Jing Gao

List of Publications by Citations

73 papers	1,102 citations	20 h-index	30 g-index
76 ext. papers	1,428 ext. citations	8 avg, IF	4.53 L-index

#	Paper	IF	Citations
73	The structure and function of cell membranes examined by atomic force microscopy and single-molecule force spectroscopy. *Chemical Society Reviews*, **2015**, 44, 3617-38	58.5	100
72	Size-dependent endocytosis of single gold nanoparticles. *Chemical Communications*, **2011**, 47, 8091-3	5.8	78
71	Regulation of EGFR nanocluster formation by ionic protein-lipid interaction. *Cell Research*, **2014**, 24, 959-76	24.7	77
70	Mechanistic insights into EGFR membrane clustering revealed by super-resolution imaging. *Nanoscale*, **2015**, 7, 2511-9	7.7	63
69	Cyano-substituted perylene diimides with linearly correlated LUMO levels. *Organic Letters*, **2014**, 16, 394-7	6.2	54
68	Cryo-EM structure of full-length α-synuclein amyloid fibril with Parkinson's disease familial A53T mutation. *Cell Research*, **2020**, 30, 360-362	24.7	39
67	Synthesis and properties of naphthobisbenzothiophene diimides. *Organic Letters*, **2013**, 15, 1366-9	6.2	35
66	Recording force events of single quantum-dot endocytosis. *Chemical Communications*, **2011**, 47, 3377-9	5.8	30
65	Variation in Carbohydrates between Cancer and Normal Cell Membranes Revealed by Super-Resolution Fluorescence Imaging. *Advanced Science*, **2016**, 3, 1600270	13.6	27
64	Revealing the carbohydrate pattern on a cell surface by super-resolution imaging. *Nanoscale*, **2015**, 7, 3373-80	7.7	26
63	Progress in the Correlative Atomic Force Microscopy and Optical Microscopy. *Sensors*, **2017**, 17,	3.8	25
62	Studying the nucleated mammalian cell membrane by single molecule approaches. *PLoS ONE*, **2014**, 9, e91595	3.7	25
61	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	11.5	24
60	A single-molecule force spectroscopy study of the interactions between lectins and carbohydrates on cancer and normal cells. *Nanoscale*, **2013**, 5, 3226-9	7.7	24
59	Ultrafast Tracking of a Single Live Virion During the Invagination of a Cell Membrane. *Small*, **2015**, 11, 2782-8	11	22
58	Real-time Imaging of Rabies Virus Entry into Living Vero cells. *Scientific Reports*, **2015**, 5, 11753	4.9	22
57	Recording the dynamic endocytosis of single gold nanoparticles by AFM-based force tracing. *Nanoscale*, **2015**, 7, 7545-9	7.7	22

