible gene ADAMTS1 in ischemic endothelial cells
HEFNY	Mohamed	Mohamed	AKASHI MOCHIDA	Tohoku University	Large eddy simulation of turbulent diffusion in densely populated areas
HERMANNSTAEDTER	Claus		IKUO SUEMUNE	Hokkaido University	Coupled Semiconductor Quantum Dots and Rings for Application in Quantum Information Processing
HEWAJULIGE	Ilmi	Ganga Namali	TAKEO SHIINA	National Agriculture and Food Research Organization	Optimization of Chitosan Coating for Papaya Fruits based upon Biotic and Abiotic Effects
HONG	Soongang		TADASHI SHIRAISHI	The University of Tokyo	Economic Laws in Korea and Japan: the Structures of Regulating Price Discrimination
HOSSAIN	Md.	Delwar	YASUHIRO UOZUMI	RIKEN	Preparation of Polymeric Catalysts Using Microchannel Reactor for Organic Transformation
HU	Wen		KOICHI HAYASHI	Tohoku University	Study on phase transition of functional materials by atomic resolution X-ray fluorescence holography
HU	Zhaozheng		TAKASHI MATSUYAMA	Kyoto University	Visual Surveillance System with Active Cameras
HU	Dan		JUN HIRABAYASHI	National Institute of Advanced Industrial Science and Technology	Development of functionally reinforced recombinant lectins
HUANG	Hsin-Yuan	Jerry	TAIKAN OKI	The University of Tokyo	Development and application of land-atmosphere couple system and remote sensing data
HULIYAR	Nataraj	Subbaiah	YASUHIRO SAKEMI	Tohoku University	Relativistic Many-Body Theory of the EDM of Fr: Implications for Physics Beyond the Standard Model
ISLAM	Md.	Nazrul	NOBUAKI HATTORI	Tokyo University of Agriculture and Technology	Application of the passive impregnation to heat treatment and flexible impregnation system of lumber
ISLAM	Mohammad	Riazul	KENJI SONOMOTO	Kyushu University	Studies on rational engineering and elucidation of binding motif of novel lantibiotic, nukacin ISK-1
ISLAM	Md.	Shafiqul	HIROSHI OZAKI	The University of Tokyo	Naturally occurring rice bran phytosteryl ferulates in colonic cancer therapy
JARQUE	Cercantes	Eduardo	AKIRA SUEHIRO	The University of Tokyo	A Comparative Analysis of the Evolution of Business Groups in Mexico, Thailand and Japan
JEONG	Minwoo		YUJI MATSUMOTO	NAIST	Learning Hierarchical Structures of Natural Language Data
JIN	Sangwook		HIROSHI OHMORI	Nagoya University	Development of Supporting System for Structural Design of Steel Structures
JUNG	Mina		NORITAKA USAMI	Tohoku University	Microstructure engineering in Si polycrystals and its application to high-efficiency solar cells

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JURCYS	Paulius		TOSHIYUKI KONO	Kyushu University	Research on Legal Issues arising from the International Enforcement of Intellectual Property Rights
KALISZYK	Cezary	Seweryn	TETSUO IDA	University of Tsukuba	Formalizing proofs and algorithms performed with computer algebra methods
KALITA	Golap		KOICHI WAKITA	Chubu University	Investigation of organic and hybrid solar cells with novel materials and architectures
KANG	Woojin		TADASHI BABA	University of Tsukuba	Functional interaction of mammalian sperm with the oocyte-cumulus complex in fertilization
KHALAF	Mohamed-Elamir	Fathy Hegazy Sayed	MASAYUKI YOSHIKAWA	Kyoto Pharmaceutical University	Novel Cancer Chemoprevention Drug Lead Compounds from Pharaoh Traditional Herbal Medicines
KIM	Hyeon-Jeong		MICHIYA IWAMOTO	The University of Tokyo	Folklore Research on Cultural Heritage Governance, Making and Practicing on Social Capital in Japan
KLAUTAU NETO	Orion	Barreto Da Rocha	HIROO SATO	Tohoku University	The Creation and Development of Discourses on "Japanese Buddhism" in the Modern Period
KOCHIN	Vitaly		NORIYUKI SATOU	Sapporo Medical University	Proteomics based profiling of tumor repertoire
KOTULA	Lukasz		MIKIO NAKAZONO	The University of Tokyo	Understanding mechanisms of a barrier to Radial O <sub>2</sub> Loss for waterlogging tolerance of crops
KRAVTSOVA	Viktoriya		KYOJI FUKAO	Hitotsubashi University	Innovation and Productivity: the Effect of Linkages in Japan
KUMAR	Manish		HIROAKI FURUMAI	The University of Tokyo	Integrated Evaluation of Fate and Transport of Heavy Metal Through Urban Infiltration Facilities
LAMICHHANE	Kamal		YASUYUKI SAWADA	The University of Tokyo	Disability, Human Capital, and Economy in Nepal: A Micro-Econometric Approach
LAN	Ya-Qian		QIANG XU	National Institute of Advanced Industrial Science and Technology	Search for new porous metal-organic frameworks as hydrogen-storage materials
