30th Sep.(JST)	Institute for Materi	als Research, Tohoku Un	niversity, Sendai, Japan, ONLINE
9:05 - 9:10	Tohoku Univ.	Tadashi Furuhara	Opening remarks
9:10 - 9:15	Tohoku Univ.	Yasuyoshi Nagai	Introduction of Oarai Workshop
9:15 - 9:20	Tohoku Univ.	Ryuta Kasada	Introduction of REMAS2020, Irradiation 3.0
9:20 - 9:30	Tohoku Univ.	Yusei Shimizu	Announcements from the web conference office
9:30 - 10:10 Chair: S. Kondo	ORNL	Takaaki Koyanagi	Plenary Talk: Additive manufacturing of silicon carbide for nuclear applications
10:10 - 10:20			Coffee break
10:20 - 10:40 Chair: R. Kasada	Tohoku Univ.	Akira Hasegawa	Current research status of neutron irradiation effects on advanced Tungsten alloys
10:40 - 11:00	Toyama Univ.	Yuji Hatano	Deuterium Retention in Irradiated W and W-Re, Cr, Mo and Ta Binary Alloys
11:00 - 11:20	NIFS	Takuya Nagasaka	Re-optimaization of composition for vanadium alloys for fusion reactors based on low-activation characteristics and irradiation properties.
11:20 - 11:40	Tohoku Univ.	Shuhei Nogami	Neutron Irradiation Tolerance of Potassium-Doped Tungsten-Rhenium Alloys
11:40 - 12:00	JAEA	Eiichi Wakai	Recent research on the effects of displacement damage and helium atoms on creep properties of austenitic stainless steel using research and test reactors and accelerators for innovated reactor development
12:00 - 13:00			Lunch
13:00 - 13:20 Chair: T. Toyama	Tohoku Univ.	Ryuta Kasada	Ultra-Small Testing Technologies for Irradiated Materials: A key of "Micro-Hot-Laboratory"
13:20 - 13:40	Hokaido Univ.	Naoyuki Hashimoto	Development and study of radiation damage in high entropy alloys for nuclear application
13:40 - 14:00	Fukui Univ.	Kenichi Fukumoto	Irradiation behavior of vanadium alloy with/without temperature transient effect during neutron irradiation using MARICO-II capsule in Joyo
14:00 - 14:20	Chongqing Univ.	Akihiko Kimura	Radiation effects on the EB-weld bonding of ODS ferritic steel —Comparison between neutron and ion irradiation
14:20 - 14:30			Coffee break
14:30 - 14:50 Chair: K. Yoshida	USTB	Xiaoou Yi	Defect production, hardening and deuterium retention in stage II-III neutron irradiated CVD-W
14:50 - 15:10	Guilin Univ. Electr Tech.	Miao Lei	Observation of structural imperfectness in thermoelectric materials by advanced analytical microscopy
15:10 - 15:30	York. Univ.	Atsufumi Hirohata	Cross-sectional TEM imaging of NiCrMnSi and CoFe:N alloys for magnetic tunnel junctions
15:30 - 15:50	Russian Academy of Science	Vladimir Alimov	Deuterium release from deuterium plasma-exposed neutron-irradiated and non-neutron-irradiated tungsten samples during annealing
15:50 - 16:00			Coffee break
16:00 - 18:00 Chair: T.Toyama	SCK/CEN	Steven Van Dyck, Patrice Jacquet Bert Rossaert Dmitry Terentyev Inge Uytdenhouwen	15 years of MICADO collaboration Status of the BR2 reactor Material irradiations – devices used for MICADO Material irradiations – other existing devices and devices in development Fuel irradiations – existing devices and devices in development Laboratories and PIE Fusion related research RPV related research
18:00 - 19:30			Poster

1st Oct.(JST) Institute for Materials Research, Tohoku University, Sendai, Japan, ONLINE

