

# Di Li

## List of Publications by Year in descending order

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111  
papers

12,738  
citations

50276

46  
h-index

24258

110  
g-index

118  
all docs

118  
docs citations

118  
times ranked

14888  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct conversion of N <sub>2</sub> and O <sub>2</sub> : status, challenge and perspective. National Science Review, 2022, 9, .	9.5	16
2	Asymmetrical DNA engineering of cell membrane via membrane fusion. Chinese Journal of Analytical Chemistry, 2022, 50, 100053.	1.7	0
3	Precise regulating T cell activation signaling with spatial controllable positioning of receptors on DNA origami. Chinese Journal of Analytical Chemistry, 2022, 50, 100091.	1.7	3
4	Controlled Delivery. , 2022, , 525-553.		0
5	Enhancing cell membrane phase separation for inhibiting cancer metastasis with a stimuli-responsive DNA nanodevice. Chemical Science, 2022, 13, 6303-6308.	7.4	10
6	DNA-Mediated Membrane Fusion and Its Biological Applications: Sensing, Reaction Control and Drug Delivery. Analysis & Sensing, 2022, 2, .	2.0	2
7	Single Particle Hopping as an Indicator for Evaluating Electrocatalysts. Nano Letters, 2022, 22, 5495-5502.	9.1	8
8	Multienzyme nanoassemblies: from rational design to biomedical applications. Biomaterials Science, 2021, 9, 7323-7342.	5.4	7
9	In-situ plasmonic tracking oxygen evolution reveals multistage oxygen diffusion and accumulating inhibition. Nature Communications, 2021, 12, 2164.	12.8	9
10	Magnetic nanochains-based dynamic ELISA for rapid and ultrasensitive detection of acute myocardial infarction biomarkers. Analytica Chimica Acta, 2021, 1166, 338567.	5.4	22
11	Intelligent Probabilistic System for Digital Tracing Cellular Origin of Individual Clinical Extracellular Vesicles. Analytical Chemistry, 2021, 93, 10343-10350.	6.5	19
12	Water-soluble myofibrillar protein-pectin complex for enhanced physical stability near the isoelectric point: Fabrication, rheology and thermal property. International Journal of Biological Macromolecules, 2020, 142, 615-623.	7.5	52
13	Photoactive Nanocarriers for Controlled Delivery. Advanced Functional Materials, 2020, 30, 1903896.	14.9	38
14	Engineering CrtW and CrtZ for improving biosynthesis of astaxanthin in Escherichia coli. Chinese Journal of Natural Medicines, 2020, 18, 666-676.	1.3	11
15	Detection of B-type natriuretic peptide by establishing a low-cost and replicable fluorescence resonance energy transfer platform. Mikrochimica Acta, 2020, 187, 331.	5.0	12
16	Single-Molecular Catalysis Identifying Activation Energy of the Intermediate Product and Rate-Limiting Step in Plasmonic Photocatalysis. Nano Letters, 2020, 20, 2507-2513.	9.1	40
17	DNA nanotweezers for stabilizing and dynamically lighting up a lipid raft on living cell membranes and the activation of T cells. Chemical Science, 2020, 11, 1581-1586.	7.4	16
18	Impact of gum Arabic on the partition and stability of resveratrol in sunflower oil emulsions stabilized by whey protein isolate. Colloids and Surfaces B: Biointerfaces, 2019, 181, 749-755.	5.0	27

