

# Long Yang

## List of Publications by Year in descending order

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57  
papers

1,484  
citations

304602

22  
h-index

345118

36  
g-index

57  
all docs

57  
docs citations

57  
times ranked

1667  
citing authors

#	ARTICLE	IF	CITATIONS
1	A robust electrochemical immunosensor based on hydroxyl pillar[5]arene@AuNPs@g-C <sub>3</sub> N <sub>4</sub> hybrid nanomaterial for ultrasensitive detection of prostate specific antigen. <i>Biosensors and Bioelectronics</i> , 2018, 112, 31-39.	5.3	86
2	Water-soluble pillar[6]arene functionalized nitrogen-doped carbon quantum dots with excellent supramolecular recognition capability and superior electrochemical sensing performance towards TNT. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 362-371.	4.0	72
3	Nitrogen-doped carbon dots with high quantum yield for colorimetric and fluorometric detection of ferric ions and in a fluorescent ink. <i>Mikrochimica Acta</i> , 2019, 186, 67.	2.5	67
4	Developing High-Performance Cellulose-Based Wood Adhesive with a Cross-Linked Network. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 16849-16861.	3.2	61
5	Adsorption and corrosion behaviour of <i>Trichoderma harzianum</i> for AZ31B magnesium alloy in artificial seawater. <i>Corrosion Science</i> , 2017, 118, 12-23.	3.0	59
6	The synthesis of amphiphilic pillar[5]arene functionalized reduced graphene oxide and its application as novel fluorescence sensing platform for the determination of acetaminophen. <i>Biosensors and Bioelectronics</i> , 2017, 91, 863-869.	5.3	59
7	Superstrong Adhesive of Isocyanate-Free Polyurea with a Branched Structure. <i>ACS Applied Polymer Materials</i> , 2021, 3, 1638-1651.	2.0	59
8	<i>Bacillus cereus</i> s-EPS as a dual bio-functional corrosion and scale inhibitor in artificial seawater. <i>Water Research</i> , 2019, 166, 115094.	5.3	57
9	Facile and Green Approach To Prepare Nanostructured Au@MnO <sub>2</sub> and Its Applications for Catalysis and Fluorescence Sensing of Glutathione in Human Blood. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3948-3956.	3.2	56
10	Novel Highly Branched Polymer Wood Adhesive Resin. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 5209-5216.	3.2	55
11	In vivo retention of poloxamer-based in situ hydrogels for vaginal application in mouse and rat models. <i>Acta Pharmaceutica Sinica B</i> , 2017, 7, 502-509.	5.7	47
12	Extracellular electron transfer of <i>Bacillus cereus</i> biofilm and its effect on the corrosion behaviour of 316L stainless steel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 139-147.	2.5	46
13	Indicator displacement assay for cholesterol electrochemical sensing using a calix[6]arene functionalized graphene-modified electrode. <i>Analyst</i> , 2016, 141, 270-278.	1.7	45
14	Corrosion Behavior of Titanium in Artificial Saliva by Lactic Acid. <i>Materials</i> , 2014, 7, 5528-5542.	1.3	44
15	Characterization of the Low Molar Ratio Urea-Formaldehyde Resin with <sup>13</sup> C NMR and ESI-MS: Negative Effects of the Post-Added Urea on the Urea-Formaldehyde Polymers. <i>Polymers</i> , 2018, 10, 602.	2.0	44
16	Green Synthesis of Hydroxylatopillar[5]arene-Modified Gold Nanoparticles and Their Self-Assembly, Sensing, and Catalysis Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3938-3947.	3.2	41
17	Layer-by-layer assembly of anionic-/cationic-pillar[5]arenes multilayer films as chiral interface for electrochemical recognition of tryptophan isomers. <i>Electrochimica Acta</i> , 2018, 277, 1-8.	2.6	41
18	Facile and clean synthesis of dihydroxylatopillar[5]arene-stabilized gold nanoparticles integrated Pd/MnO <sub>2</sub> nanocomposites for robust and ultrasensitive detection of cardiac troponin I. <i>Biosensors and Bioelectronics</i> , 2019, 130, 214-224.	5.3	36