	Chair:			Plenary Talk: The use of nanindentation as a strength microprobe to investigate properties alterations
9:00 - 9:35	R. Kasada	KLA Corporation	W.C. Oliver	associated with radiation damage
9:35 - 10:10	Chair: Y. Nagai	UCSB	G Robert Odette	Plenary Talk: Measuring, Modeling and Managing RPV Embrittlement: Low Flux-High Fluence Shift Predictions
10:10 - 10:15				Coffee break
10:15 - 10:35	Chair: K. Yoshida	USTB	Somei Ohnuki	Anomalous phase separation in Fe-Cr alloys under three types of irradiation
10:35 - 10:55		Hokkaido Univ.	Naoko Oono	Radiation-induced microstructure and mechanical property modification in FeCrAl-ODS Alloy after Neutron Irradiation at an Operating Temperature
10:55 - 11:15		Tohoku Univ.	Takeshi Toyama	Microstructural analysis of RPV steels in joint research between SCK.CEN and IMR
11:15 - 11:35		Kyushu Univ.	Hideo Watanabe	Study of radiation induced microstructure of Fe-(Mn,Ni) model alloys under neutron irradiaton
11:35 - 11:55		Tohoku Univ.	Sosuke Kondo	Role of SiC dangling bonds in the irradiation assisted corrosion
11:55 - 12:15		NIFS	Arata Nishimura	Neutron Irradiation Effect on Critical Current of Nb3Sn Wire for ITER TF Coil.
12:15 - 13:15				Lunch
13:15 - 13:35	Chair: K. Inoue	Muroran Inst. Tech.	Hirotatsu Kishimoto	Investigation of environmental durability of NITE-SiC/SiC Composites under neutron irradiation environments
13:35 - 13:55		JAEA	Tomoaki Suzudo	Cleavage and dislocation emissions in BCC iron: A molecular dynamics study
13:55 - 14:15		Tokyo Univ.	Sho Kano	Radiation-Induced Amorphization of M23C6 in Reduced Activation Ferritic/Martensitic Steels: An atomic-Scale Observation
14:15 - 14:35		Kyoto Univ.	Toshimasa Yoshiie	The formation of iron nitride, α "-Fe ₁₆ N ₂ , around <100> interstitial type dislocation loops in neutron-irradiated iron
14:35 - 14:55		JAEA	Takashi Tannno	Development of miniature fracture toughness test technique for thin martensitic steel wrapper tube of fast reactor
14:55 - 15:05				Coffee break
15:05 - 15:25	Chair: Y. Shimada	KEK	Tatsushi Nakamoto	Development of radiation resistant materials for superconducting magnet system for high intensity proton beam line
15:25 - 15:45		NIMS	Yasuo Shimizu	Atom probe analysis of dopant distributionin commercial solar cells
15:45 - 16:05		INSS	Katsuhiko Fujii	Effects of cold work on solute atom clustering during thermal aging in RPV model alloy
16:05 - 16:25		Tohoku Univ.	Kenta Yoshida	In-situ weak-beam STEM for quantitative dislocation analysis in nuclear materials during post-irradiation annealing
16:25 - 16:35				Coffee break
16:35 - 17:30				Discussion for future irradiation plan using BR2
17:30 - 19:00				Poster

2nd Oct.(JST) Institute for Materials Research, Tohoku University, Sendai, Japan, ONLINE