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19	Polydopamine-mediated synthesis of core-shell gold@calcium phosphate nanoparticles for enzyme immobilization. <i>Biomaterials Science</i> , 2019, 7, 2841-2849.	5.4	15
20	Progress in Membrane Fusion and Its Application in Drug Delivery. <i>Chinese Journal of Analytical Chemistry</i> , 2019, 47, 1871-1877.	1.7	1
21	Alleviated Inhibition of Single Enzyme in Confined and Crowded Environment. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 82-89.	4.6	11
22	Reactivating Catalytic Surface: Insights into the Role of Hot Holes in Plasmonic Catalysis. <i>Small</i> , 2018, 14, e1703510.	10.0	35
23	Self-assembly of inorganic nanoparticles mediated by host-guest interactions. <i>Current Opinion in Colloid and Interface Science</i> , 2018, 35, 59-67.	7.4	30
24	Progresses of Single Molecular Fluorescence Resonance Energy Transfer in Studying Biomacromolecule Dynamic Process. <i>Chinese Journal of Analytical Chemistry</i> , 2018, 46, 803-813.	1.7	6
25	Single-Molecule Studies of Allosteric Inhibition of Individual Enzyme on a DNA Origami Reactor. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6786-6794.	4.6	19
26	Guiding protein delivery into live cells using DNA-programmed membrane fusion. <i>Chemical Science</i> , 2018, 9, 5967-5975.	7.4	66
27	Catalysis-Driven Self-Thermophoresis of Janus Plasmonic Nanomotors. <i>Angewandte Chemie</i> , 2017, 129, 530-533.	2.0	23
28	Catalysis-Driven Self-Thermophoresis of Janus Plasmonic Nanomotors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 515-518.	13.8	93
29	Application Progress of DNA Nanostructures in Drug Delivery and Smart Drug Carriers. <i>Chinese Journal of Analytical Chemistry</i> , 2017, 45, 1078-1087.	1.7	8
30	Real-Time Imaging of Single-Molecule Enzyme Cascade Using a DNA Origami Raft. <i>Journal of the American Chemical Society</i> , 2017, 139, 17525-17532.	13.7	100
31	Nanoplasmonic Biological Sensing and Imaging. <i>Acta Chimica Sinica</i> , 2017, 75, 1036.	1.4	28
32	Research Progresses in Single Molecule Enzymology. <i>Chinese Journal of Analytical Chemistry</i> , 2016, 44, 1437-1446.	1.7	1
33	Recent Progresses in Molecule Motors Driven by Enzymatic Reactions. <i>Chinese Journal of Analytical Chemistry</i> , 2016, 44, 1133-1139.	1.7	4
34	Optical monitoring of faradaic reaction using single plasmon-resonant nanorods functionalized with graphene. <i>Chemical Communications</i> , 2015, 51, 3223-3226.	4.1	21
35	Unraveling the Role of Hydrogen Peroxide in $\alpha$ -Synuclein Aggregation Using an Ultrasensitive Nanoplasmonic Probe. <i>Analytical Chemistry</i> , 2015, 87, 1968-1973.	6.5	35
36	A highly sensitive chemiluminescence sensor for detecting mercury (II) ions: a combination of Exonuclease III-aided signal amplification and graphene oxide-assisted background reduction. <i>Science China Chemistry</i> , 2015, 58, 514-518.	8.2	63

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37	DNA-Directed Assembly of Gold Nanohalo for Quantitative Plasmonic Imaging of Single-Particle Catalysis. <i>Journal of the American Chemical Society</i> , 2015, 137, 4292-4295.	13.7	125
38	Nanoplasmonic Imaging of Latent Fingerprints with Explosive RDX Residues. <i>Analytical Chemistry</i> , 2015, 87, 9403-9407.	6.5	49
39	Visualizing dopamine released from living cells using a nanoplasmonic probe. <i>Nanoscale</i> , 2015, 7, 15070-15074.	5.6	15
40	Optical approaches in study of nanocatalysis with single-molecule and single-particle resolution. <i>Frontiers of Optoelectronics</i> , 2015, 8, 379-393.	3.7	6
41	Nanoplasmonic Imaging of Latent Fingerprints and Identification of Cocaine. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11542-11545.	13.8	150
42	Pattern Recognition Analysis of Proteins Using DNA-Decorated Catalytic Gold Nanoparticles. <i>Small</i> , 2013, 9, 2844-2849.	10.0	59
43	Nucleic Acid Enzyme-Based DNA Nanomachine for Biosensing. , 2013, , 307-320.		0
44	Single-Step Rapid Assembly of DNA Origami Nanostructures for Addressable Nanoscale Bioreactors. <i>Journal of the American Chemical Society</i> , 2013, 135, 696-702.	13.7	242
45	Optical Detection of Non-amplified Genomic DNA. <i>Soft and Biological Matter</i> , 2012, , 153-183.	0.3	2
46	Nanoplasmonic detection of adenosine triphosphate by aptamer regulated self-catalytic growth of single gold nanoparticles. <i>Chemical Communications</i> , 2012, 48, 9574.	4.1	50
47	DNAzyme-Based Rolling-Circle Amplification DNA Machine for Ultrasensitive Analysis of MicroRNA in <i>Drosophila</i> Larva. <i>Analytical Chemistry</i> , 2012, 84, 7664-7669.	6.5	173
48	Metal ion-modulated graphene-DNAzyme interactions: design of a nanoprobe for fluorescent detection of lead(ii) ions with high sensitivity, selectivity and tunable dynamic range. <i>Chemical Communications</i> , 2011, 47, 6278.	4.1	166
49	Self-Assembled Multivalent DNA Nanostructures for Noninvasive Intracellular Delivery of Immunostimulatory CpG Oligonucleotides. <i>ACS Nano</i> , 2011, 5, 8783-8789.	14.6	656
50	A methylation-stimulated DNA machine: an autonomous isothermal route to methyltransferase activity and inhibition analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3459-3464.	3.7	28
51	Catalytic Gold Nanoparticles for Nanoplasmonic Detection of DNA Hybridization. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11994-11998.	13.8	306
52	Universal optical assays based on multi-component nanoprobe for genomic deoxyribonucleic acid and proteins. <i>Analytica Chimica Acta</i> , 2011, 702, 114-119.	5.4	4
53	A graphene-enhanced molecular beacon for homogeneous DNA detection. <i>Nanoscale</i> , 2010, 2, 1021.	5.6	219
54	Graphene Oxide-Facilitated Electron Transfer of Metalloproteins at Electrode Surfaces. <i>Langmuir</i> , 2010, 26, 1936-1939.	3.5	215

