

# Hirohito Yamazaki

## List of Publications by Year in descending order

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16  
papers

954  
citations

1040056

9  
h-index

996975

15  
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17  
all docs

17  
docs citations

17  
times ranked

992  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Solid-state nanopore sensors. <i>Nature Reviews Materials</i> , 2020, 5, 931-951.	48.7	335
4	Electro-osmotic trapping and compression of single DNA molecules while passing through a nanopore. <i>Analyst</i> , 2019, 144, 5381-5388.	3.5	7
5	Plasmonic Nanopores for Single-Molecule Detection and Manipulation: Toward Sequencing Applications. <i>Nano Letters</i> , 2019, 19, 7553-7562.	9.1	118
6	Differential Enzyme Flexibility Probed Using Solid-State Nanopores. <i>ACS Nano</i> , 2018, 12, 4494-4502.	14.6	83
7	Photothermally Assisted Thinning of Silicon Nitride Membranes for Ultrathin Asymmetric Nanopores. <i>ACS Nano</i> , 2018, 12, 12472-12481.	14.6	63
8	Nanopore-Based Measurements of Protein Size, Fluctuations, and Conformational Changes. <i>ACS Nano</i> , 2017, 11, 5706-5716.	14.6	219
9	Label-Free Single-Molecule Thermoscopy Using a Laser-Heated Nanopore. <i>Nano Letters</i> , 2017, 17, 7067-7074.	9.1	37
10	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
11	Optical observation of DNA motion during and immediately after nanopore translocation. <i>Applied Physics Express</i> , 2016, 9, 017001.	2.4	8
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 <sub>2</sub> O <sub>3</sub> sputtered silicon nanopores in porous membrane. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	4
14	Optical observation of DNA translocation dynamics through solid-state nanopores. , 2015, , .		0
15	Silicon Nanopore Detection of Single DNA Molecules by Ultraviolet Excitation. <i>The Review of Laser Engineering</i> , 2015, 43, 689.	0.0	0
16	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