

Liming Ying

List of Publications by Year in descending order

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104
papers

4,868
citations

87843

38
h-index

98753

67
g-index

110
all docs

110
docs citations

110
times ranked

5835
citing authors

#	ARTICLE	IF	CITATIONS
1	The docking of synaptic vesicles on the presynaptic membrane induced by $\hat{\pm}$ -synuclein is modulated by lipid composition. <i>Nature Communications</i> , 2021, 12, 927.	5.8	63
2	Probing the Interactions of Intrinsically Disordered Protein with Metal Ions and Lipid Membranes by Fluorescence Spectroscopy. <i>Biophysical Journal</i> , 2021, 120, 30a-31a.	0.2	0
3	Acetylation Rather than H50Q Mutation Impacts the Kinetics of Cu(II) Binding to $\hat{\pm}$ -Synuclein. <i>ChemPhysChem</i> , 2021, 22, 2413-2419.	1.0	4
4	Acetylation Rather than H50Q Mutation Impacts the Kinetics of Cu(II) Binding to $\hat{\pm}$ -Synuclein. <i>ChemPhysChem</i> , 2021, 22, 2380-2380.	1.0	1
5	Antioxidant lipoic acid ligand-shell gold nanoconjugates against oxidative stress caused by $\hat{\pm}$ -synuclein aggregates. <i>Nanoscale Advances</i> , 2020, 2, 5666-5681.	2.2	13
6	A Novel $\hat{\pm}$ 40 Assembly at Physiological Concentration. <i>Scientific Reports</i> , 2020, 10, 9477.	1.6	6
7	Hierarchical binding of copperII to N-truncated $\hat{\pm}$ 16 peptide. <i>Metallomics</i> , 2020, 12, 470-473.	1.0	12
8	A highly stable RNA aptamer probe for the retinoblastoma protein in live cells. <i>Chemical Science</i> , 2020, 11, 4467-4474.	3.7	7
9	Bv8 contributes to neutrophil infiltration and triggers the angiogenesis of colon cancer via extracellular signal-regulated kinase-vascular endothelial growth factor signalling pathway. <i>British Journal of Anaesthesia</i> , 2019, 123, e500.	1.5	0
10	Ligand discrimination between active and inactive activation loop conformations of Aurora-A kinase is unmodified by phosphorylation. <i>Chemical Science</i> , 2019, 10, 4069-4076.	3.7	8
11	Redox Kinetics of the Amyloid-Beta-Copper Complex and Its Biological Implications. <i>Biophysical Journal</i> , 2019, 116, 28a.	0.2	0
12	Probing Synaptic Amyloid-Beta Aggregation Promoted by Copper Release. <i>Biophysical Journal</i> , 2018, 114, 430a.	0.2	0
13	A CRISPR-Cas9-triggered strand displacement amplification method for ultrasensitive DNA detection. <i>Nature Communications</i> , 2018, 9, 5012.	5.8	244
14	Redox Kinetics of the Amyloid- $\hat{\pm}$ -Cu Complex and Its Biological Implications. <i>Biochemistry</i> , 2018, 57, 6228-6233.	1.2	9
15	Enhanced Cytosolic Delivery and Release of CRISPR/Cas9 by Black Phosphorus Nanosheets for Genome Editing. <i>Angewandte Chemie</i> , 2018, 130, 10425-10429.	1.6	43
16	Enhanced Cytosolic Delivery and Release of CRISPR/Cas9 by Black Phosphorus Nanosheets for Genome Editing. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10268-10272.	7.2	154
17	Dynamic Equilibrium of the Aurora-A Kinase Activation Loop Revealed by Single-Molecule Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11409-11414.	7.2	37
18	Dynamic Equilibrium of the Aurora-A Kinase Activation Loop Revealed by Single-Molecule Spectroscopy. <i>Angewandte Chemie</i> , 2017, 129, 11567-11572.	1.6	5