9:00 - 9:10		Tohoku Univ.	Dai Aoki	Introduction of Oarai Workshop on Actinoid Science
9:10 - 9:40	Chair: D. Aoki	UC-Davis	Valentin Taufour	New compounds with novel type of ferromagnetic quantum criticality
9:40 - 10:00		Kobe Univ.	Hitoshi Sugawara	Study of Electronic States in Multipolar Conductors and Related Materials
10:00 - 10:20		Kobe Univ.	Hisashi Kotegawa	Single crystal growth and NMR studies of Uranium based superconductors and related materials
10:20 - 10:40		Kinki Univ.	Masanobu Nogami	Development of novel cyclic monoamide extractants for selective separation of uranium(VI)
10:40 - 10:50				Coffee break
10:50 - 11:10	Chair: F. Honda	Hokkaido Univ.	Hiroshi Amitsuka	Search for Uranium Compounds with Odd-Parity Cluster Multipole Ordering
11:10 - 11:30		RIKEN, CEMS	Yoshichika Onuki	Single Crystal Growth and Unique Electronic States of Cubic Chiral EuPtSi and Related Compounds
11:30 - 11:50		Ibaraki Univ.	Makoto Yokoyama	Relationship between quantum critical fluctuations and anomalous superconductivity in CeCoIns and its ionic substitutions
11:50 - 12:10		Kyoto Univ.	Shunsaku Kitagawa	New avenue of outreach activities - how to become a YouTuber -
12:10 - 13:30				Lunch
13:30 - 13:50	Chair: H. Amitsuka	Tohoku Univ.	Dai Aoki	Field-reentrant and multiple superconductivity in UTe2
13:50 - 14:10		Osaka.Univ.	Koichi Izawa	Nodal structure of UTe2 studied by thermal conductivity
14:10 - 14:30		JAEA	Yo Tokunaga	NMR Study of Magnetic Fluctuations in Heavy Fermion Superconductor UTe
14:30 - 14:50		Vyoto Univ		
		Kyoto Univ.	Kenji Ishida	NMR Study on the Superconducting State of UTe2
14:50 - 15:00		Kyoto Uliv.	Kenji Ishida	NMR Study on the Superconducting State of UTe2 Coffee break
14:50 - 15:00 15:00 - 15:30	Chair: F. Honda	Tata Inst. of Fundamental Research	Kenji Ishida Arumugam Thamizhavel	
		Tata Inst. of		Coffee break Extremely large magnetoresistance and Fermi surface properties of MoSi2 and WSi2 Single
15:00 - 15:30		Tata Inst. of Fundamental Research	Arumugam Thamizhavel	Coffee break Extremely large magnetoresistance and Fermi surface properties of MoSi2 and WSi2 Single crystals
15:00 - 15:30 15:30 - 16:00		Tata Inst. of Fundamental Research	Arumugam Thamizhavel	Coffee break Extremely large magnetoresistance and Fermi surface properties of MoSe and WSi2 Single crystals Tuning of the 5f magnetism in U intermetallics by polar bonds
15:00 - 15:30 15:30 - 16:00 16:00 - 16:15	F. Honda Chair:	Tata Inst. of Fundamental Research Charles Univ.	Arumugam Thamizhavel Ladislav Havela	Coffee break Extremely large magnetoresistance and Fermi surface properties of MoSi2 and WSi2 Single crystals Tuning of the 5f magnetism in U intermetallics by polar bonds Coffee break
15:00 - 15:30 15:30 - 16:00 16:00 - 16:15 16:15 - 16:45	F. Honda Chair:	Tata Inst. of Fundamental Research Charles Univ.	Arumugam Thamizhavel Ladislav Havela Georg Knebel	Coffee break Extremely large magnetoresistance and Fermi surface properties of MoSiz and WSiz Single crystals Tuning of the 5f magnetism in U intermetallics by polar bonds Coffee break Field Enhancement of Superconductivity in UTe2

3rd Oct.(JST) Institute for

Institute for Materials Research, Tohoku University, Sendai, Japan, ONLINE

8:55 - 9:00		Tohoku Univ.	Kenji Shirasaki	Introduction of Workshop of Laboratory of Alpha-Ray Emitters
9:00 - 9:20	Chair: K. Tsukada	Nat. Cancer Centr.	Mitsuyoshi Yoshimoto	Targeted alpha therapy using 225Ac-RGD peptide for pancreatic cancer
9:20 - 9:40		Osaka Univ.	Yoshifumi Shirakami	Development of targeted alpha therapy using Actinium-225
9:40 - 10:00		JAEA	Toru Kitagaki	Analysis of the alteration behavior of zircon mineral in the three different pH solutions
10:00 - 10:10				Coffee break
10:10 - 10:30	Chair : T. Yamamura	Shimane Univ.	Gaku Motoyama	Study of Magnetoelectric Effect on Antiferromagnetic Compounds of Ce3TiSb5 and Ce3TiBi5 with Ce Zig-Zag Chain
10:30 - 10:50		Okayama Univ.	Koji Yoshimura	Novel Production Method of the Lowest-Energy Nuclear State - Thorium-229 Isomer
10:50 - 11:10		RIKEN	Atsushi Yamaguchi	Energy of the Th-+G10:I10229 nuclear clock isomer determined by absolute γ-ray energy difference
11:10 - 11:20				Coffee break
11:20 - 11:40	Chair: K. Shirasaki	Kyushu Univ.	Kazuya Idemitsu	Diffusion behavior of Pu and Np in bentonite
11:40 - 12:00		Nagaoka Univ. of Tech.	Tatsuya Suzuki	Fundamental Study for Precise Analysis of Actinides in Hardly Soluble Substances Containing Uranium Oxides
12:00 - 12:20		Kyoto Univ.	Chihiro Tabata	Crystal structure and magnetism of uranium phthalocyanine complex
12:20 - 12:40		Tokyo Inst. Tech.	Masahiko Nakase	Relation between ion recognition of f-block elements and polymeric characteristics by extractant-immobilized hydrogel adsorbents
12:40 - 12:50		Tohoku Univ.	Yasuyoshi Nagai	Closing Remarks

