

# Qing Liu

## List of Publications by Year in descending order

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84  
papers

2,841  
citations

147801

31  
h-index

189892

50  
g-index

87  
all docs

87  
docs citations

87  
times ranked

3080  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel label-free electrochemical immunosensor based on functionalized nitrogen-doped graphene quantum dots for carcinoembryonic antigen detection. <i>Biosensors and Bioelectronics</i> , 2017, 90, 31-38.	10.1	165
2	Palladium-Catalyzed Cycloisomerizations of ( <i>Z</i> )-1-Iodo-1,6-dienes: Iodine Atom Transfer and Mechanistic Insight to Alkyl Iodide Reductive Elimination. <i>Journal of the American Chemical Society</i> , 2011, 133, 6187-6193.	13.7	163
3	Transition-Metal-Catalyzed Electrophilic Amination: Application of <i>O</i> -Benzoylhydroxylamines in the Construction of the C-N Bond. <i>Chemistry - A European Journal</i> , 2017, 23, 2481-2511.	3.3	115
4	Core-shell Au@Pd nanoparticles with enhanced catalytic activity for oxygen reduction reaction via core-shell Au@Ag/Pd constructions. <i>Scientific Reports</i> , 2015, 5, 11949.	3.3	112
5	An ultrasensitive sandwich-type electrochemical immunosensor based on the signal amplification strategy of echinoidea-shaped Au@Ag-Cu <sub>2</sub> O nanoparticles for prostate specific antigen detection. <i>Biosensors and Bioelectronics</i> , 2018, 99, 450-457.	10.1	112
6	Synthesis of Ultrathin Face-Centered Cubic Au@Pt and Au@Pd Core-Shell Nanoplates from Hexagonal Close-Packed Au Square Sheets. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5672-5676.	13.8	111
7	Transition Metal-Catalyzed Reactions Involving Oximes. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 710-771.	4.3	110
8	Ultrasensitive amperometric immunosensor for PSA detection based on Cu <sub>2</sub> O@CeO <sub>2</sub> -Au nanocomposites as integrated triple signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2017, 87, 630-637.	10.1	102
9	Sandwich-type electrochemical immunosensor for sensitive detection of CEA based on the enhanced effects of Ag NPs@CS spaced Hemin/rGO. <i>Biosensors and Bioelectronics</i> , 2019, 126, 785-791.	10.1	87
10	Sandwich-type electrochemical immunosensor based on Au@Ag supported on functionalized phenolic resin microporous carbon spheres for ultrasensitive analysis of $\alpha$ -fetoprotein. <i>Biosensors and Bioelectronics</i> , 2018, 106, 142-148.	10.1	74
11	Electrochemical immunosensor based on MoS <sub>2</sub> NFs/Au@AgPt YNCs as signal amplification label for sensitive detection of CEA. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111580.	10.1	69
12	A label-free electrochemical immunosensor based on the novel signal amplification system of AuPdCu ternary nanoparticles functionalized polymer nanospheres. <i>Biosensors and Bioelectronics</i> , 2018, 103, 151-157.	10.1	63
13	A label-free immunosensor based on PtPd NCs@MoS <sub>2</sub> nanoenzymes for hepatitis B surface antigen detection. <i>Biosensors and Bioelectronics</i> , 2019, 142, 111556.	10.1	61
14	Ultrasensitive non-enzymatic immunosensor for carcino-embryonic antigen based on palladium hybrid vanadium pentoxide/multiwalled carbon nanotubes. <i>Biosensors and Bioelectronics</i> , 2016, 77, 1104-1111.	10.1	58
15	A Signal Amplification Strategy of CuPtRh CNB-Embedded Ammoniated Ti <sub>3</sub> C <sub>2</sub> MXene for Detecting Cardiac Troponin I by a Sandwich-Type Electrochemical Immunosensor. <i>ACS Applied Bio Materials</i> , 2020, 3, 377-384.	4.6	54
16	Transition-Metal-Catalyzed Cyanation by Using an Electrophilic Cyanating Agent, <i>N</i> -Cyanophenyl- <i>p</i> -toluenesulfonamide (NCTS). <i>Chemistry - an Asian Journal</i> , 2018, 13, 482-495.	3.3	51
17	A sandwich-type amperometric immunosensor fabricated by Au@Pd NDs/Fe <sub>2</sub> +CS/PPy NTs and Au NPs/NH <sub>2</sub> -GS to detect CEA sensitively via two detection methods. <i>Biosensors and Bioelectronics</i> , 2018, 122, 231-238.	10.1	50
18	Mulberry-like Au@PtPd porous nanorods composites as signal amplifiers for sensitive detection of CEA. <i>Biosensors and Bioelectronics</i> , 2020, 149, 111842.	10.1	50