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19	Structural basis of membrane disruption and cellular toxicity by β -synuclein oligomers. <i>Science</i> , 2017, 358, 1440-1443.	6.0	492
20	The Lack of Mutagenic Potential of a Guanine-Rich Triplex Forming Oligonucleotide in Physiological Conditions. <i>Toxicological Sciences</i> , 2017, 155, 101-111.	1.4	2
21	Kinetic Analysis Reveals the Identity of $\text{A}\beta^2$ -Metal Complex Responsible for the Initial Aggregation of $\text{A}\beta^2$ in the Synapse. <i>ACS Chemical Neuroscience</i> , 2017, 8, 1970-1979.	1.7	22
22	Efficient Lipid Peroxidation Catalyzed by Amyloid-Beta-Copper Complex: Observation of Chemical Oscillation and Chaos. <i>Biophysical Journal</i> , 2016, 110, 552a.	0.2	0
23	Studies of G-quadruplexes formed within self-assembled DNA mini-circles. <i>Chemical Communications</i> , 2016, 52, 12454-12457.	2.2	15
24	Kinetics of the Interactions between Copper and Amyloid β^2 with FAD Mutations and Phosphorylation at the N-terminus. <i>ChemBioChem</i> , 2016, 17, 1732-1737.	1.3	15
25	Secondary Metal Binding to Amyloid-Beta Monomer is Insignificant under Synaptic Conditions. <i>Biophysical Journal</i> , 2015, 108, 385a.	0.2	0
26	Is the cellular and molecular machinery docile in the stationary phase of <i>Escherichia coli</i> ?. <i>Biochemical Society Transactions</i> , 2015, 43, 168-171.	1.6	5
27	Introduction of a Fluorescent Probe to Amyloid β^2 to Reveal Kinetic Insights into Its Interactions with Copper(II). <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1227-1230.	7.2	47
28	Anionic lipids and the cytoskeletal proteins MreB and RodZ define the spatio-temporal distribution and function of membrane stress controller PspA in <i>Escherichia coli</i> . <i>Microbiology (United Kingdom)</i> , 2014, 160, 2374-2386.	0.7	21
29	P491 Transcriptional regulatory roles of G-quadruplex DNA in promoters of genes involved in beta-adrenergic signaling pathway. <i>Cardiovascular Research</i> , 2014, 103, S89.4-S90.	1.8	0
30	Kinetics of the Interconversion Between Two Physiologically Important Copper-Bound Amyloid-Beta Species. <i>Biophysical Journal</i> , 2014, 106, 682a.	0.2	0
31	The N-Terminal Amphipathic Helices Determine Regulatory and Effector Functions of Phage Shock Protein A (PspA) in <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 2014, 426, 1498-1511.	2.0	46
32	Kinetics of Metal Amyloid-Beta Binding and Efficacy of Ligands Targeting Metal Amyloid-Beta Interactions. <i>Biophysical Journal</i> , 2014, 106, 39a.	0.2	0
33	Dynamics and stoichiometry of a regulated enhancer-binding protein in live <i>Escherichia coli</i> cells. <i>Nature Communications</i> , 2013, 4, 1997.	5.8	26
34	Possible Regulatory Roles of Promoter G-Quadruplexes in Cardiac Function-Related Genes – Human Tnlc as a Model. <i>PLoS ONE</i> , 2013, 8, e53137.	1.1	9
35	Measuring the stoichiometry of functional PspA complexes in living bacterial cells by single molecule photobleaching. <i>Chemical Communications</i> , 2011, 47, 400-402.	2.2	23
36	G-Quadruplexes – Novel Mediators of Gene Function. <i>Journal of Cardiovascular Translational Research</i> , 2011, 4, 256-270.	1.1	13

