

Di Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

109
papers

11,331
citations

42
h-index

106
g-index

118
ext. papers

12,030
ext. citations

7.7
avg, IF

6.07
L-index

#	Paper	IF	Citations
109	Asymmetrical DNA engineering of cell membrane via membrane fusion. <i>Chinese Journal of Analytical Chemistry</i> , 2022 , 50, 100053	1.6	
108	Precise Regulating T Cell Activation Signaling with Spatial Controllable Positioning of Receptors on DNA Origami. <i>Chinese Journal of Analytical Chemistry</i> , 2022 , 100091	1.6	1
107	Controlled Delivery 2022 , 525-553		
106	In-situ plasmonic tracking oxygen evolution reveals multistage oxygen diffusion and accumulating inhibition. <i>Nature Communications</i> , 2021 , 12, 2164	17.4	1
105	Magnetic nanochains-based dynamic ELISA for rapid and ultrasensitive detection of acute myocardial infarction biomarkers. <i>Analytica Chimica Acta</i> , 2021 , 1166, 338567	6.6	3
104	Intelligent Probabilistic System for Digital Tracing Cellular Origin of Individual Clinical Extracellular Vesicles. <i>Analytical Chemistry</i> , 2021 , 93, 10343-10350	7.8	6
103	Multienzyme nanoassemblies: from rational design to biomedical applications. <i>Biomaterials Science</i> , 2021 , 9, 7323-7342	7.4	1
102	Detection of B-type natriuretic peptide by establishing a low-cost and replicable fluorescence resonance energy transfer platform. <i>Mikrochimica Acta</i> , 2020 , 187, 331	5.8	5
101	Single-Molecular Catalysis Identifying Activation Energy of the Intermediate Product and Rate-Limiting Step in Plasmonic Photocatalysis. <i>Nano Letters</i> , 2020 , 20, 2507-2513	11.5	26
100	DNA nanotweezers for stabilizing and dynamically lighting up a lipid raft on living cell membranes and the activation of T cells. <i>Chemical Science</i> , 2020 , 11, 1581-1586	9.4	8
99	Photoactive Nanocarriers for Controlled Delivery. <i>Advanced Functional Materials</i> , 2020 , 30, 1903896	15.6	24
98	Engineering CrtW and CrtZ for improving biosynthesis of astaxanthin in Escherichia coli. <i>Chinese Journal of Natural Medicines</i> , 2020 , 18, 666-676	2.8	4
97	Water-soluble myofibrillar protein-pectin complex for enhanced physical stability near the isoelectric point: Fabrication, rheology and thermal property. <i>International Journal of Biological Macromolecules</i> , 2020 , 142, 615-623	7.9	22
96	Impact of gum Arabic on the partition and stability of resveratrol in sunflower oil emulsions stabilized by whey protein isolate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 181, 749-755	6	12
95	Polydopamine-mediated synthesis of core-shell gold@calcium phosphate nanoparticles for enzyme immobilization. <i>Biomaterials Science</i> , 2019 , 7, 2841-2849	7.4	11
94	Progress in Membrane Fusion and Its Application in Drug Delivery. <i>Chinese Journal of Analytical Chemistry</i> , 2019 , 47, 1871-1877	1.6	0
93	Alleviated Inhibition of Single Enzyme in Confined and Crowded Environment. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 82-89	6.4	6