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19	Electrochemical Immunosensors for Sensitive Detection of Neuron-Specific Enolase Based on Small-Size Trimetallic Au@Pd <sup>+</sup> Pt Nanocubes Functionalized on Ultrathin MnO <sub>2</sub> Nanosheets as Signal Labels. ACS Biomaterials Science and Engineering, 2020, 6, 1418-1427.	5.2	48
20	Palladium-Catalyzed 6-Endo Selective Alkyl-Heck Reactions: Access to 5-Phenyl-1,2,3,6-tetrahydropyridine Derivatives. Organic Letters, 2016, 18, 3774-3777.	4.6	47
21	Ultrasensitive detection of chloramphenicol using electrochemical aptamer sensor: A mini review. Electrochemistry Communications, 2020, 120, 106835.	4.7	46
22	A sandwich-type electrochemical immunosensor based on RhPt NDs/NH <sub>2</sub> -GS and Au NPs/PPy NS for quantitative detection hepatitis B surface antigen. Bioelectrochemistry, 2019, 126, 92-98.	4.6	45
23	Recent advances in transition metal migration involving reactions. Organic Chemistry Frontiers, 2020, 7, 3530-3556.	4.5	43
24	Label-free immunosensors based on a novel multi-amplification signal strategy of TiO <sub>2</sub> -NGO/Au@Pd hetero-nanostructures. Biosensors and Bioelectronics, 2019, 127, 174-180.	10.1	42
25	Palladium-catalyzed atom transfer radical cyclization of unactivated alkyl iodide. Organic and Biomolecular Chemistry, 2012, 10, 7274.	2.8	41
26	Electrochemical immunosensor based on Au/Co-BDC/MoS <sub>2</sub> and DPCN/MoS <sub>2</sub> for the detection of cardiac troponin I. Biosensors and Bioelectronics, 2021, 175, 112883.	10.1	41
27	Recent Advances in Palladium-Catalyzed Carboxylation with CO <sub>2</sub> . European Journal of Organic Chemistry, 2018, 2018, 696-713.	2.4	38
28	A dual-signal output electrochemical immunosensor based on Au@MoS <sub>2</sub> /MOF catalytic cycle amplification strategy for neuron-specific enolase ultrasensitive detection. Biosensors and Bioelectronics, 2022, 195, 113648.	10.1	38
29	Palladium-Catalyzed Cyclization-Heck Reaction of Allenamides: An Approach to 3-Methylene-5-phenyl-1,2,3,4-tetrahydropyridine Derivatives. Organic Letters, 2017, 19, 86-89.	4.6	36
30	Cyclization-oxidation of 1,6-enyne derivatived from Baylis-Hillman adducts via Pd(II)/Pd(IV)-catalyzed reactions: stereoselective synthesis of multi-substituted bicyclo[3.1.0] hexanes and insight into reaction pathways. Tetrahedron Letters, 2008, 49, 6924-6928.	1.4	34
31	Palladium-catalyzed cascade metallo-ene/Suzuki coupling reaction of allenamides. Chemical Communications, 2017, 53, 3138-3141.	4.1	34
32	Sandwich-type electrochemical immunosensor based on Au@Pt DNRs/NH <sub>2</sub> -MoSe <sub>2</sub> NSs nanocomposite as signal amplifiers for the sensitive detection of alpha-fetoprotein. Bioelectrochemistry, 2019, 128, 140-147.	4.6	34
33	Sensitive amperometric immunosensor with improved electrocatalytic Au@Pd urchin-shaped nanostructures for human epididymis specific protein 4 antigen detection. Analytica Chimica Acta, 2019, 1069, 117-125.	5.4	32
34	Nitrogen-doped fluorescent carbon dots for highly sensitive and selective detection of tannic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 210, 111-119.	3.9	31
35	Recent Progress in Palladium-Catalyzed Radical Reactions. Advanced Synthesis and Catalysis, 2021, 363, 1527-1558.	4.3	30
36	Ultrasensitive sandwich-type immunosensor for cardiac troponin I based on enhanced electrocatalytic reduction of H <sub>2</sub> O <sub>2</sub> using $\beta$ -cyclodextrins functionalized 3D porous graphene-supported Pd@Au nanocubes. Journal of Materials Chemistry B, 2019, 7, 1460-1468.	5.8	29