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55	Graphene-Based Antibacterial Paper. ACS Nano, 2010, 4, 4317-4323.	14.6	1,771
56	Graphene on Au(111): A Highly Conductive Material with Excellent Adsorption Properties for High-Resolution Bio/Nanodetection and Identification. ChemPhysChem, 2010, 11, 585-589.	2.1	222
57	Inside Cover: Graphene on Au(111): A Highly Conductive Material with Excellent Adsorption Properties for High-Resolution Bio/Nanodetection and Identification (ChemPhysChem 3/2010). ChemPhysChem, 2010, 11, 530-530.	2.1	2
58	Comparative Studies on Electrocatalytic Activities of Chemically Reduced Graphene Oxide and Electrochemically Reduced Graphene Oxide Noncovalently Functionalized with Poly(methylene blue). Electroanalysis, 2010, 22, 2862-2870.	2.9	18
59	A Graphene Nanoprobe for Rapid, Sensitive, and Multicolor Fluorescent DNA Analysis. Advanced Functional Materials, 2010, 20, 453-459.	14.9	1,310
60	Gating of Redox Currents at Gold Nanoelectrodes via DNA Hybridization. Advanced Materials, 2010, 22, 2148-2150.	21.0	39
61	Long-Term Antimicrobial Effect of Silicon Nanowires Decorated with Silver Nanoparticles. Advanced Materials, 2010, 22, 5463-5467.	21.0	241
62	Gold nanoparticle-based sensing strategies for biomolecular detection. Pure and Applied Chemistry, 2010, 82, 81-89.	1.9	19
63	Target-Responsive Structural Switching for Nucleic Acid-Based Sensors. Accounts of Chemical Research, 2010, 43, 631-641.	15.6	704
64	A graphene-based fluorescent nanoprobe for silver(i) ions detection by using graphene oxide and a silver-specific oligonucleotide. Chemical Communications, 2010, 46, 2596.	4.1	455
65	An Electrochemically Actuated Reversible DNA Switch. Nano Letters, 2010, 10, 1393-1397.	9.1	78
66	Self-Catalyzed, Self-Limiting Growth of Glucose Oxidase-Mimicking Gold Nanoparticles. ACS Nano, 2010, 4, 7451-7458.	14.6	534
67	A quartz crystal microbalance-based molecular ruler for biopolymers. Chemical Communications, 2010, 46, 949-951.	4.1	24
68	A silicon nanowire-based electrochemical glucose biosensor with high electrocatalytic activity and sensitivity. Nanoscale, 2010, 2, 1704.	5.6	42
69	Inhibition of the In Vitro Replication of DNA by an Aptamer-Protein Complex in an Autonomous DNA Machine. Chemistry - A European Journal, 2009, 15, 11898-11903.	3.3	68
70	The enzyme-amplified amperometric DNA sensor using an electrodeposited polymer redox mediator. Science in China Series B: Chemistry, 2009, 52, 746-750.	0.8	4
71	Design of a carbon nanotube/magnetic nanoparticle-based peroxidase-like nanocomplex and its application for highly efficient catalytic oxidation of phenols. Nano Research, 2009, 2, 617-623.	10.4	133
72	Multi-functional crosslinked Au nanoaggregates for the amplified optical DNA detection. Biosensors and Bioelectronics, 2009, 24, 3311-3315.	10.1	54

