Hongda Wang

List of Publications by Year
in descending order

51	1,183	430874 18	414414 32
papers	citations	h-index	g-index

53	53	53	1570
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The structure and function of cell membranes examined by atomic force microscopy and single-molecule force spectroscopy. Chemical Society Reviews, 2015, 44, 3617-3638.	38.1	131
2	Regulation of EGFR nanocluster formation by ionic protein-lipid interaction. Cell Research, 2014, 24, 959-976.	12.0	109
3	Mechanistic insights into EGFR membrane clustering revealed by super-resolution imaging. Nanoscale, 2015, 7, 2511-2519.	5.6	78
4	Direct Evidence of Lipid Rafts by in situ Atomic Force Microscopy. Small, 2012, 8, 1243-1250.	10.0	65
5	Mechanistic insights into GLUT1 activation and clustering revealed by super-resolution imaging. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7033-7038.	7.1	56
6	A graphene oxide based biosensor for microcystins detection by fluorescence resonance energy transfer. Biosensors and Bioelectronics, 2012, 38, 31-36.	10.1	51
7	Localization of Na⁺â^'K⁺ ATPases in Quasi-Native Cell Membranes. Nano Letters, 2009, 9, 4489-4493.	9.1	47
8	Preparation of cell membranes for high resolution imaging by AFM. Ultramicroscopy, 2010, 110, 305-312.	1.9	46
9	A DNA Molecular Robot that Autonomously Walks on the Cell Membrane to Drive Cell Motility. Angewandte Chemie - International Edition, 2021, 60, 26087-26095.	13.8	46
10	Variation in Carbohydrates between Cancer and Normal Cell Membranes Revealed by Superâ€Resolution Fluorescence Imaging. Advanced Science, 2016, 3, 1600270.	11.2	42
11	Mechanical force regulation of YAP by F-actin and GPCR revealed by super-resolution imaging. Nanoscale, 2020, 12, 2703-2714.	5.6	34
12	Studying the Nucleated Mammalian Cell Membrane by Single Molecule Approaches. PLoS ONE, 2014, 9, e91595.	2.5	31
13	Revealing the carbohydrate pattern on a cell surface by super-resolution imaging. Nanoscale, 2015, 7, 3373-3380.	5.6	29
14	Ultrafast Tracking of a Single Live Virion During the Invagination of a Cell Membrane. Small, 2015, 11, 2782-2788.	10.0	27
15	The Process of Wrapping Virus Revealed by a Force Tracing Technique and Simulations. Advanced Science, 2017, 4, 1600489.	11.2	24
16	Quantitatively Mapping the Assembly Pattern of EpCAM on Cell Membranes with Peptide Probes. Analytical Chemistry, 2020, 92, 1865-1873.	6.5	24
17	High resolution imaging of mitochondrial membranes by in situ atomic force microscopy. RSC Advances, 2013, 3, 708-712.	3.6	21
18	The Asymmetrical Structure of Golgi Apparatus Membranes Revealed by In situ Atomic Force Microscope. PLoS ONE, 2013, 8, e61596.	2.5	20