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37	Single Molecule FRET Characterization of DNA G-Quadruplexes Formed In The Promoter of Human MEF2D and TNNI3 Genes. <i>Biophysical Journal</i> , 2010, 98, 265a.	0.2	0
38	Ensemble and single molecule FRET analysis of the structure and unfolding kinetics of the c-kit promoter quadruplexes. <i>Chemical Communications</i> , 2010, 46, 946-948.	2.2	11
39	Single Molecule Fluorescence Resonance Energy Transfer and Ensemble Biophysical Characterization of a G-quadruplex Formed in the Promoter of Human Myocyte Enhancer Factor 2D. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2010, 26, 1099-1106.	2.2	1
40	Direct observation of barrier-limited folding of BBL by single-molecule fluorescence resonance energy transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16239-16244.	3.3	56
41	Reply to Campos et al.: Direct observation versus ambiguous kinetics and thermodynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, .	3.3	2
42	Multiple conformations of full-length p53 detected with single-molecule fluorescence resonance energy transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20758-20763.	3.3	96
43	<i>In vivo</i> localizations of membrane stress controllers PspA and PspG in <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2009, 73, 382-396.	1.2	63
44	Probing Conformational Motion of Serpin by Time-Resolved and Single Molecule Fluorescence. <i>Biophysical Journal</i> , 2009, 96, 377a.	0.2	0
45	Probing nanosecond motions of plasminogen activator inhibitor-1 by time-resolved fluorescence anisotropy. <i>Molecular BioSystems</i> , 2009, 5, 1025.	2.9	12
46	Applications of nanopipettes in bionanotechnology. <i>Biochemical Society Transactions</i> , 2009, 37, 702-706.	1.6	29
47	High resolution imaging using scanning ion conductance microscopy with improved distance feedback control. <i>Progress in Natural Science: Materials International</i> , 2008, 18, 671-677.	1.8	25
48	A Compact Functional Quantum Dot-DNA Conjugate: Preparation, Hybridization, and Specific Label-Free DNA Detection. <i>Langmuir</i> , 2008, 24, 1659-1664.	1.6	138
49	Single molecule conformational analysis of the biologically relevant DNA G-quadruplex in the promoter of the proto-oncogene c-MYC. <i>Chemical Communications</i> , 2008, , 2007.	2.2	15
50	Characterization and Application of Controllable Local Chemical Changes Produced by Reagent Delivery from a Nanopipet. <i>Journal of the American Chemical Society</i> , 2008, 130, 10386-10393.	6.6	40
51	Distinguishing between cooperative and unimodal downhill protein folding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 123-127.	3.3	117
52	Surface Conductivity of Biological Macromolecules Measured by Nanopipette Dielectrophoresis. <i>Physical Review Letters</i> , 2007, 98, 198102.	2.9	71
53	Single-Molecule Conformational Analysis of G-Quadruplex Formation in the Promoter DNA Duplex of the Proto-Oncogene C-Kit. <i>Journal of the American Chemical Society</i> , 2007, 129, 7484-7485.	6.6	121
54	Single molecule biology: Coming of age. <i>Molecular BioSystems</i> , 2007, 3, 377.	2.9	11