LE	Van	Vang	TETSU ANDO	Tokyo University of Agriculture and Technology	Identification and Application of Sex Pheromones Secreted by Pest Insects Inhabiting Mekong Delta
LECROQ	Beatrice		HIROSHI KITAZATO	Japan Agency for Marine-Earth Science and Technology	Diversity and biogeographic distribution of benthic foraminiferas from the deep-sea
LEE	Ho-Gyu		TAKASHI ONAKA	The University of Tokyo	An Infrared Study of Supernova Remnants Based on AKARI Satellite Observations
LEE	Li-Ting		SHINZABURO ITO	Kyoto University	Phase Separation of Conjugated Polymer Systems Revealed by Super-Resolution Optical Microscopy
LEFEUVRE	Mathieu	Bernard	HITOSHI NAGATSUKA	Okayama University	Functional analysis of novel tumor suppressor genes in head and neck squamous cell carcinoma
LI	Wei		JIANHUI LIU	National Institutes for the Humanities	The adoption of park culture in Manchurian: On studying Japanese landscape architecture
LI	Bingling		NORIO TERAMAE	Tohoku University	Aptamer-based electrochemical sensor for multiple targets based on logic gate design
LI	Chen		SATORU MIYANO	The University of Tokyo	Study on quantitatively unraveling hidden design principles of biopathways with high-level Petri net
LI	Lingwei		KATSUHIKO NISHIMURA	University of TOYAMA	Study of highly efficient magnetocaloric materials
LIANG	Wei-Li		KEIJI TAMURA	Public Works Research Institute	The effects of forest on hillslope hydrology and slope failure
LINSEN	Samuel Emile Victor		TAKASHI GOJOBORI	ROIS	Molecular Mechanism of Environmental Response in Parallel Evolution
LIU	Baoshun		AKIRA FUJISHIMA	Kanagawa Academy of Science and Technology (KAST)	The Study of Dynamic Features of Photoinduced Carriers at Surface Impurities in TiO <sub>2</sub> Photocatalysts
LORD-DAUNAY	Clara	Anne	KATSUMI TSUKAMOTO	The University of Tokyo	Comprehensive study of amphidromous Sicyopterus gobies by molecular and ecological approach
LORUSSO	Giuseppe		SHUNJI NISHIMURA	RIKEN	Decay spectroscopy of neutron-rich nuclei related to second peak of astrophysical r-process

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MANZOOR	Rashid		AYATO TAKADA	Hokkaido University	Studies on the host cellular factors governing the interspecies transmission of influenza viruses
MARAPPAN	Sathish		ITARU HOMMA	National Institute of Advanced Industrial Science and Technology	Development of functional Graphene electrodes for advanced lithium secondary battery
MIT SANTISUK	Chowarit	–	KIYOSHI OHISHI	Nagaoka University of Technology	High performance Bilateral control system for haptic communication and human-robot interaction
MOHAMED AHMED	Mohamed	Abd Elbasit	HIROSHI YASUDA	Tottori University	Spatial Analysis of Alternative Future Scenarios for Soil and water Conservation in Arid Region
MU	Gang		KATSUMI TANIGAKI	Tohoku University	Hole and Electron Doped Fe based Superconductors
MUTELIEFU	Gulinuer		MASAHIDE TAKAHASHI	Nagoya University	Role of uremic toxins in the senescence of vascular smooth muscle cells
NAHM	Yoon-Eui		HARUO ISHIKAWA	The University of Electro-Communications	A Proposal of Universal Design Method Based on Set-Based Design Concept
NASER	Iftkhar	Bin	HIDEAKI TANAKA	Kumamoto University	Analysis of draxin function in retinocollicular axon projection
NYDAM	Marie	Louis	HITOSHI SAWADA	Nagoya University	Molecular evolution of gamete recognition proteins in ascidians
PADHY	Simanchal		TAKASHI FURUMURA	The University of Tokyo	Scattering of high-frequency seismic waves to image structural heterogeneity
PANDEY	Jitendra	Kumar	HITOSHI TAKAGI	The University of Tokushima	Development of self-repairing composites from Polyethylene/Polypropylene and cellulose nanofiber
PARK	Soyoung		HIROSHI SUGIYAMA	Kyoto University	Selective activation of Py-Im polyamide CBI conjugate by photoirradiation
PELLARD	Thomas	Edouard Jean	YUKINORI TAKUBO	Kyoto University	Miyako and the other Ryukyuan languages: a descriptive and comparative historical study
PETER	Francis	Shahada	MASATO AKIBA	National Agriculture and Food Research Organization	Prevalence and molecular basis of cepem resistance of Salmonella isolated from animals in Japan
PHAM	Doanh	Ngoc	YOICHIRO HORII	University of Miyazaki	Biodiversity and molecular phylogenetic relationship of Paragonimus spp. in Vietnam and Asia
PLOTNIK	Joshua	Michael	GEN'ICHI IDANI	Kyoto University	Elephant sociality and cognition in a semi-free population in Thailand and Japanese zoo populations.