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19	One-Step Synthesis of Novel Photoluminescent Nitrogen-Rich Carbon Nanodots from Allylamine for Highly Sensitive and Selective Fluorescence Detection of Trinitrophenol and Fluorescent Ink. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11716-11723.	3.2	35
20	Ultrasensitive Electrochemical Detection of <i>Clostridium perfringens</i> DNA Based Morphology-Dependent DNA Adsorption Properties of CeO <sub>2</sub> Nanorods in Dairy Products. <i>Sensors</i> , 2018, 18, 1878.	2.1	30
21	Electrochemical determination of methyl parathion based on pillar[5]arene@AuNPs@reduced graphene oxide hybrid nanomaterials. <i>New Journal of Chemistry</i> , 2019, 43, 13048-13057.	1.4	29
22	Electrochemical recognition of nitrophenol isomers by assembly of pillar[5]arenes multilayers. <i>Analytica Chimica Acta</i> , 2018, 1036, 49-57.	2.6	26
23	A robust host-guest interaction controlled probe immobilization strategy for the ultrasensitive detection of HBV DNA using hollow HP5@Au/CoS nanobox as biosensing platform. <i>Biosensors and Bioelectronics</i> , 2020, 153, 112051.	5.3	24
24	Compounds inhibitory to nematophagous fungi produced by <i>Bacillus</i> sp. strain H6 isolated from fungistatic soil. <i>European Journal of Plant Pathology</i> , 2007, 117, 329-340.	0.8	23
25	Water-soluble pillar[6]arene functionalized PdPt porous core-shell octahedral nanodendrites to construct highly sensitive and robust neuron-specific enolase immunosensor by host-guest chemistry assisted catalytic amplification. <i>Analytica Chimica Acta</i> , 2019, 1068, 18-27.	2.6	23
26	Water-soluble amino pillar[5]arene functionalized gold nanoclusters as fluorescence probes for the sensitive determination of dopamine. <i>Microchemical Journal</i> , 2019, 150, 104084.	2.3	20
27	Ultrasensitive and robust electrochemical sensing platform for the detection of squamous cell carcinoma antigen using water-soluble pillar [5]arene-Pd/MoS <sub>2</sub> nanocomposites. <i>Electrochimica Acta</i> , 2019, 313, 235-244.	2.6	19
28	Pillar[6]arene@AuNPs Functionalized N-CQDs@Co <sub>3</sub> O <sub>4</sub> Hybrid Composite for Ultrasensitive Electrochemical Detection of Human Epididymis Protein 4. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 10161-10172.	3.2	17
29	A sustainable way to reuse Cr(VI) into an efficient biological nanometer electrocatalyst by <i>Bacillus megaterium</i> . <i>Journal of Hazardous Materials</i> , 2021, 409, 124942.	6.5	17
30	Control assembly of Au nanoparticles on macrocyclic host molecule cationic pillar [5]arene functionalized MoS <sub>2</sub> surface for enhanced sensing activity towards p-dinitrobenzene. <i>Analytica Chimica Acta</i> , 2019, 1078, 60-69.	2.6	16
31	The simultaneous preparation of nano cupric oxide (CuO) and phenol formaldehyde (PF) resin in one system: aimed to apply as wood adhesives. <i>European Journal of Wood and Wood Products</i> , 2020, 78, 471-482.	1.3	16
32	Immunosensor for prostate-specific antigen using Au/Pd@flower-like SnO <sub>2</sub> as platform and Au@mesoporous carbon as signal amplification. <i>RSC Advances</i> , 2015, 5, 74046-74053.	1.7	15
33	Synthesis of the light/pH responsive polymer for immobilization of $\alpha$ -amylase. <i>Materials Science and Engineering C</i> , 2017, 71, 75-83.	3.8	15
34	Electrochemical DNA Biosensor Based on Magnetite/Multiwalled Carbon Nanotubes/Chitosan Nanocomposite for <i>Bacillus Cereus</i> Detection of Potential Marker for Gold Prospecting. <i>Electroanalysis</i> , 2018, 30, 910-920.	1.5	15
35	ZIF-8@s-EPS as a novel hydrophilic multifunctional biomaterial for efficient scale inhibition, antibacterial and antifouling in water treatment. <i>Science of the Total Environment</i> , 2021, 773, 145706.	3.9	15
36	Ultrasensitive electrochemical sensing of dopamine by using dihydroxylatopillar[5]arene-modified gold nanoparticles and anionic pillar[5]arene-functionalized graphitic carbon nitride. <i>Mikrochimica Acta</i> , 2019, 186, 703.	2.5	14