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55	Investigating a Quadruplex-Ligand Interaction by Unfolding Kinetics. <i>Journal of the American Chemical Society</i> , 2006, 128, 9809-9812.	6.6	30
56	A Renewable Nanosensor Based on a Glass Nanopipette. <i>Journal of the American Chemical Society</i> , 2006, 128, 16462-16463.	6.6	55
57	Characterization of a Single Molecule DNA Switch in Free Solution. <i>Journal of the American Chemical Society</i> , 2006, 128, 11423-11432.	6.6	44
58	Analysis of Human Telomerase Activity and Function by Two Color Single Molecule Coincidence Fluorescence Spectroscopy. <i>Journal of the American Chemical Society</i> , 2006, 128, 4992-5000.	6.6	42
59	A Simple Nanomixer for Single-Molecule Kinetics Measurements. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7540-7543.	7.2	20
60	Comment on "Trapping Single Molecules by Dielectrophoresis". <i>Physical Review Letters</i> , 2006, 96, 199801; author reply 199802.	2.9	2
61	Trapping of Proteins under Physiological Conditions in a Nanopipette. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3747-3750.	7.2	108
62	The scanned nanopipette: a new tool for high resolution bioimaging and controlled deposition of biomolecules. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 2859.	1.3	107
63	Fluorescence resonance energy transfer between a quantum dot donor and a dye acceptor attached to DNA. <i>Chemical Communications</i> , 2005, , 4807.	2.2	138
64	Measuring single-molecule nucleic acid dynamics in solution by two-color filtered ratiometric fluorescence correlation spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 14425-14430.	3.3	47
65	Individual Molecules of Dye-Labeled DNA Act as a Reversible Two-Color Switch upon Application of an Electric Field. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5926-5930.	7.2	5
66	A Simple Voltage Controlled Enzymatic Nanoreactor Produced in the Tip of a Nanopipet. <i>Nano Letters</i> , 2004, 4, 1859-1862.	4.5	12
67	Frequency and Voltage Dependence of the Dielectrophoretic Trapping of Short Lengths of DNA and dCTP in a Nanopipette. <i>Biophysical Journal</i> , 2004, 86, 1018-1027.	0.2	139
68	Fluorescence studies of single biomolecules. <i>Biochemical Society Transactions</i> , 2004, 32, 753-756.	1.6	13
69	Kinetics of Unfolding the Human Telomeric DNA Quadruplex Using a PNA Trap. <i>Journal of the American Chemical Society</i> , 2003, 125, 3763-3767.	6.6	100
70	Ultrasensitive Coincidence Fluorescence Detection of Single DNA Molecules. <i>Analytical Chemistry</i> , 2003, 75, 1664-1670.	3.2	162
71	Multicomponent Submicron Features of Biomolecules Created by Voltage Controlled Deposition from a Nanopipet. <i>Journal of the American Chemical Society</i> , 2003, 125, 9834-9839.	6.6	116
72	Building Three-Dimensional Surface Biological Assemblies on the Nanometer Scale. <i>Nano Letters</i> , 2003, 3, 1517-1520.	4.5	51

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73	Identification of a new RNA{middle dot}RNA interaction site for human telomerase RNA (hTR): structural implications for hTR accumulation and a dyskeratosis congenita point mutation. <i>Nucleic Acids Research</i> , 2003, 31, 6509-6515.	6.5	43
74	Studies on the structure and dynamics of the human telomeric G quadruplex by single-molecule fluorescence resonance energy transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 14629-14634.	3.3	286
75	Characterization of a Novel Light Source for Simultaneous Optical and Scanning Ion Conductance Microscopy. <i>Analytical Chemistry</i> , 2002, 74, 2612-2616.	3.2	18
76	Writing with DNA and Protein Using a Nanopipet for Controlled Delivery. <i>Journal of the American Chemical Society</i> , 2002, 124, 8810-8811.	6.6	185
77	Programmable Delivery of DNA through a Nanopipet. <i>Analytical Chemistry</i> , 2002, 74, 1380-1385.	3.2	84
78	Two-state model of conformational fluctuation in a DNA hairpin-loop. <i>Chemical Physics Letters</i> , 2001, 334, 145-150.	1.2	40
79	Non-Arrhenius kinetics for the loop closure of a DNA hairpin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 5584-5589.	3.3	179
80	Synthesis, monolayer fabrication and photoelectric conversion property of two pyrrolidinofullerene carboxylic acid derivatives1The work was mainly done in State Key Laboratory of Rare Earth Materials Chemistry and Applications, Peking University, Beijing 100871, P.R. China.1. <i>Chemical Physics Letters</i> , 2000, 319, 7-12.	1.2	14
81	FRET Fluctuation Spectroscopy:Â Exploring the Conformational Dynamics of a DNA Hairpin Loop. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11551-11555.	1.2	93
82	Aggregation and Self-Organization of a Chromophore-Labeled Double-Chain Amphiphile. <i>Langmuir</i> , 2000, 16, 3651-3659.	1.6	9
83	Ratiometric Analysis of Single-Molecule Fluorescence Resonance Energy Transfer Using Logical Combinations of Threshold Criteria:Â A Study of 12-mer DNA. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5171-5178.	1.2	56
84	Interaction between nitric oxide and lipidâ€™like DDPA LB film investigated with SHG and AFM. <i>Chinese Journal of Chemistry</i> , 2000, 18, 25-28.	2.6	0
85	Aggregates in Rhodamine-labeled Phospholipid Films Probed by Spectroscopy and Atomic Force Microscopy. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2000, 16, 49-54.	2.2	1
86	Single-Molecule Detection Studies of Diffusion of Rhodamine-labeled Phospholipids. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 2000, 16, 393-397.	2.2	0
87	Fabrication and their photoelectric conversion properties of two kinds of self-assembled monolayers and Langmuirâ€™Blodgett film of mono-substituted C60-malonic acid. <i>Applied Surface Science</i> , 1999, 151, 153-158.	3.1	19
88	Photoelectric Generation and Second-Order Nonlinear Optical Characters of the Dichromophore Dye Molecules. <i>Journal of Physical Chemistry B</i> , 1999, 103, 7130-7134.	1.2	29
89	Self-Assembly Ultrathin Films Based on Diazoins. <i>Langmuir</i> , 1999, 15, 7208-7212.	1.6	91
90	Self-Organization of a Double Chain Amphiphile DDPA Investigated by AFM. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 1999, 15, 385-389.	2.2	1