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37	Electrochemical immunosensor based on hollow porous Pt skin AgPt alloy/NGR as a dual signal amplification strategy for sensitive detection of Neuron-specific enolase. <i>Biosensors and Bioelectronics</i> , 2022, 197, 113779.	10.1	26
38	A sensitive label-free immunosensor for alpha fetoprotein detection using platinum nanodendrites loaded on functional MoS <sub>2</sub> hybridized polypyrrole nanotubes as signal amplifier. <i>Journal of Electroanalytical Chemistry</i> , 2019, 835, 197-204.	3.8	25
39	“Gold-plated” IRMOF-3 and sea cucumber-like Pd@PtRh SNRs based sandwich-type immunosensor for dual-mode detection of PCT. <i>Biosensors and Bioelectronics</i> , 2020, 170, 112667.	10.1	25
40	Separation of Biological Events from the Photoanode: Toward the Ferricyanide-Mediated Redox Cyclic Photoelectrochemical System of an Integrated Photoanode and Photocathode. <i>ACS Sensors</i> , 2020, 5, 3540-3546.	7.8	23
41	Palladium-catalyzed Heck-type reaction of oxime ether bearing a pendant vinyl iodide moiety. <i>Chemical Communications</i> , 2011, 47, 12206.	4.1	22
42	A label-free amperometric immunosensor for the detection of carcinoembryonic antigen based on novel magnetic carbon and gold nanocomposites. <i>RSC Advances</i> , 2015, 5, 19961-19969.	3.6	22
43	An ultrasensitive sandwich-type electrochemical immunosensor based on the signal amplification system of double-deck gold film and thionine unite with platinum nanowire inlaid globular SBA-15 microsphere. <i>Biosensors and Bioelectronics</i> , 2017, 91, 424-430.	10.1	21
44	A label-free immunosensor for the sensitive detection of hepatitis B e antigen based on PdCu tripod functionalized porous graphene nanoenzymes. <i>Bioelectrochemistry</i> , 2020, 133, 107461.	4.6	21
45	An ultrasensitive label-free electrochemical immunosensor based on signal amplification strategy of multifunctional magnetic graphene loaded with cadmium ions. <i>Scientific Reports</i> , 2016, 6, 21281.	3.3	20
46	Copper-catalyzed 5-exo-trig radical cyclization/borylation of alkyl halides: access to functionalized pyrrolidine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 8508-8512.	2.8	20
47	Palladium-catalyzed intermolecular [4 + 2] formal cycloaddition with <i>Z</i> -3-iodo allylic nucleophiles and allenamides. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2651-2656.	2.8	19
48	A palladium-catalyzed regiocontrollable hydroarylation reaction of allenamides with B <sub>2</sub> pin <sub>2</sub> /H <sub>2</sub> O. <i>Chemical Communications</i> , 2019, 55, 4355-4358.	4.1	18
49	An optionality further amplification of an sandwich-type electrochemical immunosensor based on biotin-streptavidin-biotin strategy for detection of alpha fetoprotein. <i>RSC Advances</i> , 2016, 6, 24373-24380.	3.6	16
50	Palladium-catalyzed intramolecular reductive olefin hydrocarbonation: benzylic hydrogen serving as a new hydrogen donor. <i>Chemical Communications</i> , 2017, 53, 4903-4906.	4.1	16
51	Palladium/Norbornene Catalyzed <i>ortho</i> Amination/Cyclization of Aryl Iodide: Process to 3-Methyl-indole Derivates and Controllable Reductive Elimination against the Second Amination. <i>Organic Letters</i> , 2021, 23, 2988-2993.	4.6	16
52	The preparation of hollow AgPt@Pt core-shell nanoparticles loaded on polypyrrole nanosheet modified electrode and its application in immunosensor. <i>Bioelectrochemistry</i> , 2020, 131, 107352.	4.6	15
53	Palladium-catalyzed intramolecular aerobic alkenylhydroxylation of allenamides with alkenyl iodides. <i>Organic Chemistry Frontiers</i> , 2020, 7, 3880-3886.	4.5	15
54	Recent advance in the synthesis of (1,1-difluoroethyl)arenes. <i>Journal of Fluorine Chemistry</i> , 2018, 216, 102-106.	1.7	13