$\textbf{GIMRT Joint International Symposium on Radiation Effects in Materials and Actinide Science: \textbf{GIMRT-REMAS} 2020 \\$

30th Sep. 17:30-19:00(JST)

Institute for Materials Research, Tohoku University, Sendai, Japan, ONLINE

Poster Session	

P2-19 Kyoto Univ.

Tomoo Yamamura

P1-1	INSS	Terumitsu Miura	Micro-tensile testing of stainless steel welds
P1-2	NIFS	Jingjie Shen	Effect of post irradiation annealing on irradiation hardening of weld metal of NIFS-HEAT2 (V-4Cr-4Ti alloy)
P1-3	Hokkaido Univ.	Yuji Nobuta	Effects of helium and radiative cooling gas on hydrogen isotope retention in neutron-irradiated tungsten
P1-4	Muroran Inst. Tech.	Naofumi Nakazato	Irradiation Effects of Corrosion Behaviour on fusion materials under high temperature/pressurized water
P1-5	Iwate Univ.	Satoru Kobayashi	Investigation of microstructural changes in a thermally aged Fe-Cu alloy using a magnetic mixing- frequency technique
P1-6	Tokyo Univ.	Hirochika Sumino	Spatial distribution of halogen compositions in the wedge mantle-derived rocks from the Sanbagawa metamorphic belt
P1-7	Shizuoka Univ.	Shota Yamazaki	Evaluation of D retention behavior for damaged W after D plasma exposure
P1-8	Nagoya Univ.	Satoru Miyamoto	Atom probe tomography observation of diffusion behaviors in isotopically controlled silicon nanostructures
P1-9	Kyoto Univ.	Tatsuya Hinoki	Neutron irradiation effect on particle dispersion SiC composites
P1-10	Kyoto Univ.	Kiyohiro Yabuuchi	Irradiation Effect on Fe ⁻ Mn alloys
P1-11	Kyusyu Univ.	Kazutoshi Tokunaga	$Observation\ of\ fatigue\ induced\ precracks\ and\ evaluation\ of\ fracture\ toughness\ in\ an\ ITER\ specification\ tungsten$
P1-12	JAEA	Takashi Tanno	Evaluation of nano-sized oxide dispersion condition in ODS steel by atom probe tomography
P1-13	JAEA	Yoosung Ha	Effect of initial properties on irradiation hardening in RPV steel
P1-14	NIFS	Miyuki Yajima	Influence of Radiation Damage Change in Neutron Irradiated Tungsten on Deuterium Retention
P1-15	Tohoku Univ.	Yutaka Ohno	Structural analysis of Si/diamond heterointerfaces fabricated by surface activated bonding using LT-FIB and STEM
P1-16	Tohoku Univ.	Koji Inoue	$\label{lem:constraints} A \ challenge \ to \ observe \ segregation \ of solute \ atoms \ on \ stacking \ faults \ in \ high-entropy \ alloy \ by \ atom \ probe \ tomography$
P1-17	Tohoku Univ.	Yasuki Okuno	Dosimeter characteristics for gamma rays with high radiation-resistance applying CIS solar cells
1st Oct.	17:30-19:00(JST)		
P2-1	Tohoku Univ.	Nozomi Mizumoto	Valence electron state analysis in choromium carbide and borocarbide
P2-1 P2-2	Tohoku Univ. Tohoku Univ.	Nozomi Mizumoto Liu Yuchen	Valence electron state analysis in choromium carbide and borocarbide Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test
			Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano-
P2-2	Tohoku Univ.	Liu Yuchen	Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test Evaluation of Local Mechanical Properties of Electronically Irradiated
P2-2 P2-3	Tohoku Univ.	Liu Yuchen Zhen Gyuyang	Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test Evaluation of Local Mechanical Properties of Electronically Irradiated RPV Steels by Ultra-Microscopic Testing Technique Effect of oxygen concentration and Al content on the corrosion behavior of Fe-Mn-Al-Cr-C type austenitic
P2-2 P2-3 P2-4	Tohoku Univ. Tohoku Univ. Tohoku Univ.	Liu Yuchen Zhen Gyuyang Wang Haoran	Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test Evaluation of Local Mechanical Properties of Electronically Irradiated RPV Steels by Ultra-Microscopic Testing Technique Effect of oxygen concentration and Al content on the corrosion behavior of Fe-Mn-Al-Cr-C type austenitic steels in lead-bismuth eutectic