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19	Using an RNA aptamer probe for super-resolution imaging of native EGFR. Nanoscale Advances, 2019, 1, 291-298.	4.6	19
20	Probing the Proteomics Dark Regions by VAILase Cleavage at Aliphatic Amino Acids. Analytical Chemistry, 2020, 92, 2770-2777.	6.5	19
21	Entry Dynamics of Single Ebola Virus Revealed by Force Tracing. ACS Nano, 2020, 14, 7046-7054.	14.6	19
22	Aptamer-recognized carbohydrates on the cell membrane revealed by super-resolution microscopy. Nanoscale, 2018, 10, 7457-7464.	5.6	18
23	Systemic localization of seven major types of carbohydrates on cell membranes by dSTORM imaging. Scientific Reports, 2016, 6, 30247.	3.3	17
24	Cell contact and pressure control of YAP localization and clustering revealed by super-resolution imaging. Nanoscale, 2017, 9, 16993-17003.	5.6	16
25	Aptamer AS1411 utilized for super-resolution imaging of nucleolin. Talanta, 2020, 217, 121037.	5.5	16
26	Organization of Protein Tyrosine Kinase-7 on Cell Membranes Characterized by Aptamer Probe-Based STORM Imaging. Analytical Chemistry, 2021, 93, 936-945.	6.5	16
27	Studying the dynamic mechanism of transporting a single drug carrier-polyamidoamine dendrimer through cell membranes by force tracing. Nanoscale, 2016, 8, 18027-18031.	5.6	15
28	Single glucose molecule transport process revealed by force tracing and molecular dynamics simulations. Nanoscale Horizons, 2018, 3, 517-524.	8.0	14
29	Development of small molecule inhibitor-based fluorescent probes for highly specific super-resolution imaging. Nanoscale, 2020, 12, 21591-21598.	5.6	13
30	Spatiotemporal Tracing of the Cellular Internalization Process of Rod-Shaped Nanostructures. ACS Nano, 2022, 16, 4059-4071.	14.6	12
31	Mechanistic insights into the distribution of carbohydrate clusters on cell membranes revealed by dSTORM imaging. Nanoscale, 2016, 8, 13611-13619.	5.6	11
32	Developing substrate-based small molecule fluorescent probes for super-resolution fluorescent imaging of various membrane transporters. Nanoscale Horizons, 2020, 5, 523-529.	8.0	11
33	Correlative dual-color dSTORM/AFM reveals protein clusters at the cytoplasmic side of human bronchial epithelium membranes. Nanoscale, 2020, 12, 9950-9957.	5.6	11
34	Super-resolution imaging of cancer-associated carbohydrates using aptamer probes. Nanoscale, 2019, 11, 14879-14886.	5.6	10
35	A DNA Molecular Robot that Autonomously Walks on the Cell Membrane to Drive Cell Motility. Angewandte Chemie, 2021, 133, 26291-26299.	2.0	7
36	Identifying a Membrane-Type 2 Matrix Metalloproteinase-Targeting Peptide for Human Lung Cancer Detection and Targeting Chemotherapy with Functionalized Mesoporous Silica. ACS Applied Bio Materials, 2019, 2, 397-405.	4.6	6

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37	Variation of Trop2 on non-small-cell lung cancer and normal cell membranes revealed by super-resolution fluorescence imaging. Talanta, 2020, 207, 120312.	5.5	6
38	Structural Mechanism Analysis of Orderly and Efficient Vesicle Transport by High-Resolution Imaging and Fluorescence Tracking. Analytical Chemistry, 2020, 92, 6555-6563.	6.5	6
39	Revealing the Cell Entry Dynamic Mechanism of Single Rabies Virus Particle. Chemical Research in Chinese Universities, 2022, 38, 838-842.	2.6	6
40	The structural characteristics of mononuclear-macrophage membrane observed by atomic force microscopy. Journal of Structural Biology, 2019, 206, 314-321.	2.8	5
41	Insight into the Different Channel Proteins of Human Red Blood Cell Membranes Revealed by Combined dSTORM and AFM Techniques. Analytical Chemistry, 2021, 93, 14113-14120.	6.5	5
42	Correlative dual-alternating-color photoswitching fluorescence imaging and AFM enable ultrastructural analyses of complex structures with nanoscale resolution. Nanoscale, 2020, 12, 17203-17212.	5.6	4
43	Quantitatively mapping the interaction of HER2 and EGFR on cell membranes with peptide probes. Nanoscale, 2021, 13, 17629-17637.	5.6	4
44	Mechanistic Insights into Trop2 Clustering on Lung Cancer Cell Membranes Revealed by Super-resolution Imaging. ACS Omega, 2020, 5, 32456-32465.	3.5	4
45	Membrane protein density determining membrane fusion revealed by dynamic fluorescence imaging. Talanta, 2021, 226, 122091.	5.5	3
46	Conventional Molecular and Novel Structural Mechanistic Insights into Orderly Organelle Interactions. Chemical Research in Chinese Universities, 2021, 37, 829-839.	2.6	3
47	Application of an inhibitor-based probe to reveal the distribution of membrane PSMA in dSTORM imaging. Chemical Communications, 2020, 56, 13241-13244.	4.1	2
48	A multidrug-resistant P-glycoprotein assembly revealed by tariquidar-probe's super-resolution imaging. Nanoscale, 2021, 13, 16995-17002.	5.6	2
49	Spatiotemporal tracking of the transport of RNA nano-drugs: from transmembrane to intracellular delivery. Nanoscale, 2022, 14, 8919-8928.	5.6	1
50	Turn-On Assay for HIV-1 Protease Inhibitor Selection. ACS Applied Bio Materials, 2020, 3, 7706-7711.	4.6	0
51	Single-molecule Force Microscopy: A Powerful Tool for Studying the Mechanical Properties of Cell Membranes. Current Analytical Chemistry, 2021, 17, .	1.2	0