

Jin Lu

List of Publications by Year in descending order

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Version: 2024-02-01

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	Preparation, Structure, and Electrochemical Properties of Reduced Graphene Sheet Films. <i>Advanced Functional Materials</i> , 2009, 19, 2782-2789.	14.9	1,132
2	Application of graphene-modified electrode for selective detection of dopamine. <i>Electrochemistry Communications</i> , 2009, 11, 889-892.	4.7	1,067
3	Graphene Oxide Amplified Electrogenerated Chemiluminescence of Quantum Dots and Its Selective Sensing for Glutathione from Thiol-Containing Compounds. <i>Analytical Chemistry</i> , 2009, 81, 9710-9715.	6.5	397
4	Preparation of SnO ₂ -Nanocrystal/Graphene-Nanosheets Composites and Their Lithium Storage Ability. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21770-21774.	3.1	377
5	Label-free imaging, detection, and mass measurement of single viruses by surface plasmon resonance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 16028-16032.	7.1	310
6	Imaging the electrocatalytic activity of single nanoparticles. <i>Nature Nanotechnology</i> , 2012, 7, 668-672.	31.5	273
7	Fabrication of polymeric ionic liquid/graphene nanocomposite for glucose oxidase immobilization and direct electrochemistry. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2632-2637.	10.1	196
8	A Hybrid Electrochemical Colorimetric Sensing Platform for Detection of Explosives. <i>Journal of the American Chemical Society</i> , 2009, 131, 1390-1391.	13.7	146
9	Plasmonic-Based Electrochemical Impedance Spectroscopy: Application to Molecular Binding. <i>Analytical Chemistry</i> , 2012, 84, 327-333.	6.5	73
10	Imaging the three-dimensional orientation and rotational mobility of fluorescent emitters using the Tri-spot point spread function. <i>Applied Physics Letters</i> , 2018, 113, 031103.	3.3	58
11	Single-Molecule Electrochemistry on a Porous Silica-Coated Electrode. <i>Journal of the American Chemical Society</i> , 2017, 139, 2964-2971.	13.7	50
12	Hybrid Mechanoresponsive Polymer Wires Under Force Activation. <i>Advanced Materials</i> , 2013, 25, 1729-1733.	21.0	49
13	Super-resolution Imaging of Amyloid Structures over Extended Times by Using Transient Binding of Single Thioflavin T Molecules. <i>ChemBioChem</i> , 2018, 19, 1944-1948.	2.6	43
14	Single-Molecule 3D Orientation Imaging Reveals Nanoscale Compositional Heterogeneity in Lipid Membranes. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17572-17579.	13.8	36
15	Temperature-Responsive Polymer/Carbon Nanotube Hybrids: Smart Conductive Nanocomposite Films for Modulating the Bioelectrocatalysis of NADH. <i>Chemistry - A European Journal</i> , 2012, 18, 3687-3694.	3.3	32
16	Label-Free Imaging of Dynamic and Transient Calcium Signaling in Single Cells. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13576-13580.	13.8	26
17	Dipole-spread-function engineering for simultaneously measuring the 3D orientations and 3D positions of fluorescent molecules. <i>Optica</i> , 2022, 9, 505.	9.3	20
18	Resolving the Three-Dimensional Rotational and Translational Dynamics of Single Molecules Using Radially and Azimuthally Polarized Fluorescence. <i>Nano Letters</i> , 2022, 22, 1024-1031.	9.1	16

#	ARTICLE	IF	CITATIONS
19	Charge Transfer Kinetics from Surface Plasmon Resonance Voltammetry. <i>Analytical Chemistry</i> , 2014, 86, 3882-3886.	6.5	12
20	Minimizing Structural Bias in Single-Molecule Super-Resolution Microscopy. <i>Scientific Reports</i> , 2018, 8, 13133.	3.3	12
21	Tuned chromic process for polydiacetylenes vesicles: the influence of polymer matrices. <i>Soft Matter</i> , 2011, 7, 6529.	2.7	11
22	Cellular Trafficking of Sn-2 Phosphatidylcholine Prodrugs Studied with Fluorescence Lifetime Imaging and Super-resolution Microscopy. <i>Precision Nanomedicine</i> , 2018, 1, 128-145.	0.8	11
23	Label-Free Imaging of Histamine Mediated G Protein-Coupled Receptors Activation in Live Cells. <i>Analytical Chemistry</i> , 2016, 88, 11498-11503.	6.5	10
24	Electrostatic Ion Enrichment in an Ultrathin-Layer Cell with a Critical Dimension between 5 and 20 nm. <i>Analytical Chemistry</i> , 2017, 89, 2739-2746.	6.5	9
25	Label-free imaging of epidermal growth factor receptor-induced response in single living cells. <i>Analyst</i> , 2018, 143, 5264-5270.	3.5	8
26	Monitoring DNA conformation and charge regulations by plasmonic-based electrochemical impedance platform. <i>Electrochemistry Communications</i> , 2014, 45, 5-8.	4.7	4
27	Single-Molecule 3D Orientation Imaging Reveals Nanoscale Compositional Heterogeneity in Lipid Membranes. <i>Angewandte Chemie</i> , 2020, 132, 17725-17732.	2.0	2
28	Force Sensors: Hybrid Mechanoresponsive Polymer Wires Under Force Activation (<i>Adv. Mater.</i> 12/2013). <i>Advanced Materials</i> , 2013, 25, 1658-1658.	21.0	0
29	Label-Free Imaging of Dynamic and Transient Calcium Signaling in Single Cells (<i>Angew. Chem.</i> 40/2020). <i>Angewandte Chemie</i> , 2020, 132, 17912-17912.	2.0	0
30	Single-Molecule 3D Orientation Imaging Reveals Nanoscale Compositional Heterogeneity in Lipid Membranes (<i>Angew. Chem.</i> 40/2020). <i>Angewandte Chemie</i> , 2020, 132, 17912-17912.	2.0	0
31	Superresolution 3D Orientation Imaging Reveals Nanoscale Compositional Heterogeneity in Lipid Membranes. <i>Biophysical Journal</i> , 2020, 118, 21a.	0.5	0
32	pixOL: pixel-wise point spread function engineering for measuring the 3D orientation and 3D location of dipole-like emitters. <i>Microscopy and Microanalysis</i> , 2021, 27, 858-862.	0.4	0
33	Long-Term Super-Resolution Imaging of Amyloid Structures Using Transient Binding of Thioflavin T. , 2019, , .		0
34	Imaging chemical environments and amyloid architectures using single-molecule orientation-localization microscopy. , 2021, , .		0