P2-2 P2-3 P2-4 P2-5	Tohoku Univ. Tohoku Univ. Tohoku Univ. Tohoku Univ.	Liu Yuchen Zhen Gyuyang Wang Haoran Yuan Xinwei	Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test Evaluation of Local Mechanical Properties of Electronically Irradiated RPV Steels by Ultra-Microscopic Testing Technique Effect of oxygen concentration and Al content on the corrosion behavior of Fe-Mn-Al-Cr-C type austenitic steels in lead-bismuth eutectic The mechanical preoperties of SiC fibers after passive oxidation
P2-2 P2-3 P2-4 P2-5 P2-6	Tohoku Univ. Tohoku Univ. Tohoku Univ. Tohoku Univ. Tohoku Univ.	Liu Yuchen Zhen Gyuyang Wang Haoran Yuan Xinwei Wu Xiangyu	Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test Evaluation of Local Mechanical Properties of Electronically Irradiated RPV Steels by Ultra-Microscopic Testing Technique Effect of oxygen concentration and Al content on the corrosion behavior of Fe-Mn-Al-Cr-C type austenitic steels in lead-bismuth eutectic The mechanical preoperties of SiC fibers after passive oxidation Evaluation of joining strength of explosive welded W/F82H by ultra-small tensile/compression test
P2-2 P2-3 P2-4 P2-5 P2-6 P2-7	Tohoku Univ. Tohoku Univ. Tohoku Univ. Tohoku Univ. Tohoku Univ. Tohoku Univ.	Liu Yuchen Zhen Gyuyang Wang Haoran Yuan Xinwei Wu Xiangyu Yuki Jimba	Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test Evaluation of Local Mechanical Properties of Electronically Irradiated RPV Steels by Ultra-Microscopic Testing Technique Effect of oxygen concentration and Al content on the corrosion behavior of Fe-Mn-Al-Cr-C type austenitic steels in lead-bismuth eutectic The mechanical preoperties of SiC fibers after passive oxidation Evaluation of joining strength of explosive welded W/F82H by ultra-small tensile/compression test Sintering of TiB2 ultra-high temperature ceramics with amorphous Ti, B eutectic alloy additive
P2-2 P2-3 P2-4 P2-5 P2-6 P2-7	Tohoku Univ.	Liu Yuchen Zhen Gyuyang Wang Haoran Yuan Xinwei Wu Xiangyu Yuki Jimba Kotaro Seki	Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test Evaluation of Local Mechanical Properties of Electronically Irradiated RPV Steels by Ultra-Microscopic Testing Technique Effect of oxygen concentration and Al content on the corrosion behavior of Fe-Mn-Al-Cr-C type austenitic steels in lead-bismuth eutectic The mechanical preoperties of SiC fibers after passive oxidation Evaluation of joining strength of explosive welded W/F82H by ultra-small tensile/compression test Sintering of TiB2 ultra-high temperature ceramics with amorphous Ti, B eutectic alloy additive Effects of hydrogenation of SiC on the surface passivation Investigation of Cu diffusivity in Fe by the combination of atom probe experiments and Monte Carlo
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P2-2 P2-3 P2-4 P2-5 P2-6 P2-7 P2-8 P2-9 P2-10	Tohoku Univ.	Liu Yuchen Zhen Gyuyang Wang Haoran Yuan Xinwei Wu Xiangyu Yuki Jimba Kotaro Seki Can Zhao Hotaka Miyata Chen Jiao	Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test Evaluation of Local Mechanical Properties of Electronically Irradiated RPV Steels by Ultra-Microscopic Testing Technique Effect of oxygen concentration and Al content on the corrosion behavior of Fe-Mn-Al-Cr-C type austenitic steels in lead-bismuth eutectic The mechanical preoperties of SiC fibers after passive oxidation Evaluation of joining strength of explosive welded W/F82H by ultra-small tensile/compression test Sintering of TiB2 ultra-high temperature ceramics with amorphous Ti, B eutectic alloy additive Effects of hydrogenation of SiC on the surface passivation Investigation of Cu diffusivity in Fe by the combination of atom probe experiments and Monte Carlo simulation Direct observation of Cu diffusivity in Pure Iron Grain Boundary by Atom Probe Tomography In situ observation via spherical aberration-corrected transmission electron microscopy of atomic-scale defects in Al thin films
