

# Longgang Wang

## List of Publications by Year in descending order

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45  
papers

1,161  
citations

394421

19  
h-index

395702

33  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1509  
citing authors

#	ARTICLE	IF	CITATIONS
1	ZnCl <sub>2</sub> • Water • Salt • Electrolyte Transforms the Performance of Vanadium Oxide as a Zn Battery Cathode. <i>Advanced Functional Materials</i> , 2019, 29, 1902653.	14.9	213
2	Gold nanoshell-based betulinic acid liposomes for synergistic chemo-photothermal therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1891-1900.	3.3	73
3	Green synthesis of platinum nanoclusters using lentinan for sensitively colorimetric detection of glucose. <i>International Journal of Biological Macromolecules</i> , 2021, 172, 289-298.	7.5	71
4	Reducing the Cytotoxicity of Poly(amidoamine) Dendrimers by Modification of a Single Layer of Carboxybetaine. <i>Langmuir</i> , 2013, 29, 8914-8921.	3.5	49
5	Surface protonation/deprotonation controlled instant affinity switch of nano drug vehicle (NDV) for pH triggered tumor cell targeting. <i>Biomaterials</i> , 2015, 62, 116-127.	11.4	49
6	•Stealth•dendrimers with encapsulation of indocyanine green for photothermal and photodynamic therapy of cancer. <i>International Journal of Pharmaceutics</i> , 2021, 600, 120502.	5.2	35
7	Highly stable and biocompatible dendrimer-encapsulated gold nanoparticle catalysts for the reduction of 4-nitrophenol. <i>New Journal of Chemistry</i> , 2017, 41, 8399-8406.	2.8	33
8	Synthesis of gold nanoflowers stabilized with amphiphilic daptomycin for enhanced photothermal antitumor and antibacterial effects. <i>International Journal of Pharmaceutics</i> , 2020, 580, 119231.	5.2	33
9	Green synthesis of stable platinum nanoclusters with enhanced peroxidase-like activity for sensitive detection of glucose and glutathione. <i>Microchemical Journal</i> , 2021, 166, 106202.	4.5	33
10	Biomaterialized synthesis of palladium nanoflowers for photothermal treatment of cancer and wound healing. <i>International Journal of Pharmaceutics</i> , 2022, 615, 121489.	5.2	33
11	Development of Robust and Recoverable Ultralow-Fouling Coatings Based on Poly(carboxybetaine) Ester Analogue. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 16938-16945.	8.0	32
12	Dual•Channel Flexible Strain Sensors Based on Mechanofluorescent and Conductive Hydrogel Laminates. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	32
13	Highly hemocompatible zwitterionic micelles stabilized by reversible cross-linkage for anti-cancer drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 115, 384-390.	5.0	31
14	Green synthesis of palladium nanoparticles using lentinan for catalytic activity and biological applications. <i>RSC Advances</i> , 2019, 9, 38265-38270.	3.6	31
15	Polyethyleneimine-Stabilized Platinum Nanoparticles as Peroxidase Mimic for Colorimetric Detection of Glucose. <i>ACS Omega</i> , 2020, 5, 6800-6808.	3.5	29
16	Enhanced biocompatibility of PAMAM dendrimers benefiting from tuning their surface charges. <i>Materials Science and Engineering C</i> , 2018, 93, 332-340.	7.3	28
17	Metal organic framework (MOF) derived iron phosphide as a highly stable and efficient catalyst for hydrogen evolution. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3078-3084.	4.9	22
18	Highly biocompatible zwitterionic dendrimer-encapsulated platinum nanoparticles for sensitive detection of glucose in complex medium. <i>New Journal of Chemistry</i> , 2019, 43, 9076-9083.	2.8	21