PROKHOROV	Dmitry	Anatolyevich	SHIGEHIRO NAGATAKI	Kyoto University	Theoretical Study on Non-Equilibrium Ionization of Heavy nuclei in Supernova Remnants
PULVERS	Jeremy	Nicholas	FUMIO MATSUZAKI	RIKEN	Study on the mechanism that determines brain size
QIN	Jiaqian		TETSUO IRIFUNE	National University Corporation Ehime University	Experimental and ab initio studies of transition metal borides at high pressure and high temperature
QUAN	Haitao		MASAHITO UEDA	The University of Tokyo	Quantum information and thermodynamics in small nonequilibrium systems
RASHED	Essam	Ali Hammam Ahmed	HIROYUKI KUDO	University of Tsukuba	A new approach to cardiac CT imaging with ultra low patient dose and high image quality
RICHARD	Serge	Charles	HIROSHI ISOZAKI	University of Tsukuba	Study of wave and scattering operators from the view point of operator algebras
ROBERTSON	Fiona	Catharine	MOTOAKI SEKI	RIKEN	Functional analysis of natural antisense RNAs in circadian and abiotic stress signaling in plants
ROUSTAN	Frederic		RURI ITO	Hitotsubashi University	Racialization of Japanese-Filipino Children in Japan: Visibility, Categorization, Interaction
SABARUDIN	Akhmad		TOMONARI UMEMURA	Nagoya University	Development of Preconcentration Tools and Techniques for Highly Sensitive Multielement Analysis
SALICE	Alessandro		TETSUYA SAKAKIBARA	The University of Tokyo	Phenomenological theories of intentionality
SHARMA	Shailendra		RYOHEI TERAUCHI	Iwate Biotechnology Research Center	Isolation of blast defense-related genes from rice using association genetics approach

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SHEHZAD	Tariq		KAZUTOSHI OKUNO	University of Tsukuba	Molecular mapping of QTL controlling allelopathic activity in sorghum
SHEN	Yanfei		TAKASHI NAKANISHI	National Institute for Materials Science	Supramolecular Fullerene–Graphene Nanohybrids for Optoelectronic Application
SHINDE	Sandip	Sopanrao	HIDEAKI OIKAWA	Hokkaido University	Total Enzymatic Synthesis of a Specific Phosphodiesterase Inhibitor, Longestin
SHRESTHA	Rekha	Goswami	MASAHIKO ABE	Tokyo University of Science	Formation and modulation of green viscoelastic gel
SHRESTHA	Kundan	Lal	AKIRA KONDO	Osaka University	Regional impact assessment of global warming on basin-scale hydroclimate
SHU	Junwu		HIKARU TAKAHARA	Kyoto Prefectural University	Palaeoecological study on Holocene dynamics of vegetation, fire and human impact in East Asia
SHULATOV	Yaroslav		TETSUYA SAKAI	The University of Tokyo	Soviet Policy towards the Far East—Focusing on the Continuity with Tsarist Russia Period
SINGH	Prashant	Chandra	TAHEI TAHARA	RIKEN	Steady-state and time-resolved study at the interfaces using new nonlinear spectroscopy
SOKEIRIK	Yasser	Samir Abdel-Khalek	TAKEO KAWABATA	Kyoto University	Advanced Molecular Transformation by Organocatalysis
SRINIVASAN	Anandan		MASAHIRO MIYAUCHI	National Institute of Advanced Industrial Science and Technology	Novel visible-light photocatalyst by defect free metal doping and interfacial charge transfer
SUTIONO	Agung	Budi	TOSHIZUMI OHTA	The University of Electro-Communications	Development of User Interface for Traumatic Brain Injury in Emergency Disaster Situation
TAFOYA	Daniel		HIROSHI IMAI	Kagoshima University	The study of bipolar planetary nebulae through observations of water maser sources
TALUKDER	Kamrul	Hasan	KOICHI HARADA	Hiroshima University	Formal verification method for the wide range of signal processing problems
TAN	Qitao		HIDEHIRO SAKURAI	National Institutes of Natural Sciences	Synthetic Studies on Heterobuckybowls and Chiral Buckybowls
TEH	Ooi-Kock		IKUKO NISHIMURA	Kyoto University	vacuolar protein sorting in higher plants