P2-2 P2-3 P2-4 P2-5 P2-6 P2-7 P2-8 P2-9 P2-10 P2-11	Tohoku Univ.	Liu Yuchen Zhen Gyuyang Wang Haoran Yuan Xinwei Wu Xiangyu Yuki Jimba Kotaro Seki Can Zhao Hotaka Miyata Chen Jiao Hidetoshi Kikunaga	Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test Evaluation of Local Mechanical Properties of Electronically Irradiated RPV Steels by Ultra-Microscopic Testing Technique Effect of oxygen concentration and Al content on the corrosion behavior of Fe-Mn-Al-Cr-C type austenitic steels in lead-bismuth eutectic The mechanical preoperties of SiC fibers after passive oxidation Evaluation of joining strength of explosive welded W/F82H by ultra-small tensile/compression test Sintering of TiB2 ultra-high temperature ceramics with amorphous Ti, B eutectic alloy additive Effects of hydrogenation of SiC on the surface passivation Investigation of Cu diffusivity in Fe by the combination of atom probe experiments and Monte Carlo simulation Direct observation of Cu diffusivity in Pure Iron Grain Boundary by Atom Probe Tomography In situ observation via spherical aberration-corrected transmission electron microscopy of atomic-scale defects in Al thin films Preparation of stock solutions of thorium-229 and Ra-228 Microfabrication of the Uranium Based Spin Triplet Superconductor for High Magnetic Field
P2-2 P2-3 P2-4 P2-5 P2-6 P2-7 P2-8 P2-9 P2-10 P2-11 P2-12	Tohoku Univ. Osaka Univ.	Liu Yuchen Zhen Gyuyang Wang Haoran Yuan Xinwei Wu Xiangyu Yuki Jimba Kotaro Seki Can Zhao Hotaka Miyata Chen Jiao Hidetoshi Kikunaga Motoi Kimata	Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test Evaluation of Local Mechanical Properties of Electronically Irradiated RPV Steels by Ultra-Microscopic Testing Technique Effect of oxygen concentration and Al content on the corrosion behavior of Fe-Mn-Al-Cr-C type austenitic steels in lead-bismuth eutectic The mechanical preoperties of SiC fibers after passive oxidation Evaluation of joining strength of explosive welded W/F82H by ultra-small tensile/compression test Sintering of TiB2 ultra-high temperature ceramics with amorphous Ti, B eutectic alloy additive Effects of hydrogenation of SiC on the surface passivation Investigation of Cu diffusivity in Fe by the combination of atom probe experiments and Monte Carlo simulation Direct observation of Cu diffusivity in Pure Iron Grain Boundary by Atom Probe Tomography In situ observation via spherical aberration-corrected transmission electron microscopy of atomic-scale defects in Al thin films Preparation of stock solutions of thorium-229 and Ra-228 Microfabrication of the Uranium Based Spin Triplet Superconductor for High Magnetic Field Experiments
P2-2 P2-3 P2-4 P2-5 P2-6 P2-7 P2-8 P2-9 P2-10 P2-11 P2-12 P2-13 P2-14	Tohoku Univ.	Liu Yuchen Zhen Gyuyang Wang Haoran Yuan Xinwei Wu Xiangyu Yuki Jimba Kotaro Seki Can Zhao Hotaka Miyata Chen Jiao Hidetoshi Kikunaga Motoi Kimata Katsuya Ota	Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test Evaluation of Local Mechanical Properties of Electronically Irradiated RPV Steels by Ultra-Microscopic Testing Technique Effect of oxygen concentration and Al content on the corrosion behavior of Fe-Mn-Al-Cr-C type austenitic steels in lead-bismuth eutectic The mechanical preoperties of SiC fibers after passive oxidation Evaluation of joining strength of explosive welded W/F82H by ultra-small tensile/compression test Sintering of TiB2 ultra-high temperature ceramics with amorphous Ti, B eutectic alloy additive Effects of hydrogenation of SiC on the surface passivation Investigation of Cu diffusivity in Fe by the combination of atom probe experiments and Monte Carlo simulation Direct observation of Cu diffusivity in Pure Iron Grain Boundary by Atom Probe Tomography In situ observation via spherical aberration corrected transmission electron microscopy of atomic-scale defects in Al thin films Preparation of stock solutions of thorium-229 and Ra-228 Microfabrication of the Uranium Based Spin Triplet Superconductor for High Magnetic Field Experiments Zero-magnetic-field Hall effect in the ferroic toroidal candidate UNi4B