56	The structure and function of cell membranes studied by atomic force microscopy. *Seminars in Cell and Developmental Biology*, **2018**, 73, 31-44	7.5	22
55	Inhibition of intrinsic coagulation improves safety and tumor-targeted drug delivery of cationic solid lipid nanoparticles. *Biomaterials*, **2018**, 156, 77-87	15.6	22
54	High-efficiency localization of Na(+)-K(+) ATPases on the cytoplasmic side by direct stochastic optical reconstruction microscopy. *Nanoscale*, **2013**, 5, 11582-6	7.7	20
53	The study of single anticancer peptides interacting with HeLa cell membranes by single molecule force spectroscopy. *Nanoscale*, **2012**, 4, 1283-6	7.7	18
52	Super-resolution microscopy reveals the insulin-resistance-regulated reorganization of GLUT4 on plasma membranes. *Journal of Cell Science*, **2017**, 130, 396-405	5.3	16
51	The Process of Wrapping Virus Revealed by a Force Tracing Technique and Simulations. *Advanced Science*, **2017**, 4, 1600489	13.6	15
50	Mechanical force regulation of YAP by F-actin and GPCR revealed by super-resolution imaging. *Nanoscale*, **2020**, 12, 2703-2714	7.7	15
49	Using an RNA aptamer probe for super-resolution imaging of native EGFR. *Nanoscale Advances*, **2019**, 1, 291-298	5.1	15
48	Studying the dynamic mechanism of transporting a single drug carrier-polyamidoamine dendrimer through cell membranes by force tracing. *Nanoscale*, **2016**, 8, 18027-18031	7.7	14
47	Detection of carbohydrates on the surface of cancer and normal cells by topography and recognition imaging. *Chemical Communications*, **2013**, 49, 2980-2	5.8	13
46	Quantitatively Mapping the Assembly Pattern of EpCAM on Cell Membranes with Peptide Probes. *Analytical Chemistry*, **2020**, 92, 1865-1873	7.8	13
45	The role of CD47-SIRP immune checkpoint in tumor immune evasion and innate immunotherapy. *Life Sciences*, **2021**, 273, 119150	6.8	13
44	Single glucose molecule transport process revealed by force tracing and molecular dynamics simulations. *Nanoscale Horizons*, **2018**, 3, 517-524	10.8	12
43	Systemic localization of seven major types of carbohydrates on cell membranes by dSTORM imaging. *Scientific Reports*, **2016**, 6, 30247	4.9	12
42	Size-Independent Transmembrane Transporting of Single Tetrahedral DNA Nanostructures. *Global Challenges*, **2020**, 4, 1900075	4.3	12
41	Cell contact and pressure control of YAP localization and clustering revealed by super-resolution imaging. *Nanoscale*, **2017**, 9, 16993-17003	7.7	11
40	Aptamer-recognized carbohydrates on the cell membrane revealed by super-resolution microscopy. *Nanoscale*, **2018**, 10, 7457-7464	7.7	11
39	Studying the mechanism of CD47-SIRP interactions on red blood cells by single molecule force spectroscopy. *Nanoscale*, **2014**, 6, 9951-4	7.7	11

38	Ginsenoside PPDS Antitumor Effect via Down-Regulation of mTOR Revealed by Super-Resolution Imaging. *Molecules*, **2017**, 22,	4.8	9
37	Revealing the cellular localization of STAT1 during the cell cycle by super-resolution imaging. *Scientific Reports*, **2015**, 5, 9045	4.9	9
36	Aptamer AS1411 utilized for super-resolution imaging of nucleolin. *Talanta*, **2020**, 217, 121037	6.2	8
35	Mechanistic insights into the distribution of carbohydrate clusters on cell membranes revealed by dSTORM imaging. *Nanoscale*, **2016**, 8, 13611-9	7.7	8
34	The force of transporting a single amino acid into the living cell measured using atomic force microscopy. *Chemical Communications*, **2013**, 49, 8163-5	5.8	8
33	Measurement of mechanical properties of naked cell membranes using atomic force microscope puncture test. *Talanta*, **2020**, 210, 120637	6.2	8
32	Correlative dual-color dSTORM/AFM reveals protein clusters at the cytoplasmic side of human bronchial epithelium membranes. *Nanoscale*, **2020**, 12, 9950-9957	7.7	7
31	20(s)-Protopanaxadiol (PPD) increases the radiotherapy sensitivity of laryngeal carcinoma. *Food and Function*, **2017**, 8, 4469-4477	6.1	6
30	Exploring the trans-membrane dynamic mechanisms of single polyamidoamine nano-drugs a "force tracing" technique.. *RSC Advances*, **2018**, 8, 8626-8630	3.7	6
29	Enhanced dSTORM imaging using fluorophores interacting with cucurbituril. *Science China Chemistry*, **2016**, 59, 848-852	7.9	6
28	Super-resolution imaging of cancer-associated carbohydrates using aptamer probes. *Nanoscale*, **2019**, 11, 14879-14886	7.7	6
27	Development of small molecule inhibitor-based fluorescent probes for highly specific super-resolution imaging. *Nanoscale*, **2020**, 12, 21591-21598	7.7	6
26	A DNA Molecular Robot that Autonomously Walks on the Cell Membrane to Drive Cell Motility. *Angewandte Chemie - International Edition*, **2021**, 60, 26087-26095	16.4	6
25	Evaluating the efficacy of the anticancer drug cetuximab by atomic force microscopy.. *RSC Advances* , **2018**, 8, 21793-21797	3.7	5
24	Developing substrate-based small molecule fluorescent probes for super-resolution fluorescent imaging of various membrane transporters. *Nanoscale Horizons*, **2020**, 5, 523-529	10.8	5
23	Aging-associated changes in CD47 arrangement and interaction with thrombospondin-1 on red blood cells visualized by super-resolution imaging. *Aging Cell*, **2020**, 19, e13224	9.9	5
22	Clustered localization of STAT3 during the cell cycle detected by super-resolution fluorescence microscopy. *Methods and Applications in Fluorescence*, **2017**, 5, 024004	3.1	4
21	Structural Mechanism Analysis of Orderly and Efficient Vesicle Transport by High-Resolution Imaging and Fluorescence Tracking. *Analytical Chemistry*, **2020**, 92, 6555-6563	7.8	4

