# Yutaka Kazoe

List of Publications by Year
in descending order



| 62 | 1,760 | 304743 22 | 276875 41 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 64 | 64 | 64 | 2108 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Photocatalytic generation of hydrogen by core-shell WO3/BiVO4 nanorods with ultimate water splitting efficiency. Scientific Reports, 2015, 5, 11141. | 3.3 | 464 |
| 2 | Extended-Nanofluidics: Fundamental Technologies, Unique Liquid Properties, and Application in Chemical and Bio Analysis Methods and Devices. Analytical Chemistry, 2014, 86, 4068-4077. | 6.5 | 108 |
| 3 | Viscosity and Wetting Property of Water Confined in Extended Nanospace Simultaneously Measured from Highly-Pressurized Meniscus Motion. Journal of Physical Chemistry Letters, 2012, 3, 2447-2452. | 4.6 | 94 |
| 4 | Enhancement of Proton Mobility in Extendedâ€Nanospace Channels. Angewandte Chemie - International Edition, 2012, 51, 3573-3577. | 13.8 | 67 |
| 5 | Three-dimensional spheroid-forming lab-on-a-chip using micro-rotational flow. Sensors and Actuators B: Chemical, 2010, 147, 359-365. | 7.8 | 51 |
| 6 | Development of a Measurement Technique for Ion Distribution in an Extended Nanochannel by Super-Resolution-Laser-Induced Fluorescence. Analytical Chemistry, 2011, 83, 8152-8157. | 6.5 | 51 |
| 7 | Contribution of Soluble Forms of Programmed Death 1 and Programmed Death Ligand 2 to Disease Severity and Progression in Systemic Sclerosis. Arthritis and Rheumatology, 2017, 69, 1879-1890. | 5.6 | 47 |
| 8 | Microflow Systems for Chemical Synthesis and Analysis: Approaches to Full Integration of Chemical Process. Journal of Flow Chemistry, 2012, 1, 3-12. | 1.9 | 43 |
| 9 | Evanescent Wave-Based Particle Tracking Velocimetry for Nanochannel Flows. Analytical Chemistry, 2013, 85, 10780-10786. | 6.5 | 43 |
| 10 | Experimental Study of the Effect of External Electric Fields on Interfacial Dynamics of Colloidal Particles. Langmuir, 2011, 27, 11481-11488. | 3.5 | 39 |
| 11 | Cytokine analysis on a countable number of molecules from living single cells on nanofluidic devices. Analyst, The, 2019, 144, 7200-7208. | 3.5 | 39 |
| 12 | Measurements of the near-wall hindered diffusion of colloidal particles in the presence of an electric field. Applied Physics Letters, 2011, 99, . | 3.3 | 38 |
| 13 | Interleukin-31 promotes fibrosis and T helper 2 polarization in systemic sclerosis. Nature Communications, 2021, 12, 5947. | 12.8 | 38 |
| 14 | Dielectric Constant of Liquids Confined in the Extended Nanospace Measured by a Streaming Potential Method. Analytical Chemistry, 2015, 87, 1475-1479. | 6.5 | 37 |
| 15 | Waterâ€vapor permeability control of PDMS by the dispersion of collagen powder. IEEJ Transactions on Electrical and Electronic Engineering, 2009, 4, 442-449. | 1.4 | 34 |
| 16 | Femtoliter nanofluidic valve utilizing glass deformation. Lab on A Chip, 2019, 19, 1686-1694. | 6.0 | 34 |
| 17 | Single-cell-level protein analysis revealing the roles of autoantigen-reactive B lymphocytes in autoimmune disease and the murine model. ELife, 2021, 10, . | 6.0 | 32 |
| 18 | Numerical Simulation of Proton Distribution with Electric Double Layer in Extended Nanospaces. Analytical Chemistry, 2013, 85, 4468-4474. | 6.5 | 30 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Advanced Top-Down Fabrication for a Fused Silica Nanofluidic Device. Micromachines, 2020, 11, 995. | 2.9 | 30 |
| 20 | Effect of Ion Motion on Zeta-Potential Distribution at Microchannel Wall Obtained from Nanoscale Laser-Induced Fluorescence. Analytical Chemistry, 2007, 79, 6727-6733. | 6.5 | 28 |
