

# Iong Ying Loh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8713980/publications.pdf>

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docs citations

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citing authors

#	ARTICLE	IF	CITATIONS
1	From Bistate Molecular Switches to Self-Directed Track-Walking Nanomotors. ACS Nano, 2014, 8, 10293-10304.	14.6	59
2	Biomimetic Autonomous Enzymatic Nanowalker of High Fuel Efficiency. ACS Nano, 2016, 10, 5882-5890.	14.6	44
3	Autonomous Synergic Control of Nanomotors. ACS Nano, 2014, 8, 1792-1803.	14.6	42
4	A DNA bipedal nanowalker with a piston-like expulsion stroke. Nanoscale, 2017, 9, 12142-12149.	5.6	31
5	A bioinspired design principle for DNA nanomotors: Mechanics-mediated symmetry breaking and experimental demonstration. Methods, 2014, 67, 227-233.	3.8	27
6	Track-walking molecular motors: a new generation beyond bridge-burning designs. Nanoscale, 2019, 11, 9240-9263.	5.6	26
7	Inchworm bipedal nanowalker. Nanoscale, 2018, 10, 9199-9211.	5.6	20
8	Mechanical-Kinetic Modeling of a Molecular Walker from a Modular Design Principle. Physical Review Applied, 2017, 7, .	3.8	15
9	Single-molecule mechanical study of an autonomous artificial translational molecular motor beyond bridge-burning design. Nanoscale, 2021, 13, 13195-13207.	5.6	12
10	Mechanosensing Potentials Gate Fuel Consumption in a Bipedal DNA Nanowalker. Physical Review Applied, 2018, 9, .	3.8	9
11	A high-fidelity light-powered nanomotor from a chemically fueled counterpart <i>via</i> site-specific optomechanical fuel control. Nanoscale, 2022, 14, 5899-5914.	5.6	4