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55	A sandwich-type electrochemical immunosensor based on Au@Pd nanodendrite functionalized MoO <sub>2</sub> nanosheet for highly sensitive detection of HBsAg. <i>Bioelectrochemistry</i> , 2021, 138, 107713.	4.6	13
56	Palladium-Catalyzed Direct Oxidative Esterification of Indoles at the C3 Position: A Novel Prospect for C(sp <sup>2</sup> ) <sup>2</sup> -H Acyloxylation. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 341-345.	2.7	12
57	Palladium/Copper Co-Catalyzed Cascade Metalloene/Sonogashira Coupling Reaction of Allenamides. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1793-1796.	2.7	12
58	Pd-Catalyzed oxidative isomerization of propargylic acetates: highly efficient access to $\alpha$ -acetoxyenones via alkenyl Csp <sup>2</sup> -O bond-forming reductive elimination from PdIV. <i>Chemical Communications</i> , 2016, 52, 10644-10647.	4.1	10
59	An ultrasensitive sandwich-type electrochemical immunosensor based on functionalized mesoporous carbon for IgG detection. <i>RSC Advances</i> , 2016, 6, 31824-31830.	3.6	10
60	Amperometric immunoassay for the carcinoembryonic antigen by using a peroxidase mimic consisting of palladium nanospheres functionalized with glutathione-capped gold nanoparticles on graphene oxide. <i>Mikrochimica Acta</i> , 2019, 186, 693.	5.0	9
61	Pd-Catalyzed Tandem Coupling Reaction of $\alpha$ -Dibromovinylanilines and <i>N</i> -tosylhydrazones to Construct $\alpha$ -(1-phenylvinyl)indoles. <i>Advanced Synthesis and Catalysis</i> , 2019, 43, 361, 3599-3604.	4.3	9
62	An electrochemical amplification strategy based on the ferrocene functionalized cuprous oxide superparticles for the detection of NSE. <i>Talanta</i> , 2022, 236, 122865.	5.5	9
63	An efficient electrochemical immunosensor for Alpha-Fetoprotein detection based on the CoFe prussian blue analog combined PdAg hybrid nanodendrites. <i>Bioelectrochemistry</i> , 2022, 145, 108080.	4.6	8
64	Palladium-catalyzed heck-type cascade cyclization of ( <i>Z</i> )-1-iodo-1,6-dienes with <i>N</i> -tosyl hydrazones. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7356-7360.	2.8	7
65	An organocatalytic method for constructing pyrroles via the cycloisomerisation of ( <i>Z</i> )-1-iodo-4- <i>N</i> -methylbenzenesulfonyl-1,6-enynes. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7669-7673.	2.8	7
66	1,1-Difluoroethyl chloride (CH <sub>3</sub> CF <sub>2</sub> Cl), a novel difluoroalkylating reagent for 1,1-difluoroethylation of arylboronic acids. <i>RSC Advances</i> , 2019, 9, 28409-28413.	3.6	7
67	Nickel-Catalyzed 1,1-Difluoroethylation of (Hetero)aryl Halides with 1,1-Difluoroethyl Chloride (CH <sub>3</sub> CF <sub>2</sub> Cl) in the Presence of a Pd Catalyst. <i>Journal of Organic Chemistry</i> , 2019, 84, 7843-7847.	2.7	7
68	Highly diastereoselective synthesis of an octahydro-1 <i>H</i> -cyclopenta[ <i>c</i> ]pyridine skeleton via a Pd/Au-relay catalyzed reaction of ( <i>Z</i> )-1-iodo-1,6-diene and alkyne. <i>Organic Chemistry Frontiers</i> , 2022, 9, 3186-3191.	4.5	7
69	Palladium-Catalyzed Cycloisomerization of ( <i>Z</i> )-1-Iodo-1,6-dienes to $\alpha$ -Aza-bicyclo[4.1.0]hept-2-enes. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 840-843.	2.7	6
70	1,2,4-Oxadiazole ring-containing pyridylpyrazole-4-carboxamides: Synthesis and evaluation as novel insecticides of the anthranilic diamide family. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 1981-1992.	2.6	6
71	Ligand-Regulated Palladium-Catalyzed Regiodivergent Hydroarylation of the Distal Double Bond of Allenamides with Aryl Boronic Acid. <i>Journal of Organic Chemistry</i> , 2021, 86, 13276-13288.	3.2	6
72	Pd-Catalyzed Cascade Metalloene Cyclization/Metalloene Carbene Coupling of Allenamides. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1538-1542.	2.4	5