P2-2 P2-3 P2-4 P2-5 P2-6 P2-7 P2-8 P2-9 P2-10 P2-11 P2-12 P2-13 P2-14 P2-15	Tohoku Univ.	Liu Yuchen Zhen Gyuyang Wang Haoran Yuan Xinwei Wu Xiangyu Yuki Jimba Kotaro Seki Can Zhao Hotaka Miyata Chen Jiao Hidetoshi Kikunaga Motoi Kimata Katsuya Ota Takatsugu Koizumi	Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test Evaluation of Local Mechanical Properties of Electronically Irradiated RPV Steels by Ultra-Microscopic Testing Technique Effect of oxygen concentration and Al content on the corrosion behavior of Fe-Mn-Al-Cr-C type austenitic steels in lead-bismuth eutectic The mechanical preoperties of SiC fibers after passive oxidation Evaluation of joining strength of explosive welded W/F82H by ultra-small tensile/compression test Sintering of TiB2 ultra-high temperature ceramics with amorphous Ti, B eutectic alloy additive Effects of hydrogenation of SiC on the surface passivation Investigation of Cu diffusivity in Fe by the combination of atom probe experiments and Monte Carlo simulation Direct observation of Cu diffusivity in Pure Iron Grain Boundary by Atom Probe Tomography In situ observation via spherical aberration-corrected transmission electron microscopy of atomic-scale defects in Al thin films Preparation of stock solutions of thorium-229 and Ra-228 Microfabrication of the Uranium Based Spin Triplet Superconductor for High Magnetic Field Experiments Zero-magnetic-field Hall effect in the ferroic toroidal candidate UNi4B Study of Electronic Properties of Rare-earth and Actinide Compounds under Ultra-high Pressures
P2-2 P2-3 P2-4 P2-5 P2-6 P2-7 P2-8 P2-9 P2-10 P2-11 P2-12 P2-13 P2-14 P2-15 P2-16	Tohoku Univ. Kanazawa Univ.	Liu Yuchen Zhen Gyuyang Wang Haoran Yuan Xinwei Wu Xiangyu Yuki Jimba Kotaro Seki Can Zhao Hotaka Miyata Chen Jiao Hidetoshi Kikunaga Motoi Kimata Katsuya Ota Takatsugu Koizumi Masaki Nagare	Evaluation of irradiation hardening behavior of ODS-Cu based on micro-pillar compression and nano- indentation test Evaluation of Local Mechanical Properties of Electronically Irradiated RPV Steels by Ultra-Microscopic Testing Technique Effect of oxygen concentration and Al content on the corrosion behavior of Fe-Mn-Al-Cr-C type austenitic steels in lead-bismuth eutectic The mechanical preoperties of SiC fibers after passive oxidation Evaluation of joining strength of explosive welded W/F82H by ultra-small tensile/compression test Sintering of TiB2 ultra-high temperature ceramics with amorphous Ti, B eutectic alloy additive Effects of hydrogenation of SiC on the surface passivation Investigation of Cu diffusivity in Fe by the combination of atom probe experiments and Monte Carlo simulation Direct observation of Cu diffusivity in Pure Iron Grain Boundary by Atom Probe Tomography In situ observation via spherical aberration-corrected transmission electron microscopy of atomic-scale defects in Al thin films Preparation of stock solutions of thorium-229 and Ra-228 Microfabrication of the Uranium Based Spin Triplet Superconductor for High Magnetic Field Experiments Zero-magnetic-field Hall effect in the ferroic toroidal candidate UNi4B Study of Electronic Properties of Rare-earth and Actinide Compounds under Ultra-high Pressures Ternary uranium transition metal carbides

Hydrothermal synthesis of (U,Np)O2 under subcritical water condition