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37	One-step and green strategy for exfoliation and stabilization of graphene by phosphate pillar[6]arene and its application for fluorescence sensing of paraquat. <i>Microchemical Journal</i> , 2019, 150, 104203.	2.3	12
38	<i>Streptococcus Sanguis</i> Biofilm Architecture and Its Influence on Titanium Corrosion in Enriched Artificial Saliva. <i>Materials</i> , 2017, 10, 255.	1.3	11
39	Graphene oxide decorated bimetal (MnNi) oxide nanoflakes used as an electrocatalyst for enhanced oxygen evolution reaction in alkaline media. <i>Arabian Journal of Chemistry</i> , 2020, 13, 4553-4563.	2.3	11
40	A cost effective strategy to fabricate STA@PF@Cu <sub>2</sub> O hierarchical structure on wood surface: aimed at superhydrophobic modification. <i>Wood Science and Technology</i> , 2021, 55, 565-583.	1.4	11
41	Synthesis of a smart Janus-like supramolecular polymer based on the host-guest chemistry and its self-assembly. <i>Journal of Materials Chemistry A</i> , 2015, 3, 17098-17105.	5.2	10
42	Highly-effective palladium nanoclusters supported on <i>para</i> -sulfonated calix[8]arene-functionalized carbon nanohorns for ethylene glycol and glycerol oxidation reactions. <i>New Journal of Chemistry</i> , 2018, 42, 4631-4638.	1.4	10
43	Effects of Molar Ratio and pH on the Condensed Structures of Melamine-Formaldehyde Polymers. <i>Materials</i> , 2018, 11, 2571.	1.3	9
44	Incorporation of a nano/micro CuO formulation into phenol formaldehyde (PF) resin: Curing kinetics, morphological analysis, and application. <i>Journal of Wood Chemistry and Technology</i> , 2019, 39, 372-383.	0.9	9
45	Synthesis of supramolecular polymer based on noncovalent host-guest-inclusion complexation and its reversible self-assembly. <i>New Journal of Chemistry</i> , 2016, 40, 6825-6833.	1.4	7
46	Synthesis and facile structure-adjusting of Pd-Pt nanocrystal electrocatalysts with improved activity for ethanol oxidation reaction. <i>New Journal of Chemistry</i> , 2019, 43, 17954-17962.	1.4	7
47	Palladium-Catalyzed Preparation of <i>N</i> -Substituted Benz[ <i>c</i> ], <i>d</i> ]indol-2-imines and <i>N</i> -Substituted Amino-1-naphthylamides. <i>Journal of Organic Chemistry</i> , 2022, 87, 8515-8524.	1.7	7
48	Ultrasmall Pd and PtPd nanoparticles for highly efficient catalysis directed by predesigned Morchella-inspired encapsulation. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 368-375.	5.0	6
49	Superhydrophobic wood surface fabricated by Cu <sub>2</sub> O nano-particles and stearic acid: its acid/alkali and wear resistance. <i>Holzforschung</i> , 2021, 75, 917-931.	0.9	6
50	A stable Au-N bond controlled probe immobilization approach for the sensitive detection of kirsten rat sarcoma viral oncogene DNA using NH <sub>2</sub> -HMS@Au. <i>Journal of Materials Science</i> , 2022, 57, 10328-10342.	1.7	6
51	Bacterial-driven upcycling spent Ag into high-performance catalyst for toxic organics reduction. <i>Chemosphere</i> , 2022, 305, 135421.	4.2	5
52	Temporary Inhibition of the Corrosion of AZ31B Magnesium Alloy by Formation of <i>Bacillus subtilis</i> Biofilm in Artificial Seawater. <i>Materials</i> , 2019, 12, 523.	1.3	4
53	Synthesis of Hydroxylatopillar[6]arene-Controlled Gold Nanoparticles-Cellulose Nanocrystals and Their Applications. <i>Langmuir</i> , 2020, 36, 6399-6410.	1.6	2
54	Pillar[6]arene-modified gold nanoparticles grafted on cellulose nanocrystals for the electrochemical detection of bisphenol A. <i>New Journal of Chemistry</i> , 2021, 45, 14126-14133.	1.4	2

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55	Facile and clean separation of Pb(II) from soil and recycling by pH-triggered microbial technology. Chemical Engineering Journal, 2021, 424, 130394.	6.6	2
56	Dynamic reversible adhesives based on crosslinking network <i>via</i> Schiff base and Michael addition. RSC Advances, 2022, 12, 15241-15250.	1.7	2
57	A regenerable and reducing false-positive fluorescent switch for detection of $\beta$ -amyloid 1 <sup>~</sup> 42 oligomers. Talanta, 2022, 246, 123461.	2.9	1