92	Reactivating Catalytic Surface: Insights into the Role of Hot Holes in Plasmonic Catalysis. <i>Small</i> , 2018 , 14, e1703510	11	29
91	Self-assembly of inorganic nanoparticles mediated by host-guest interactions. <i>Current Opinion in Colloid and Interface Science</i> , 2018 , 35, 59-67	7.6	24
90	Guiding protein delivery into live cells using DNA-programmed membrane fusion. <i>Chemical Science</i> , 2018 , 9, 5967-5975	9.4	39
89	Progresses of Single Molecular Fluorescence Resonance Energy Transfer in Studying Biomacromolecule Dynamic Process. <i>Chinese Journal of Analytical Chemistry</i> , 2018 , 46, 803-813	1.6	3
88	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	6.4	10
87	Catalysis-Driven Self-Thermophoresis of Janus Plasmonic Nanomotors. <i>Angewandte Chemie</i> , 2017 , 129, 530-533	3.6	17
86	Catalysis-Driven Self-Thermophoresis of Janus Plasmonic Nanomotors. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 515-518	16.4	70
85	Application Progress of DNA Nanostructures in Drug Delivery and Smart Drug Carriers. <i>Chinese Journal of Analytical Chemistry</i> , 2017 , 45, 1078-1087	1.6	6
84	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	16.4	69
83	Nanoplasmonic Biological Sensing and Imaging. <i>Acta Chimica Sinica</i> , 2017 , 75, 1036	3.3	24
82	Research Progresses in Single Molecule Enzymology. <i>Chinese Journal of Analytical Chemistry</i> , 2016 , 44, 1437-1446	1.6	
81	Recent Progresses in Molecule Motors Driven by Enzymatic Reactions. <i>Chinese Journal of Analytical Chemistry</i> , 2016 , 44, 1133-1139	1.6	4
80	DNA-directed assembly of gold nanohalo for quantitative plasmonic imaging of single-particle catalysis. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4292-5	16.4	111
79	Nanoplasmonic imaging of latent fingerprints with explosive RDX residues. <i>Analytical Chemistry</i> , 2015 , 87, 9403-7	7.8	40
78	Visualizing dopamine released from living cells using a nanoplasmonic probe. <i>Nanoscale</i> , 2015 , 7, 15070-4	4.7	11
77	Optical approaches in study of nanocatalysis with single-molecule and single-particle resolution. <i>Frontiers of Optoelectronics</i> , 2015 , 8, 379-393	2.8	5
76	Optical monitoring of faradaic reaction using single plasmon-resonant nanorods functionalized with graphene. <i>Chemical Communications</i> , 2015 , 51, 3223-6	5.8	18
75	Unraveling the role of hydrogen peroxide in β -synuclein aggregation using an ultrasensitive nanoplasmonic probe. <i>Analytical Chemistry</i> , 2015 , 87, 1968-73	7.8	31

74	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	7.9	57
73	Nanoplasmonic Imaging of Latent Fingerprints and Identification of Cocaine. <i>Angewandte Chemie</i> , 2013 , 125, 11756-11759	3.6	29
72	Nanoplasmonic imaging of latent fingerprints and identification of cocaine. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11542-5	16.4	127
71	Pattern recognition analysis of proteins using DNA-decorated catalytic gold nanoparticles. <i>Small</i> , 2013 , 9, 2844-9	11	52
70	Nucleic Acid Enzyme-Based DNA Nanomachine for Biosensing 2013 , 307-320		
69	Single-step rapid assembly of DNA origami nanostructures for addressable nanoscale bioreactors. <i>Journal of the American Chemical Society</i> , 2013 , 135, 696-702	16.4	213
68	Nanoplasmonic detection of adenosine triphosphate by aptamer regulated self-catalytic growth of single gold nanoparticles. <i>Chemical Communications</i> , 2012 , 48, 9574-6	5.8	48
67	DNAzyme-based rolling-circle amplification DNA machine for ultrasensitive analysis of microRNA in <i>Drosophila larva</i> . <i>Analytical Chemistry</i> , 2012 , 84, 7664-9	7.8	162
66	Optical Detection of Non-amplified Genomic DNA. <i>Soft and Biological Matter</i> , 2012 , 153-183	0.8	2
65	Self-assembled multivalent DNA nanostructures for noninvasive intracellular delivery of immunostimulatory CpG oligonucleotides. <i>ACS Nano</i> , 2011 , 5, 8783-9	16.7	555
64	A methylation-stimulated DNA machine: an autonomous isothermal route to methyltransferase activity and inhibition analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 3459-64	4.4	25
63	Catalytic Gold Nanoparticles for Nanoplasmonic Detection of DNA Hybridization. <i>Angewandte Chemie</i> , 2011 , 123, 12200-12204	3.6	48
62	Catalytic gold nanoparticles for nanoplasmonic detection of DNA hybridization. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11994-8	16.4	268
61	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, 6278-80	5.8	155
60	Universal optical assays based on multi-component nanoprobe for genomic deoxyribonucleic acid and proteins. <i>Analytica Chimica Acta</i> , 2011 , 702, 114-9	6.6	4
59	Gold nanoparticle-based sensing strategies for biomolecular detection. <i>Pure and Applied Chemistry</i> , 2010 , 82, 81-89	2.1	16
58	Target-responsive structural switching for nucleic acid-based sensors. <i>Accounts of Chemical Research</i> , 2010 , 43, 631-41	24.3	655
57	A graphene-based fluorescent nanoprobe for silver(I) ions detection by using graphene oxide and a silver-specific oligonucleotide. <i>Chemical Communications</i> , 2010 , 46, 2596-8	5.8	432