20	Organization of Protein Tyrosine Kinase-7 on Cell Membranes Characterized by Aptamer Probe-Based STORM Imaging. *Analytical Chemistry*, **2021**, 93, 936-945	7.8	4
19	Super-resolution imaging of STAT3 cellular clustering during nuclear transport. *RSC Advances*, **2016**, 6, 54597-54607	3.7	3
18	Nanoscale insights into full-length prion protein aggregation on model lipid membranes. *Chemical Communications*, **2016**, 52, 8533-6	5.8	3
17	The structural characteristics of mononuclear-macrophage membrane observed by atomic force microscopy. *Journal of Structural Biology*, **2019**, 206, 314-321	3.4	2
16	Aspirin Reshapes Acetylomes in Inflammatory and Cancer Cells via CoA-Dependent and CoA-Independent Pathways. *Journal of Proteome Research*, **2020**, 19, 962-972	5.6	2
15	Conventional Molecular and Novel Structural Mechanistic Insights into Orderly Organelle Interactions. *Chemical Research in Chinese Universities*, **2021**, 37, 829-839	2.2	2
14	The Mechanism of Nano-drug Delivery. *Current Pharmacology Reports*, **2019**, 5, 410-420	5.5	2
13	Variation of Trop2 on non-small-cell lung cancer and normal cell membranes revealed by super-resolution fluorescence imaging. *Talanta*, **2020**, 207, 120312	6.2	2
12	A multidrug-resistant P-glycoprotein assembly revealed by tariquidar-probe super-resolution imaging. *Nanoscale*, **2021**, 13, 16995-17002	7.7	2
11	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	7.8	1
10	Mechanistic Insights into Trop2 Clustering on Lung Cancer Cell Membranes Revealed by Super-resolution Imaging. *ACS Omega*, **2020**, 5, 32456-32465	3.9	1
9	Application of an inhibitor-based probe to reveal the distribution of membrane PSMA in dSTORM imaging. *Chemical Communications*, **2020**, 56, 13241-13244	5.8	1
8	Membrane protein density determining membrane fusion revealed by dynamic fluorescence imaging. *Talanta*, **2021**, 226, 122091	6.2	1
7	A DNA Molecular Robot that Autonomously Walks on the Cell Membrane to Drive Cell Motility. *Angewandte Chemie*, **2021**, 133, 26291	3.6	1
6	Pseudoginsengenin DQ exerts antitumour activity against hypopharyngeal cancer cells by targeting the HIF-1GLUT1 pathway. *Cancer Cell International*, **2021**, 21, 382	6.4	0
5	Quantitatively mapping the interaction of HER2 and EGFR on cell membranes with peptide probes. *Nanoscale*, **2021**, 13, 17629-17637	7.7	0
4	CDCP1: A promising diagnostic biomarker and therapeutic target for human cancer.. *Life Sciences*, **2022**, 301, 120600	6.8	0
3	Spatio-temporal tracking the transporting of RNA nano-drugs: from transmembrane to intracellular delivery. *Nanoscale*,	7.7	0