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1	Sakon Rahong	Ultrafast Biomolecules Separation by Three-dimensional Nanowire Structure	○Sakon Rahong1,2, Takao Yasui2,3, Takeshi Yanagida4, Kazuki Nagashima4, Masaki Kanaei4, Gang Meng4, Yong He4, Fuwei Zhuge4, Noritada Kaji2,3, Tomoji Kawai4 and Yoshinobu Baba2,3,5 1 Institute of Innovation for Future Society, Nagoya University, Japan 2 FIRST Research Center for Innovative Nanobiodevices, Nagoya University, Japan 3 Department of Applied Chemistry, Graduate School of Engineering, Nagoya University, Japan 4 The Institute of Scientific and Industrial Research, Osaka University, Japan 5 Health Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Japan
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5	小山 諒	Single nucleus analysis in microchamber devices	○Ryo Koyama1,2, Takao Yasui1,2, Noritada Kaji1,2, Tetsuya Higashiyama3,4, Yoshinobu Baba1,2,5 1 Department of Applied Chemistry, Nagoya University, Japan 2 FIRST Research Center for Innovative Nanobiodevices, Nagoya University, Japan 3 Institute of Transformative Bio-molecules, Nagoya University, Japan 4 JST-ERATO, Japan 5 Health Research Institute, National Institute of Advanced Industrial Science and Technology(AIST), Japan
6	矢崎 啓寿	Simultaneous electrical and optical detection in microchannel devices	○Hirotohi Yasuki1,2, Takao Yasui1,2,3, Takeshi Yanagida4, Noritada Kaji1,2,3, Masaki Kanaei4, Sakon Rahong2,3, Kazuki Nagashima4, Tomoji Kawai4 and Yoshinobu Baba1,2,3,5 1 Department of Applied Chemistry, Nagoya University, Japan 2 FIRST Research Center for Innovative Nanobiodevices, Nagoya University, Japan 3 Institute of Innovation for Future Society, Nagoya University, Japan 4 Institute of Scientific and Industrial Research, Osaka University, Japan 5 Health Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Japan
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8	大川 智生	Cell Rupture by Magnetized Zinc Oxide Nanowires	○Tomoki Okawa1,2, Takao Yasui1,2, Noritada Kaji1,2, He Yong3, Takeshi Yanagida3, Masaki Kanaei3, Kazuki Nagashima3, Tomoji Kawai3, Yoshinobu Baba1,2,4 1 Department of Applied Chemistry, Graduate School of Engineering, Nagoya University, Furo-cho, Chikusa-ku, Nagoya 464-8603, Japan 2 FIRST Research Center for Innovative Nanobiodevices, Nagoya University, Japan 3 Institute of Scientific and Industrial Research, Osaka University, 8-1 Mihogaoka, Ibaraki 567-0047, Japan 4 Health Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Hayashi-cho 2217-14, Takamatsu 761-0395, Japan
9	佐野麻美子	Measurements of electric breakdown voltage on silicon devices	○Mamiko Sano1, 2, Takao Yasui1, 2, Noritada Kaji1, 2, Masateru Taniguchi3, Tomoji Kawai3, Yoshinobu Baba1, 2, 4 1 Department of Applied Chemistry, Graduate School of Engineering, Nagoya University, Furo-cho, Chikusa-ku, Nagoya 464-8603, Japan 2 FIRST Research Center for Innovative Nanobiodevices, Nagoya University, Japan 3 Institute of Scientific and Industrial Research, Osaka University, 8-1 Mihogaoka, Ibaraki 567-0047, Japan 4 Health Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Hayashi-cho 2217-14, Takamatsu 761-0395, Japan