56	An electrochemically actuated reversible DNA switch. <i>Nano Letters</i> , 2010 , 10, 1393-7	11.5	68
55	Self-catalyzed, self-limiting growth of glucose oxidase-mimicking gold nanoparticles. <i>ACS Nano</i> , 2010 , 4, 7451-8	16.7	416
54	A quartz crystal microbalance-based molecular ruler for biopolymers. <i>Chemical Communications</i> , 2010 , 46, 949-51	5.8	24
53	A silicon nanowire-based electrochemical glucose biosensor with high electrocatalytic activity and sensitivity. <i>Nanoscale</i> , 2010 , 2, 1704-7	7.7	39
52	A graphene-enhanced molecular beacon for homogeneous DNA detection. <i>Nanoscale</i> , 2010 , 2, 1021-6	7.7	206
51	Graphene oxide-facilitated electron transfer of metalloproteins at electrode surfaces. <i>Langmuir</i> , 2010 , 26, 1936-9	4	194
50	Graphene-based antibacterial paper. <i>ACS Nano</i> , 2010 , 4, 4317-23	16.7	1540
49	Graphene on Au(111): a highly conductive material with excellent adsorption properties for high-resolution bio/nanodetection and identification. <i>ChemPhysChem</i> , 2010 , 11, 585-9	3.2	180
48	Inside Cover: Graphene on Au(111): A Highly Conductive Material with Excellent Adsorption Properties for High-Resolution Bio/Nanodetection and Identification (ChemPhysChem 3/2010). <i>ChemPhysChem</i> , 2010 , 11, 530-530	3.2	1
47	Comparative Studies on Electrocatalytic Activities of Chemically Reduced Graphene Oxide and Electrochemically Reduced Graphene Oxide Noncovalently Functionalized with Poly(methylene blue). <i>Electroanalysis</i> , 2010 , 22, 2862-2870	3	17
46	A Graphene Nanoprobe for Rapid, Sensitive, and Multicolor Fluorescent DNA Analysis. <i>Advanced Functional Materials</i> , 2010 , 20, 453-459	15.6	1234
45	Gating of redox currents at gold nanoelectrodes via DNA hybridization. <i>Advanced Materials</i> , 2010 , 22, 2148-50	24	37
44	Long-term antimicrobial effect of silicon nanowires decorated with silver nanoparticles. <i>Advanced Materials</i> , 2010 , 22, 5463-7	24	220
43	Inhibition of the in vitro replication of DNA by an aptamer-protein complex in an autonomous DNA machine. <i>Chemistry - A European Journal</i> , 2009 , 15, 11898-903	4.8	68
42	The enzyme-amplified amperometric DNA sensor using an electrodeposited polymer redox mediator. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 746-750		4
41	Design of a carbon nanotube/magnetic nanoparticle-based peroxidase-like nanocomplex and its application for highly efficient catalytic oxidation of phenols. <i>Nano Research</i> , 2009 , 2, 617-623	10	129
40	Multi-functional crosslinked Au nanoaggregates for the amplified optical DNA detection. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 3311-5	11.8	51
39	Sequence-specific DNA detection by using biocatalyzed electrochemiluminescence and non-fouling surfaces. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 368-72	11.8	38

