Jin Lu

List of Publications by Year
in descending order

34 papers	4,401 citations	471509 17 h-index	454955 30 g-index
43 all docs	43 docs citations	43 times ranked	6206 citing authors

#	Article	IF	Citations
1	Resolving the Three-Dimensional Rotational and Translational Dynamics of Single Molecules Using Radially and Azimuthally Polarized Fluorescence. Nano Letters, 2022, 22, 1024-1031.	9.1	16
2	Dipole-spread-function engineering for simultaneously measuring the 3D orientations and 3D positions of fluorescent molecules. Optica, 2022, 9, 505.	9.3	20
3	pixOL: pixel-wise point spread function engineering for measuring the 3D orientation and 3D location of dipole-like emitters. Microscopy and Microanalysis, 2021, 27, 858-862.	0.4	0
4	Imaging chemical environments and amyloid architectures using single-molecule orientation-localization microscopy. , 2021, , .		0
5	Singleâ€Molecule 3D Orientation Imaging Reveals Nanoscale Compositional Heterogeneity in Lipid Membranes. Angewandte Chemie, 2020, 132, 17725-17732.	2.0	2
6	RÃ¼cktitelbild: Singleâ€Molecule 3D Orientation Imaging Reveals Nanoscale Compositional Heterogeneity in Lipid Membranes (Angew. Chem. 40/2020). Angewandte Chemie, 2020, 132, 17912-17912.	2.0	0
7	Singleâ€Molecule 3D Orientation Imaging Reveals Nanoscale Compositional Heterogeneity in Lipid Membranes. Angewandte Chemie - International Edition, 2020, 59, 17572-17579.	13.8	36
8	Superresolution 3D Orientation Imaging Reveals Nanoscale Compositional Heterogeneity in Lipid Membranes. Biophysical Journal, 2020, 118, 21a.	0.5	0
9	Long-Term Super-Resolution Imaging of Amyloid Structures Using Transient Binding of Thioflavin T. , 2019, , .		0
10	Label-free imaging of epidermal growth factor receptor-induced response in single living cells. Analyst, The, 2018, 143, 5264-5270.	3.5	8
11	Minimizing Structural Bias in Single-Molecule Super-Resolution Microscopy. Scientific Reports, 2018, 8, 13133.	3.3	12
12	Superâ€resolution Imaging of Amyloid Structures over Extended Times by Using Transient Binding of Single Thioflavinâ€...T Molecules. ChemBioChem, 2018, 19, 1944-1948.	2.6	43
13	Imaging the three-dimensional orientation and rotational mobility of fluorescent emitters using the Tri-spot point spread function. Applied Physics Letters, 2018, 113, 031103.	3.3	58
14	Cellular Trafficking of Sn-2 Phosphatidylcholine Prodrugs Studied withÂFluorescence Lifetime Imaging and Super-resolution Microscopy. Precision Nanomedicine, 2018, 1, 128-145.	0.8	11
15	Single-Molecule Electrochemistry on a Porous Silica-Coated Electrode. Journal of the American Chemical Society, 2017, 139, 2964-2971.	13.7	50
16	Electrostatic Ion Enrichment in an Ultrathin-Layer Cell with a Critical Dimension between 5 and 20 nm. Analytical Chemistry, 2017, 89, 2739-2746.	6.5	9
17	Label-Free Imaging of Histamine Mediated G Protein-Coupled Receptors Activation in Live Cells. Analytical Chemistry, 2016, 88, 11498-11503.	6.5	10
18	RÃ¼cktitelbild: Label-Free Imaging of Dynamic and Transient Calcium Signaling in Single Cells (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10	2.0	0

#	Article	IF	Citations
19	Labelâ€Free Imaging of Dynamic and Transient Calcium Signaling in Single Cells. Angewandte Chemie - International Edition, 2015, 54, 13576-13580.	13.8	26
20	Charge Transfer Kinetics from Surface Plasmon Resonance Voltammetry. Analytical Chemistry, 2014, 86, 3882-3886.	6.5	12
21	Monitoring DNA conformation and charge regulations by plasmonic-based electrochemical impedance platform. Electrochemistry Communications, 2014, 45, 5-8.	4.7	4
22	Force Sensors: Hybrid Mechanoresponsive Polymer Wires Under Force Activation (Adv. Mater. 12/2013). Advanced Materials, 2013, 25, 1658-1658.	21.0	0
23	Hybrid Mechanoresponsive Polymer Wires Under Force Activation. Advanced Materials, 2013, 25, 1729-1733.	21.0	49
24	Plasmonic-Based Electrochemical Impedance Spectroscopy: Application to Molecular Binding. Analytical Chemistry, 2012, 84, 327-333.	6.5	73
25	Imaging the electrocatalytic activity of single nanoparticles. Nature Nanotechnology, 2012, 7, 668-672.	31.5	273
26	Temperatureâ€Responsive Polymer/Carbon Nanotube Hybrids: Smart Conductive Nanocomposite Films for Modulating the Bioelectrocatalysis of NADH. Chemistry - A European Journal, 2012, 18, 3687-3694.	3.3	32
27	Tuned chromic process for polydiacetylenes vesicles: the influence of polymer matrices. Soft Matter, 2011, 7, 6529.	2.7	11
28	Fabrication of polymeric ionic liquid/graphene nanocomposite for glucose oxidase immobilization and direct electrochemistry. Biosensors and Bioelectronics, 2011, 26, 2632-2637.	10.1	196
29	Preparation of SnO₂-Nanocrystal/Graphene-Nanosheets Composites and Their Lithium Storage Ability. Journal of Physical Chemistry C, 2010, 114, 21770-21774.	3.1	377
30	Label-free imaging, detection, and mass measurement of single viruses by surface plasmon resonance. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 16028-16032.	7.1	310
31	Preparation, Structure, and Electrochemical Properties of Reduced Graphene Sheet Films. Advanced Functional Materials, 2009, 19, 2782-2789.	14.9	1,132
32	Application of graphene-modified electrode for selective detection of dopamine. Electrochemistry Communications, 2009, 11, 889-892.	4.7	1,067
33	A Hybrid Electrochemicalâ€"Colorimetric Sensing Platform for Detection of Explosives. Journal of the American Chemical Society, 2009, 131, 1390-1391.	13.7	146
34	Graphene Oxide Amplified Electrogenerated Chemiluminescence of Quantum Dots and Its Selective Sensing for Glutathione from Thiol-Containing Compounds. Analytical Chemistry, 2009, 81, 9710-9715.	6.5	397