10	竹下大貴	Fabrication of anchored nanowires in microchannels toward exosome trapping	○Daiki Takeshita1, Takao Yasui1,2, He Yong3, Takeshi Yanagida3, Noritada Kaji1,2, Sakon Rahong1, Masaki Kanaei3, Kazuki Nagashima3, Tomoji Kawai3, Yoshinobu Baba1,2,4 1 Department of Applied Chemistry, Graduate School of Engineering, Nagoya University, Furo-cho, Chikusa-ku, Nagoya 464-8603, Japan 2 FIRST Research Center for Innovative Nanobiodevices, Nagoya University, Japan 3 Institute of Scientific and Industrial Research, Osaka University, 8-1 Mihogaoka, Ibaraki 567-0047, Japan 4 Health Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Hayashi-cho 2217-14, Takamatsu 761-0395, Japan
11	田淵 景子	Fabrication of ZnO nanowires embedded in microchannels toward efficient extracellular vesicles	○Keiko Tabuchi1,2, Takao Yasui1,2, He Yong3, Takeshi Yanagida3, Noritada Kaji1,2, Masaki Kanaei3, Kazuki Nagashima3, Tomoji Kawai3, Yoshinobu Baba1,2,4 1 Department of Applied Chemistry, Graduate School of Engineering, Nagoya University, Furo-cho, Chikusa-ku, Nagoya 464-8603, Japan 2 FIRST Research Center for Innovative Nanobiodevices, Nagoya University, Japan 3 Institute of Scientific and Industrial Research, Osaka University, 8-1 Mihogaoka, Ibaraki 567-0047, Japan 4 Health Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Hayashi-cho 2217-14, Takamatsu 761-0395, Japan
12	服部 篤紀	Microscopic imaging of DNA methylation sites at a single molecule level	○Atsunori Hattori1, 2, Takao Yasui1, 2, Noritada Kaji1, 2, Yoshinobu Baba1, 2, 3 1 Department of Applied Chemistry, Graduate School of Engineering, Nagoya University, Furo-cho, Chikusa-ku, Nagoya, 464-8603, Japan 2 FIRST Research Center for Innovative Nanobiodevices, Nagoya University, Japan 3 Health Research Institute, National Institute of Advanced Industrial Science and Technology(AIST), Hayashi-cho 2217-14, Takamatsu 761-0395,Japan
13	伊藤 詩織	Microchamber array devices for gene expression analysis at a single cell level	○Shiori Itoi1, 2, Takao Yasui1, 2, Noritada Kaji1, 2, Yoshinobu Baba1, 2, 3 1 Department of Applied Chemistry, School of Engineering, Nagoya University, Furo-cho, Chikusa-ku, Nagoya, 464-8603, Japan 2 FIRST Research Center for Innovative Nanobiodevices, Nagoya University, Japan 3 Health Research Institute, National Institute of Advanced Industrial Science and Technology(AIST), Hayashi-cho 2217-14, Takamatsu 761-0395,Japan
14	嶋田 泰佑	Imaging Stem Cells labeled by nanoparticles in the ultra-long-wavelength Near-Infrared-Region	○Taisuke Shimada1,Hiroshi Yukawa2,Daisuke Onoshima3,Hirohiko Nioka4, Yumi Hayashi5,Tetsuya Ishikawa5, Yoshinobu Baba1, 2, 6 1 Department of Applied Chemistry, School of Engineering, Nagoya University, Japan 2 FIRST Research Center for Innovative Nanobiodevices, Nagoya University, Japan 3 Institute of Innovation for Future Society, Nagoya University, Japan 4 Graduate School of Engineering Science, Osaka University, Japan 5 Graduate School of Medicine, Nagoya University, Japan 6 Health Research Institute, National Institute of Advanced Industrial Science and Technology(AIST), Japan
15	成瀬麗奈	Stem cell multimodal imaging by using quantum and magnetic nano-hybrid particles	○Reina Naruse1,Hiroshi Yukawa2,Daisuke Onoshima3,Tetsuya Ishikawa4, Yoshinobu Baba1, 2, 5 1 Department of Applied Chemistry, School of Engineering, Nagoya University,Japan 2 FIRST Research Center for Innovative Nanobiodevices, Nagoya University, Japan 3 Institute of Innovation for Future Society, Nagoya University, Japan 4 Graduate School of Medicine, Nagoya University, Japan 5 Health Research Institute, National Institute of Advanced Industrial Science and Technology(AIST), Japan