38	Adenosine detection by using gold nanoparticles and designed aptamer sequences. <i>Analyst, The</i> , 2009 , 134, 1355-60	5	143
37	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, 7660-67.8	7.8	391
36	Biomolecular sensing via coupling DNA-based recognition with gold nanoparticles. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 203001	3	39
35	Design of a gold nanoprobe for rapid and portable mercury detection with the naked eye. <i>Chemical Communications</i> , 2008 , 4885-7	5.8	139
34	Following protein kinase activity by electrochemical means and contact angle measurements. <i>Chemical Communications</i> , 2008 , 2376-8	5.8	32
33	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	47
32	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	4.8	23
31	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, 232-9	3.8	108
30	Optical analysis of Hg ²⁺ ions by oligonucleotide-gold-nanoparticle hybrids and DNA-based machines. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3927-31	16.4	609
29	Optical Analysis of Hg ²⁺ Ions by Oligonucleotide-Gold-Nanoparticle Hybrids and DNA-Based Machines. <i>Angewandte Chemie</i> , 2008 , 120, 3991-3995	3.6	147
28	Switchable charge transport path via a potassium ions promoted conformational change of G-quadruplex probe monolayer. <i>Electrochemistry Communications</i> , 2008 , 10, 1258-1260	5.1	8
27	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, 5804-5	16.4	310
26	Encoded and enzyme-activated nanolithography of gold and magnetic nanoparticles on silicon. <i>Langmuir</i> , 2007 , 23, 2293-6	4	15
25	Synthesis, characterization, electrochemistry and optical properties of a novel phenanthrenequinone- alt-dialkylfluorene conjugated copolymer. <i>Polymer International</i> , 2007 , 56, 1507-1513	2.3	18
24	Proteins modified with DNAzymes or aptamers act as biosensors or biosensor labels. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2570-6	11.8	102
23	Spotlighting of cocaine by an autonomous aptamer-based machine. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3814-5	16.4	255
22	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 , 3544-6	5.8	98
21	Probing of enzyme reactions by the biocatalyst-induced association or dissociation of redox labels linked to monolayer-functionalized electrodes. <i>Chemical Communications</i> , 2006 , 5027-9	5.8	41

20	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	5.1	39
19	Semipermeable membrane embodying noble metal nanoparticles and its electrochemical behaviors. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 579, 277-282	4.1	12
18	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	5.1	42
17	Fröhlich-type dendrons-capped gold clusters. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 257-258, 255-259	5.1	12
16	Preparation of CdTe nanocrystals and CdTe/SiO ₂ nanocomposites in glycol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 257-258, 329-332	5.1	11
15	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		10
14	Amperometric Sensor for Hydroxylamine Based on Hybrid Nickel-Cobalt Hexacyanoferrate Modified Electrode. <i>Electroanalysis</i> , 2005 , 17, 2190-2194	3	32
13	Highly Photoluminescent CdTe/Poly(N-isopropylacrylamide) Temperature-Sensitive Gels. <i>Advanced Materials</i> , 2005 , 17, 163-166	24	194
12	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, 440-5	9.3	6
11	Functionalization of single-walled carbon nanotubes with Prussian blue. <i>Electrochemistry Communications</i> , 2004 , 6, 1180-1184	5.1	112
10	β-Cyclodextrin controlled assembling nanostructures from gold nanoparticles to gold nanowires. <i>Chemical Physics Letters</i> , 2004 , 389, 14-18	2.5	63
9	Mixed ligand system of cysteine and thioglycolic acid assisting in the synthesis of highly luminescent water-soluble CdTe nanorods. <i>Chemical Communications</i> , 2004 , 1740-1	5.8	107
8	Unique structure and photoluminescence of Au/CdTe nanostructure materials. <i>Chemical Communications</i> , 2004 , 982-3	5.8	17
7	Triphenylmethanethiol: a novel rigid capping agent for gold nanoclusters. <i>New Journal of Chemistry</i> , 2003 , 27, 498-501	3.6	4
6	A Wide-Bandgap Semiconducting Polymer for Ultraviolet and Blue Light Emitting Diodes. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 2274-2280	2.6	36
5	Preparation, characterization and quantized capacitance of 3-mercapto-1,2-propanediol monolayer protected gold nanoparticles. <i>Chemical Physics Letters</i> , 2003 , 372, 668-673	2.5	13
4	Oriented nano-structured hydroxyapatite from the template. <i>Chemical Physics Letters</i> , 2003 , 376, 493-497	5	84
3	Electroactive gold nanoparticles protected by 4-ferrocene thiophenol monolayer. <i>Journal of Colloid and Interface Science</i> , 2003 , 264, 109-13	9.3	20

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| 2 | Self-assembly of 4-ferrocene thiophenol capped electroactive gold nanoparticles onto gold electrode. <i>Surface Science</i> , 2003 , 522, 105-111 | 1.8 | 20 |
| 1 | Electrochemical study of 4-ferrocene thiophenol monolayers assembled on gold nanoparticles. <i>Microelectronic Engineering</i> , 2003 , 66, 91-94 | 2.5 | 6 |