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73	Sequence-specific DNA detection by using biocatalyzed electrochemiluminescence and non-fouling surfaces. <i>Biosensors and Bioelectronics</i> , 2009, 25, 368-372.	10.1	39
74	Adenosine detection by using gold nanoparticles and designed aptamer sequences. <i>Analyst</i> , 2009, 134, 1355.	3.5	157
75	Highly Sensitive Electrochemical Sensor for Mercury(II) Ions by Using a Mercury-Specific Oligonucleotide Probe and Gold Nanoparticle-Based Amplification. <i>Analytical Chemistry</i> , 2009, 81, 7660-7666.	6.5	426
76	Biomolecular sensing via coupling DNA-based recognition with gold nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 203001.	2.8	44
77	A nano- and micro- integrated protein chip based on quantum dot probes and a microfluidic network. <i>Nano Research</i> , 2008, 1, 490-496.	10.4	52
78	A Conjugated Polymer-Based Electrochemical DNA Sensor: Design and Application of a Multi-Functional and Water-Soluble Conjugated Polymer. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1489-1494.	3.9	24
79	Parallel Analysis of Two Analytes in Solutions or on Surfaces by Using a Bifunctional Aptamer: Applications for Biosensing and Logic Gate Operations. <i>ChemBioChem</i> , 2008, 9, 232-239.	2.6	109
80	Optical Analysis of Hg <sup>2+</sup> Ions by Oligonucleotide-Gold Nanoparticle Hybrids and DNA-Based Machines. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3927-3931.	13.8	633
81	Switchable charge transport path via a potassium ions promoted conformational change of G-quadruplex probe monolayer. <i>Electrochemistry Communications</i> , 2008, 10, 1258-1260.	4.7	8
82	Mechanistic Aspects of Monomer, Polymer Formation, and Synthesis of PQ-Alt-Dialkyl-fluorene Conjugated Copolymer. <i>Chemical Research in Chinese Universities</i> , 2008, 24, 110-115.	2.6	0
83	Design of a gold nanoprobe for rapid and portable mercury detection with the naked eye. <i>Chemical Communications</i> , 2008, , 4885.	4.1	143
84	Following protein kinase activity by electrochemical means and contact angle measurements. <i>Chemical Communications</i> , 2008, , 2376.	4.1	35
85	Spotlighting of Cocaine by an Autonomous Aptamer-Based Machine. <i>Journal of the American Chemical Society</i> , 2007, 129, 3814-3815.	13.7	271
86	Amplified electrochemical detection of DNA through the aggregation of Au nanoparticles on electrodes and the incorporation of methylene blue into the DNA-crosslinked structure. <i>Chemical Communications</i> , 2007, , 3544.	4.1	106
87	Amplified Analysis of Low-Molecular-Weight Substrates or Proteins by the Self-Assembly of DNAzyme-Aptamer Conjugates. <i>Journal of the American Chemical Society</i> , 2007, 129, 5804-5805.	13.7	323
88	Encoded and Enzyme-Activated Nanolithography of Gold and Magnetic Nanoparticles on Silicon. <i>Langmuir</i> , 2007, 23, 2293-2296.	3.5	15
89	Synthesis, characterization, electrochemistry and optical properties of a novel phenanthrenequinone-dialkylfluorene conjugated copolymer. <i>Polymer International</i> , 2007, 56, 1507-1513.	3.1	23
90	Proteins modified with DNAzymes or aptamers act as biosensors or biosensor labels. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2570-2576.	10.1	105