| 21 | An active valve incorporated into a microchip using a high strain electroactive polymer. Sensors and Actuators B: Chemical, 2013, 184, 163-169. | 7.8 | 27 |
| 22 | From Extended Nanofluidics to an Autonomous Solarâ€Lightâ€Driven Micro Fuelâ€Cell Device. Angewandte Chemie - International Edition, 2017, 56, 8130-8133. | 13.8 | 25 |
| 23 | Highly efficient photocatalytic conversion of solar energy to hydrogen by WO3/BiVO4 coreâ€“shell heterojunction nanorods. Applied Nanoscience (Switzerland), 2019, 9, 1017-1024. | 3.1 | 24 |
| 24 | Behavior of Nanoparticles in Extended Nanospace Measured by Evanescent Wave-Based Particle Velocimetry. Analytical Chemistry, 2015, 87, 4087-4091. | 6.5 | 22 |
| 25 | Shift of isoelectric point in extended nanospace investigated by streaming current measurement. Applied Physics Letters, 2011, 99, 123115. | 3.3 | 21 |
| 26 | B Cell Depletion Inhibits Fibrosis via Suppression of Profibrotic Macrophage Differentiation in a Mouse Model of Systemic Sclerosis. Arthritis and Rheumatology, 2021, 73, 2086-2095. | 5.6 | 17 |
| 27 | Parallel multiphase nanofluidics utilizing nanochannels with partial hydrophobic surface modification and application to femtoliter solvent extraction. Lab on A Chip, 2019, 19, 3844-3852. | 6.0 | 16 |
| 28 | A Simple Low-Temperature Glass Bonding Process with Surface Activation by Oxygen Plasma for Micro/Nanofluidic Devices. Micromachines, 2020, 11, 804. | 2.9 | 16 |
| 29 | Development of microfluidic droplet shooter and its application to interface for mass spectrometry. Sensors and Actuators B: Chemical, 2021, 340, 129957. | 7.8 | 15 |
| 30 | Femtoliter Volumetric Pipette and Flask Utilizing Nanofluidics. Analyst, The, 2020, 145, 2669-2675. | 3.5 | 14 |
| 31 | Femtoliter-Droplet Mass Spectrometry Interface Utilizing Nanofluidics for Ultrasmall and High-Sensitivity Analysis. Analytical Chemistry, 2022, 94, 10074-10081. | 6.5 | 13 |
| 32 | Fluorescence imaging technique of surface electrostatic potential using evanescent wave illumination. Applied Physics Letters, 2009, 95, . | 3.3 | 12 |
| 33 | Evanescent Wave-Based Flow Diagnostics. Journal of Fluids Engineering, Transactions of the ASME, 2013, 135, . | 1.5 | 11 |
| 34 | Accelerated protein digestion and separation with picoliter volume utilizing nanofluidics. Lab on A Chip, 2022, 22, 1162-1170. | 6.0 | 11 |
| 35 | Micro heat pipe device utilizing extended nanofluidics. RSC Advances, 2017, 7, 50591-50597. | 3.6 | 10 |
| 36 | Enzyme-linked immunosorbent assay utilizing thin-layered microfluidics. Analyst, The, 2019, 144, 6625-6634. | 3.5 | 10 |

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|---|---|---|---|
| 37 | Implementation of a nanochannel open/close valve into a glass nanofluidic device. Microfluidics and Nanofluidics, 2020, 24, 1. | 2.2 | 10 |
| 38 | Lipid Bilayer-Modified Nanofluidic Channels of Sizes with Hundreds of Nanometers for Characterization of Confined Water and Molecular/Ion Transport. Journal of Physical Chemistry Letters, 2020, 11, 5756-5762. | 4.6 | 10 |
| 39 | From Extended Nanofluidics to an Autonomous Solarâ€Lightâ€Driven Micro Fuelâ€Cell Device. Angewandte Chemie, 2017, 129, 8242-8245. | 2.0 | 9 |
| 40 | Rapid alteration of serum interleukinâ€6 levels may predict the reactivity of i.v. cyclophosphamide pulse therapy in systemic sclerosisâ€associated interstitial lung disease. Journal of Dermatology, 2018, 45, 1221-1224. | 1.2 | 8 |
| 41 | Dry etching and low-temperature direct bonding process of lithium niobate wafer for fabricating micro/nano channel device. , 2017, , . | | 6 |
