TOKYO TECH RESEARCH MAP 2023-2024

Development of novel

alysts for low-temperat

Masaaki Kitano Institute of

Environmentally benigr eterogeneous catalysts

Michikazu Hara Institute of Innovative Research



Chemical approach to artificial photosynthesis

Kazuhiko Maeda



Sergei Manzhos School of Materials and Chemical Technology

Elucidatino

Yoshinori Ohsumi

Institute of Innovative Research

Polymer design for

future diagnostic and therapeutic medicine

Nobuhiro Nishiyama Institute of

hagy, an intracellular

materials: enabler for Toshiyuki Yokoi

metallic materials & the evaluation method for

Masato Sone

Institute of Innovative Research

Elaboration of nanosp

Institute of Innovative Research



a unique perspective Hideo Hosono MDX Research Center for Element Strategy

Creation of novel

functional materials fron

water electrolysis and Takeo Yamaguchi Institute of Innovative Research



Lorenzo Catti Institute of Innovative Research



Chemistry, Materials

Science and

Engineering,

Humanities and Social Science

Life Science and

Technology

138

241

Making all solid-state batteries universally available

Ryoji Kanno Institute of Innovative Research

Electrical and

197

105

Physics, Earth

and Planetary

Sciences

Mechanical Engineering Civil Engineering Architecture



meter-wave transceive SW-HW co-creation

> Masato Motomura Institute of Innovative Research

for healthcare and nmental energy fields Mutsuko Hatano

World's fastest

Kenichi Okada

artificial intelligence that

Kenji Suzuki



Exploiting big data to model socio- and econophysics

Misako Takayasu School of Computing

Hideaki Ishii School of Computin







Soft robots that

Koichi Suzumori

School of Engineering

Masatoshi Okutomi

School of Engineering

ings and cities tha Shoichi Kishiki

Innovative Research

Contributing to water security in

Shinjiro Kanae School of Environment and Society



Qantum sensor

Preparation and

industrial application of functional carbon material

Naoto Ohtake

Mikio Kozuma Institute of



Nanophotonics enabling novel information processing

Masaya Notomi



Researching for life beyond Earth

Yasuhito Sekine Earth-Life Science Institute





Takeshi Nakajima Institute for Liberal Arts

ion and nationalisr

Analyze human otion and support human

Takeo Maruyama Institute for Liberal Arts



Design of small molecules

and drug development Hiroyuki Nakamura

ate biological functio

Exosome in disease etiology and detection

Understanding

the gene expression

mechanism in living cells

Hiroshi Kimura

Institute of

Innovative Research



Jun-ichi Takada School of Environment

and application to drug discovery

Shoen Kume

School of Life

School of Environment and Society

Ryutaro Ichise School of Engineering