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91	Probing of enzyme reactions by the biocatalyst-induced association or dissociation of redox labels linked to monolayer-functionalized electrodes. <i>Chemical Communications</i> , 2006, , 5027.	4.1	46
92	Temperature dependant self-assembly of surfactant Brij 76 in room temperature ionic liquid. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006, 273, 24-28.	4.7	41
93	Semipermeable membrane embodying noble metal nanoparticles and its electrochemical behaviors. <i>Journal of Electroanalytical Chemistry</i> , 2005, 579, 277-282.	3.8	12
94	Luminescent CdTe quantum dots and nanorods as metal ion probes. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 257-258, 267-271.	4.7	51
95	Fr�chet-type dendrons-capped gold clusters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 257-258, 255-259.	4.7	12
96	Preparation of CdTe nanocrystals and CdTe/SiO <sub>2</sub> nanocomposites in glycol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 257-258, 329-332.	4.7	12
97	Surface effects of monolayer-protected gold nanoparticles on the redox reactions between ferricyanide and thiosulfate. <i>Science in China Series B: Chemistry</i> , 2005, 48, 424.	0.8	11
98	Amperometric Sensor for Hydroxylamine Based on Hybrid Nickel-Cobalt Hexacyanoferrate Modified Electrode. <i>Electroanalysis</i> , 2005, 17, 2190-2194.	2.9	37
99	Highly Photoluminescent CdTe/Poly(N-isopropylacrylamide) Temperature-Sensitive Gels. <i>Advanced Materials</i> , 2005, 17, 163-166.	21.0	201
100	Influence of configuration of carboxylic acid capping ligands on the salt-induced aggregation of gold clusters. <i>Journal of Colloid and Interface Science</i> , 2005, 283, 440-445.	9.4	7
101	Functionalization of single-walled carbon nanotubes with Prussian blue. <i>Electrochemistry Communications</i> , 2004, 6, 1180-1184.	4.7	122
102	�2-Cyclodextrin controlled assembling nanostructures from gold nanoparticles to gold nanowires. <i>Chemical Physics Letters</i> , 2004, 389, 14-18.	2.6	69
103	Mixed ligand system of cysteine and thioglycolic acid assisting in the synthesis of highly luminescent water-soluble CdTe nanorods Electronic supplementary information (ESI) available: instrumentation, discussion of dipole attraction, XRD pattern of CdTe nanorods and TEM image of CdTe nanowires. See <a href="http://www.rsc.org/suppdata/cc/b4/b405623il">http://www.rsc.org/suppdata/cc/b4/b405623il</a> . <i>Chemical Communications</i> , 2004, , 1740.	4.1	109
104	Unique structure and photoluminescence of Au/CdTe nanostructure materials Electronic supplementary information (ESI) available: photoluminescence and UV-Vis spectra of Au nanoparticles, and XRD spectra of CdTe nanocrystals and Au/CdTe. See <a href="http://www.rsc.org/suppdata/cc/b3/b314664b/">http://www.rsc.org/suppdata/cc/b3/b314664b/</a> . <i>Chemical Communications</i> , 2004, , 982.	4.1	17
105	A Wide-Bandgap Semiconducting Polymer for Ultraviolet and Blue Light Emitting Diodes. <i>Macromolecular Chemistry and Physics</i> , 2003, 204, 2274-2280.	2.2	37
106	Preparation, characterization and quantized capacitance of 3-mercapto-1,2-propanediol monolayer protected gold nanoparticles. <i>Chemical Physics Letters</i> , 2003, 372, 668-673.	2.6	13
107	Oriented nano-structured hydroxyapatite from the template. <i>Chemical Physics Letters</i> , 2003, 376, 493-497.	2.6	88
108	Electroactive gold nanoparticles protected by 4-ferrocene thiophenol monolayer. <i>Journal of Colloid and Interface Science</i> , 2003, 264, 109-113.	9.4	21

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109	Self-assembly of 4-ferrocene thiophenol capped electroactive gold nanoparticles onto gold electrode. <i>Surface Science</i> , 2003, 522, 105-111.	1.9	24
110	Electrochemical study of 4-ferrocene thiophenol monolayers assembled on gold nanoparticles. <i>Microelectronic Engineering</i> , 2003, 66, 91-94.	2.4	6
111	Triphenylmethanethiol: a novel rigid capping agent for gold nanoclusters. <i>New Journal of Chemistry</i> , 2003, 27, 498-501.	2.8	4