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91	Fluorescence Spectroscopy, Exciton Dynamics, and Photochemistry of Single Allophycocyanin Trimers. <i>Journal of Physical Chemistry B</i> , 1998, 102, 10399-10409.	1.2	138
92	Langmuir-Blodgett Film of a Europium Complex and Its Application in a Silver Mirror Planar Microcavity. <i>Langmuir</i> , 1998, 14, 417-422.	1.6	15
93	Luminescence Properties and Energy Transfer of Rare Earth(III) Complexes. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 1998, 14, 811-816.	2.2	0
94	Theoretical Studies of $XONO_2 \cdot H_2O$ (X = Cl, H) Complexes. <i>Journal of Physical Chemistry A</i> , 1997, 101, 6807-6812.	1.1	21
95	Ab Initio and Density Functional Studies of $HOBr \cdot H_2O$ and $BrONO_2 \cdot H_2O$ Complexes. <i>Journal of Physical Chemistry A</i> , 1997, 101, 3569-3573.	1.1	16
96	Room-temperature fluorescence, phosphorescence and crystal structures of 4-acyl pyrazolone lanthanide complexes: $Ln(L)_3 \cdot 2H_2O$. <i>Polyhedron</i> , 1997, 16, 1381-1389.	1.0	57
97	Laser induced dispersed fluorescence spectra of CH_3N radical and the lifetime of its \tilde{A}^3E state. <i>Chemical Physics Letters</i> , 1997, 267, 345-350.	1.2	9
98	Excited State Properties and Intramolecular Energy Transfer of Rare-Earth Acylpyrazolone Complexes. <i>The Journal of Physical Chemistry</i> , 1996, 100, 18387-18391.	2.9	31
99	Photodissociation of methylazide: Observation of triplet methylnitrene radical. <i>Journal of Chemical Physics</i> , 1996, 105, 5798-5805.	1.2	17
100	Dissociation dynamics of methylazide on the first excited singlet surface. <i>Chemical Physics Letters</i> , 1995, 236, 318-323.	1.2	11
101	Investigation of the $\tilde{A}^3E \rightarrow \tilde{X}^1A_2$ system of methylnitrene radical by laser spectroscopy. <i>Journal of Chemical Physics</i> , 1995, 103, 4418-4426.	1.2	10
102	Photodissociation of CH_3N_3 : Spectral Evidences for the Formation of Triplet CH_3N Radical. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 1995, 11, 961-964.	2.2	1
103	Reaction Kinetics and Mechanism of the Pyrolysis of Isobutane at High Temperature. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 1994, 10, 223-229.	2.2	0
104	The Stability of the \tilde{A}^3E State Methylnitrene Radical. <i>Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica</i> , 1993, 9, 594-596.	2.2	3