THANGAVEL	Kanagasekaran		KATSUMI TANIGAKI	Tohoku University	Research on Nanospace Materials for Electronic Devices
TONGAMP	William		ATSUSHI SHIBAYAMA	Akita University	High efficiency technology for removal of impurities from minerals and metals recovery from waste
TRINH	Quang	Duy	SATOSHI HAYAKAWA	NIHON UNIVERSITY	Analysis and prevention of vertical HIV transmission
TRUONG	Lien	Thi Ngoc	AKIHIKO FUJIWARA	JAIST	Fabrication and characterization of single-wall carbon nanotube transistors for biosensor
WANG	Dan		AKIMITSU OKAMOTO	RIKEN	Monitoring of mRNA trafficking in Aplysia neurons using hybridization-sensitive fluorescent probes
WANG	Chunlei		TAKESHI NISHIO	Tohoku University	Comparative analysis of incompatible-pollen rejection mechanism between plants in different families
WANG	Jiacheng		MAKOTO ONAKA	The University of Tokyo	Stabilized Tin Oxychloride Clusters in Nanospace and Their Acid Catalysis for Organic Reactions
WANG	Peng		KAZUNARI DOMEN	The University of Tokyo	Development of Nanostructured Photocatalysts
WANG	Jinhua		HIDEAKI KOBAYASHI	Tohoku University	Fundamental study of syngas turbulent combustion at high pressure as a basis of clean energy system
WATCHAREERUETAI	Ukrit		TOMOHARU NAGAO	Yokohama National University	Research on Intelligent Image Processing using Evolutionary Computation
WONG	Won Fen		MASANOBU SATAKE	Tohoku University	Naive or activated status of T lymphocytes regulated by Runx1 transcription factor
XIONG	Ding-Bang		HARUYUKI INUI	Kyoto University	Rigid Cluster and Disordered Glue Cluster Model Approaches to New Efficient Thermoelectric Materials

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XU	Hui		YOSHIO SHIOMI	Kyoto University	Comparative studies about duty to information in China and Japan
XUE	Zhaoli		HIROKO YAMADA	National University Corporation Ehime University	Synthesis and Properties of [14]triphyrins(2.1.1) and their metal complexes
YANG	Ziying		NAOHARU WATANABE	National University Corporation Shizuoka University	Biosynthesis of aromatic scent compounds and their ecological roles in the tea plants
YAO	Chengcan		SHUH NARUMIYA	Kyoto University	Roles of prostanoid receptors in T cell subsets
YU	Jeungah		MIO KISHIMOTO	Ochanomizu University	Study on the multiphasic political relation of the Qing empire with Tibet in the 18th century
YU	Li		MIKIYA MASUDA	Osaka City University	Geometry and combinatorics in toric topology
ZAHOOR	Muhammad	Atif	YOKO AIDA	RIKEN	Studies on the role of Viral Protein (Vpr) in HIV-1 replication
ZAHRAN	Zaki	Nabeih Ahmed	YOSHINORI NARUTA	Kyushu University	Water Oxidation/Oxygen Evolution in Extremely High Energy Efficiency with Metalloporphyrin Catalysts
ZENG	Xiaoming		EIICHI NAKAMURA	The University of Tokyo	Development of Ubiquitous Metal-Catalyzed Reactions through Activation of Carbon-Hydrogen Bonds
ZHANG	Lan		ATSUSHI SAKURAI	Rikkyo University	Research on the representations through which war-time experiences are being handed down
ZHANG	Wei-Xiong		MASAHIRO YAMASHITA	Tohoku University	Study on the Multi-functionality and Dynamics of Molecular-based Magnet
ZHANG	Mingwu		TSUYOSHI TAKAGI	FUN	Privacy Carrying Identity-Based Cryptography and its Applications to Decentralized Trust Systems
ZHANG	Yuantao		RYUJI KATAYAMA	Tohoku University	MOVPE growth of indium-nitride-based materials for novel devices in optical communications systems
ZHAO	Tiejun		MASAO MATSUOKA	Kyoto University	Oncogenesis by human T-cell leukemia virus type 1 and development of its targeted therapy
ZHONG	Sijia		YOSHIO TSUTSUMI	Kyoto University	Analysis of nonlinear dispersive and wave equations with randomness