| 42 | Transport of a Micro Liquid Plug in a Gas-Phase Flow in a Microchannel. Micromachines, 2018, 9, 423. | 2.9 | 5 |
| 43 | Generation of femtoliter liquid droplets in gas phase by microfluidic droplet shooter. Microfluidics and Nanofluidics, 2021, 25, 1. | 2.2 | 5 |
| 44 | Characterization of pressure-driven water flows in nanofluidic channels by mass flowmetry. Analytical Sciences, 2022, 38, 281-287. | 1.6 | 5 |
| 45 | Picoliter liquid handling at gas/liquid interface by surface and geometry control in a micro-nanofluidic device. Journal of Micromechanics and Microengineering, 2022, 32, 024001. | 2.6 | 5 |
| 46 | Measurement of Zeta-Potential at Microchannel Wall by a Nanoscale Laser Induced Fluorescence Imaging. Journal of Fluid Science and Technology, 2007, 2, 429-440. | 0.6 | 4 |
| 47 | High-Pressure Acceleration of Nanoliter Droplets in the Gas Phase in a Microchannel. Micromachines, 2016, 7, 142. | 2.9 | 4 |
| 48 | Time resolution effect on the apparent particle dynamics confined in a nanochannel evaluated by the single particle tracking subject to Brownian motion. Microfluidics and Nanofluidics, 2018, 22, 1. | 2.2 | 4 |
| 49 | Super-Resolution Defocusing Nanoparticle Image Velocimetry Utilizing Spherical Aberration for Nanochannel Flows. Analytical Chemistry, 2021, 93, 13260-13267. | 6.5 | 4 |
| 50 | Reply to Comment on â€œDevelopment of Measurement Technique for Ion Distribution in Extended Nanochannel by Super Resolution-Laser Induced Fluorescenceâ€• Analytical Chemistry, 2012, 84, 10855-10855. | 6.5 | 3 |
| 51 | Micro and Extended-Nano Fluidics and Optics for Chemical and Bioanalytical Technology. Nano-optics and Nanophotonics, 2013, , 121-164. | 0.2 | 3 |
| 52 | Combined Laser-Based Measurements for Micro- and Nanoscale Transport Phenomena. Heat Transfer Engineering, 2014, 35, 125-141. | 1.9 | 2 |
| 53 | Advances in Nanofluidics. Micromachines, 2021, 12, 427. | 2.9 | 2 |
| 54 | Motion of submicrometer particles in micrometer-size channel measured by defocusing nano-particle image velocimetry. Journal of Applied Physics, 2022, 131, . | 2.5 | 2 |

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|---|---|---|---|
| 55 | Time-Series Velocity Measurements of Electroosmotic Flows with Nonuniform Zeta-Potential Using Evanescent Wave and Volume Illumination(Fluids Engineering). 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2010, 76, 1455-1463. | 0.2 | 1 |
| 56 | Particle-wall interactions in micro/nanofluidics. , 2012, , . | | 1 |
| 57 | InnenrÃ¼cktitelbild: Enhancement of Proton Mobility in Extended-Nanospace Channels (Angew. Chem.) Tj ETQq1 1 0.784314 rgBT /Ov | 2.0 | 1 |
| 58 | Single B cell analysis can reveal distinct cytokine profile of autoreactive B cells in systemic sclerosis. Journal of Dermatological Science, 2017, 86, e7-e8. | 1.9 | 1 |
| 59 | Ferroelectric Extended Nanofluidic Channels for Roomâ€Temperature Microfuel Cells. Advanced Materials Technologies, 2019, 4, 1900252. | 5.8 | 1 |
| 60 | Picoliter liquid operations in nanofluidic channel utilizing an open/close valve with nanoscale curved structure mimicking glass deflection. Journal of Micromechanics and Microengineering, 2022, 32, 055009. | 2.6 | 1 |
| 61 | Inside Back Cover: Enhancement of Proton Mobility in Extendedâ€Nanospace Channels (Angew. Chem. Int.) Tj ETQq1 1 0.784314 rgBT | 13.8 | 0 |
| 62 | Stable Formation of aqueous/organic parallel two-phase flow in nanochannels with partial surface modification. Analytical Sciences, 2021, 37, 1611-1616. | 1.6 | 0 |