

Hirohito Yamazaki

List of Publications by Year in descending order

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16
papers

954
citations

1040056

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996975

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17
all docs

17
docs citations

17
times ranked

992
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Solid-state nanopore sensors. <i>Nature Reviews Materials</i> , 2020, 5, 931-951. | 48.7 | 335 |
| 2 | Nanopore-Based Measurements of Protein Size, Fluctuations, and Conformational Changes. <i>ACS Nano</i> , 2017, 11, 5706-5716. | 14.6 | 219 |
| 3 | Plasmonic Nanopores for Single-Molecule Detection and Manipulation: Toward Sequencing Applications. <i>Nano Letters</i> , 2019, 19, 7553-7562. | 9.1 | 118 |
| 4 | Differential Enzyme Flexibility Probed Using Solid-State Nanopores. <i>ACS Nano</i> , 2018, 12, 4494-4502. | 14.6 | 83 |
| 5 | Photothermally Assisted Thinning of Silicon Nitride Membranes for Ultrathin Asymmetric Nanopores. <i>ACS Nano</i> , 2018, 12, 12472-12481. | 14.6 | 63 |
| 6 | Label-Free Single-Molecule Thermoscopy Using a Laser-Heated Nanopore. <i>Nano Letters</i> , 2017, 17, 7067-7074. | 9.1 | 37 |
| 7 | Electrical unfolding of cytochrome <i>c</i> during translocation through a nanopore constriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 7.1 | 29 |
| 8 | Optical detection of DNA translocation through silicon nanopore by ultraviolet light. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 53-56. | 2.3 | 20 |
| 9 | Rosette Nanotube Porins as Ion Selective Transporters and Single-Molecule Sensors. <i>Journal of the American Chemical Society</i> , 2020, 142, 1680-1685. | 13.7 | 19 |
| 10 | Optical observation of DNA motion during and immediately after nanopore translocation. <i>Applied Physics Express</i> , 2016, 9, 017001. | 2.4 | 8 |
| 11 | Electro-osmotic trapping and compression of single DNA molecules while passing through a nanopore. <i>Analyst</i> , 2019, 144, 5381-5388. | 3.5 | 7 |
| 12 | Salt dependence of DNA translocation dynamics through silicon nanopores detected by ultraviolet excitation. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1. | 2.3 | 4 |
| 13 | Optical observation of DNA translocation through Al ₂ O ₃ sputtered silicon nanopores in porous membrane. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1. | 2.3 | 4 |
| 14 | A 150 nm ultraviolet excitation volume on a porous silicon membrane for direct optical observation of DNA coil relaxation during capture into nanopores. <i>Nano Futures</i> , 2017, 1, 011001. | 2.2 | 4 |
| 15 | Optical observation of DNA translocation dynamics through solid-state nanopores. , 2015, , . | | 0 |
| 16 | Silicon Nanopore Detection of Single DNA Molecules by Ultraviolet Excitation. <i>The Review of Laser Engineering</i> , 2015, 43, 689. | 0.0 | 0 |