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73	Synthesis, insecticidal activities, and structure-activity relationships of 1,3,4-oxadiazole-containing pyridylpyrazole-carboxamides as novel insecticides of the anthranilic diamide family. <i>Journal of Heterocyclic Chemistry</i> , 0, , .	2.6	5
74	Label-Free Electrochemical Immunosensor Based on MoS <sub>2</sub> @m-SiO <sub>2</sub> /Ag as the Signal Amplification Platform for Sensitive Detection of CA15-3. <i>Journal of the Electrochemical Society</i> , 2020, 167, 137512.	2.9	5
75	Palladium-Catalyzed Domino Process to Construct 2,3,9,9-tetrahydro-1H-fluorene Derivatives: Transient $\eta^5$ -Alkylpalladium(II) Complex Mediated C(sp <sup>2</sup> )-H Bond Activation. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 2201-2204.	2.7	4
76	Simultaneous electrochemical determination of two hepatitis B antigens using graphene-SnO <sub>2</sub> hybridized with sea urchin-like bimetallic nanoparticles. <i>Mikrochimica Acta</i> , 2021, 188, 109.	5.0	4
77	A Label-Free Electrochemical Immunosensor Based on AuAgPt NDs Functionalized MoO <sub>2</sub> Nanosheets for Highly Sensitive Detection of AFP. <i>Journal of the Electrochemical Society</i> , 2021, 168, 057506.	2.9	4
78	Heterostructure photoelectrochemical immunosensor based on flower-like refraction structure Cd-ZnIn <sub>2</sub> S <sub>4</sub> sensitized 2D hexagonal SnS <sub>2</sub> nanoplates for CA242 detection. <i>Sensors and Actuators B: Chemical</i> , 2022, 367, 132186.	7.8	4
79	Label-Free Amperometric Immunosensor Based on Au@Pt DNPs/MoSe <sub>2</sub> @MoS <sub>2</sub> with Multiple Signal Amplification Capabilities for Squamous Cell Carcinoma Antigen Detection. <i>Journal of the Electrochemical Society</i> , 2020, 167, 027547.	2.9	3
80	A Sandwich-Type Electrochemical Immunosensor based on Pd Nanocubes Functionalized MoO <sub>2</sub> Nanospheres for Highly Sensitive Detection of CEA. <i>Journal of the Electrochemical Society</i> , 2020, 167, 167526.	2.9	3
81	Pd/Et <sub>3</sub> N $\cdot$ HI-Catalyzed Intramolecular C-H Alkylation to Access $\alpha$ -Annulated Indoles via Highly Regioselective Ring-Opening of Epoxides. <i>Journal of Organic Chemistry</i> , 2022, 87, 7995-8004.	3.2	3
82	Frontispiece: Transition-Metal-Catalyzed Electrophilic Amination: Application of $\alpha$ -Benzoylhydroxylamines in the Construction of the C-N Bond. <i>Chemistry - A European Journal</i> , 2017, 23, .	3.3	2
83	Palladium-catalyzed cascade 5-exo-trig radical cyclization/aromatic C-H alkylation with unactivated alkyl iodides. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 2676-2680.	2.8	2
84	A palladium/Et <sub>3</sub> N $\cdot$ HI-catalyzed highly selective 7-endo alkyl-Heck-type reaction of epoxides and a DFT study on the mechanism. <i>Organic Chemistry Frontiers</i> , 0, , .	4.5	2