

# Jing Xu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6167779/publications.pdf>

Version: 2024-02-01

19  
papers

1,414  
citations

623734

14  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1543  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Tuning ensemble-averaged cargo run length via fractional change in mean kinesin number. <i>Physical Biology</i> , 2021, 18, 046004.  | 1.8  | 3         |
| 2  | Cargo diffusion shortens single-kinesin runs at low viscous drag. <i>Scientific Reports</i> , 2019, 9, 4104.   | 3.3  | 7         |
| 3  | A fluid membrane enhances the velocity of cargo transport by small teams of kinesin-1. <i>Journal of Chemical Physics</i> , 2018, 148, 123318.   | 3.0  | 23        |
| 4  | Single Molecule Investigation of Kinesin-1 Motility Using Engineered Microtubule Defects. <i>Scientific Reports</i> , 2017, 7, 44290.  | 3.3  | 28        |
| 5  | Heterogeneity in kinesin function. <i>Traffic</i> , 2017, 18, 658-671.   | 2.7  | 13        |
| 6  | Native kinesin-1 does not bind preferentially to GTP-tubulin-rich microtubules in vitro. <i>Cytoskeleton</i> , 2017, 74, 356-366.  | 2.0  | 8         |
| 7  | Microtubule Defects Influence Kinesin-Based Transport In Vitro. <i>Biophysical Journal</i> , 2016, 110, 2229-2240.   | 0.5  | 34        |
| 8  | Quantitative Determination of the Probability of Multiple-Motor Transport in Bead-Based Assays. <i>Biophysical Journal</i> , 2016, 110, 2720-2728.   | 0.5  | 24        |
| 9  | Cooperative protofilament switching emerges from inter-motor interference in multiple-motor transport. <i>Scientific Reports</i> , 2015, 4, 7255.  | 3.3  | 12        |
| 10 | Interplay between Velocity and Travel Distance of Kinesin-based Transport in the Presence of Tau. <i>Biophysical Journal</i> , 2013, 105, L23-L25.   | 0.5  | 27        |
| 11 | Casein kinase 2 reverses tail-independent inactivation of kinesin-1. <i>Nature Communications</i> , 2012, 3, 754.  | 12.8 | 33        |
| 12 | Tuning Multiple Motor Travel via Single Motor Velocity. <i>Traffic</i> , 2012, 13, 1198-1205.  | 2.7  | 62        |
| 13 | Mechanical stochastic tug-of-war models cannot explain bidirectional lipid-droplet transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18960-18965. | 7.1  | 174       |
| 14 | A cytoplasmic dynein tail mutation impairs motor processivity. <i>Nature Cell Biology</i> , 2010, 12, 1228-1234.   | 10.3 | 154       |
| 15 | Stepping, Strain Gating, and an Unexpected Force-Velocity Curve for Multiple-Motor-Based Transport. <i>Current Biology</i> , 2008, 18, 1173-1183.  | 3.9  | 158       |
| 16 | Consequences of Motor Copy Number on the Intracellular Transport of Kinesin-1-Driven Lipid Droplets. <i>Cell</i> , 2008, 135, 1098-1107.   | 28.9 | 320       |
| 17 | Absorption spectra of liquid water and aqueous buffers between 0.3 and 3.72THz. <i>Journal of Chemical Physics</i> , 2006, 124, 036101.  | 3.0  | 84        |
| 18 | Probing the collective vibrational dynamics of a protein in liquid water by terahertz absorption spectroscopy. <i>Protein Science</i> , 2006, 15, 1175-1181.   | 7.6  | 188       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Terahertz Circular Dichroism Spectroscopy: A Potential Approach to the In Situ Detection of Life's Metabolic and Genetic Machinery. <i>Astrobiology</i> , 2003, 3, 489-504. | 3.0 | 61        |