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19	Highly biocompatible jujube polysaccharide-stabilized palladium nanoparticles with excellent catalytic performance. <i>New Journal of Chemistry</i> , 2019, 43, 7646-7652.	2.8	20
20	Biocompatible bovine serum albumin stabilized platinum nanoparticles for the oxidation of morin. <i>New Journal of Chemistry</i> , 2019, 43, 8774-8780.	2.8	19
21	Zwitterionic daptomycin stabilized palladium nanoparticles with enhanced peroxidase-like properties for glucose detection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 633, 127797.	4.7	19
22	Dendrimer-Based Biocompatible Zwitterionic Micelles for Efficient Cellular Internalization and Enhanced Antitumor Effects. <i>ACS Applied Polymer Materials</i> , 2020, 2, 159-171.	4.4	18
23	Biocompatible Dendrimer-Encapsulated Palladium Nanoparticles for Oxidation of Morin. <i>ACS Omega</i> , 2019, 4, 18685-18691.	3.5	17
24	Doxorubicin-loaded natural daptomycin micelles with enhanced targeting and anti-tumor effect in vivo. <i>European Journal of Medicinal Chemistry</i> , 2021, 222, 113582.	5.5	17
25	Green Synthesis of Gold Nanoparticles Using Longan Polysaccharide and their Reduction of 4-nitrophenol and Biological Applications. <i>Nano</i> , 2020, 15, 2050002.	1.0	16
26	<i>Ginkgo biloba</i> leaf polysaccharide stabilized palladium nanoparticles with enhanced peroxidase-like property for the colorimetric detection of glucose. <i>RSC Advances</i> , 2020, 10, 7012-7018.	3.6	16
27	Highly stable and biocompatible zwitterionic dendrimer-encapsulated palladium nanoparticles that maintain their catalytic activity in bacterial solution. <i>New Journal of Chemistry</i> , 2018, 42, 19740-19748.	2.8	15
28	Ultra-small biocompatible jujube polysaccharide stabilized platinum nanoclusters for glucose detection. <i>Analyst</i> , 2019, 144, 5179-5185.	3.5	15
29	Polyethyleneimine-oleic acid micelle-stabilized gold nanoparticles for reduction of 4-nitrophenol with enhanced performance. <i>Transition Metal Chemistry</i> , 2020, 45, 31-39.	1.4	15
30	Zwitterionic Polypeptide-Based Nanodrug Augments pH-Triggered Tumor Targeting via Prolonging Circulation Time and Accelerating Cellular Internalization. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 46639-46652.	8.0	14
31	Biocompatible Platinum Nanoclusters Prepared Using Bitter Melon Polysaccharide for Colorimetric Detection of Ascorbic Acid. <i>Biomolecules</i> , 2021, 11, 647.	4.0	13
32	Peroxidase-Like Platinum Clusters Synthesized by <i>Ganoderma lucidum</i> Polysaccharide for Sensitive Colorimetric Detection of Dopamine. <i>Molecules</i> , 2021, 26, 2738.	3.8	13
33	Self-assembly synthesis of flower-like gold nanoparticles for photothermal treatment of cancer. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 647, 129163.	4.7	13
34	Development of biocompatible PAMAM dendrzyme™ to maintain catalytic activity in biological complex medium. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4259.	5.8	12
35	Polyethyleneimine-stabilized palladium nanoparticles for reduction of 4-nitrophenol. <i>Transition Metal Chemistry</i> , 2019, 44, 655-662.	1.4	12
36	Highly water-soluble, pH sensitive and biocompatible PAMAM dendrzyme™ to maintain catalytic activity in complex medium. <i>Materials Science and Engineering C</i> , 2017, 78, 315-323.	7.3	11

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37	Enhanced glucose detection using dendrimer encapsulated gold nanoparticles benefiting from their zwitterionic surface. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 2267-2280.	3.5	10
38	Green Synthesis of Jujube Polysaccharide-Stabilized Gold Nanoparticles for Reduction of 4-Nitrophenol. <i>ChemistrySelect</i> , 2019, 4, 11483-11487.	1.5	9
39	Effect of Carbonized 2-Methylnaphthalene on the Hydrogen Storage Performance of MgH <sub>2</sub> . <i>ACS Applied Energy Materials</i> , 2021, 4, 11505-11513.	5.1	5
40	Development of a Protein Mimic with Peptide Ligands to Enhance Specific Sensing and Targeting by the Zwitterionic Surface Engineering of Poly(amido amine) Dendrimers. <i>Advanced Materials Interfaces</i> , 2014, 1, 1300059.	3.7	4
41	Development of an Ultrasmall and Biocompatible Platinum Nanozyme Encapsulated by Zwitterionic Dendrimer for Highly Sensitive Detection of Glucose. <i>Langmuir</i> , 2022, 38, 5568-5578.	3.5	4
42	Polyethyleneimine-Oleic Acid Micelles-Stabilized Palladium Nanoparticles as Highly Efficient Catalyst to Treat Pollutants with Enhanced Performance. <i>Polymers</i> , 2021, 13, 1890.	4.5	3
43	Development of an Integrated High Serum Stability Zwitterionic Polypeptide-Based Nanodrug with Both Rapid Internalization and Endocellular Drug Releasing for Efficient Targeted Chemotherapy. <i>Langmuir</i> , 2021, 37, 14015-14025.	3.5	2
44	Palladium Nanoparticles Stabilized by Lentinan with Enhanced Peroxidase-Like Activity for Sensitive Detection of H <sub>2</sub> O <sub>2</sub> . <i>ChemistrySelect</i> , 2022, 7, .	1.5	1
45	Facile preparation of nanomicelles using polymyxin E for enhanced antitumor effects. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2022, 33, 329-341.	3.5	0