

# Caihua Ni

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

961  
citations

516710

16  
h-index

501196

28  
g-index

61  
all docs

61  
docs citations

61  
times ranked

1438  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Synthesis, characterisation and ethylene oligomerization behaviour of N-(2-substituted-5,6,7-trihydroquinolin-8-ylidene)arylamino nickel dichlorides. <i>New Journal of Chemistry</i> , 2011, 35, 178-183.                                 | 2.8  | 98        |
| 2  | Studies of syntheses and adsorption properties of chelating resin from thiourea and formaldehyde. <i>Journal of Applied Polymer Science</i> , 2001, 82, 3127-3132.   | 2.6  | 85        |
| 3  | Hydrophobic modification of sodium alginate and its application in drug controlled release. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 457-463.  | 3.4  | 58        |
| 4  | Syntheses of silsesquioxane (POSS)-based inorganic/organic hybrid and the application in reinforcement for an epoxy resin. <i>Journal of Colloid and Interface Science</i> , 2011, 362, 94-99.   | 9.4  | 47        |
| 5  | Zwitterionic pH/redox nanoparticles based on dextran as drug carriers for enhancing tumor intercellular uptake of doxorubicin. <i>Materials Science and Engineering C</i> , 2016, 61, 278-285.   | 7.3  | 38        |
| 6  | Fabrication of 3D biomimetic composite coating with broadband antireflection, superhydrophilicity, and double p-n heterojunctions. <i>Nano Research</i> , 2017, 10, 2377-2385.   | 10.4 | 38        |
| 7  | Preparation of polyelectrolyte complex nanoparticles of chitosan and poly(2-acrylamido-2-methylpropanesulfonic acid) for doxorubicin release. <i>Materials Science and Engineering C</i> , 2016, 58, 724-729.                              | 7.3  | 32        |
| 8  | Preparation of pH/redox dual responsive polymeric micelles with enhanced stability and drug controlled release. <i>Materials Science and Engineering C</i> , 2018, 91, 727-733.  | 7.3  | 31        |
| 9  | Preparation and pH controlled release of polyelectrolyte complex of poly(l-malic acid-co-d,l-lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 5.0 29   | 5.0  | 29        |
| 10 | Ionic Liquid-Assisted Exfoliation of Two-Dimensional Metal-Organic Frameworks for Luminescent Sensing. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 2167-2175.  | 6.7  | 27        |
| 11 | The preparation of inorganic/organic hybrid nanomaterials containing silsesquioxane and its reinforcement for an epoxy resin network. <i>Colloid and Polymer Science</i> , 2010, 288, 469-477.   | 2.1  | 24        |
| 12 | High-efficient liquid exfoliation of 2D metal-organic framework using deep-eutectic solvents. <i>Ultrasonics Sonochemistry</i> , 2021, 72, 105461.   | 8.2  | 23        |
| 13 | The synthesis of modified alginate flocculants and their properties for removing heavy metal ions of wastewater. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46577.   | 2.6  | 22        |
| 14 | Preparation of xanthan gum nanogels and their pH/redox responsiveness in controlled release. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47921.   | 2.6  | 22        |
| 15 | The preparation and properties of hybridized hydrogels based on cubic thiol-functionalized silsesquioxane covalently linked with poly(N-isopropylacrylamide). <i>Colloid and Polymer Science</i> , 2011, 289, 1777-1782.                   | 2.1  | 20        |
| 16 | Preparation and controlled drug release ability of the poly[N-isopropylacrylamide-co-allyl poly(ethylene glycol)]-b-poly( $\beta$ -benzyl-L-glutamate) polymeric micelles. <i>Materials Science and Engineering C</i> , 2019, 98, 910-917. | 7.3  | 17        |
| 17 | Preparation and adsorption properties of chelating resins from thiosemicarbazide and formaldehyde. <i>Journal of Applied Polymer Science</i> , 2009, 112, 2455-2461.   | 2.6  | 16        |
| 18 | Preparations of hyperbranched polymer nano micelles and the pH/redox controlled drug release behaviors. <i>Materials Science and Engineering C</i> , 2017, 79, 116-122.  | 7.3  | 16        |

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|----|---|-----|-----------|
| 19 | The polyion complex nano-prodrug of doxorubicin (DOX) with poly(lactic acid-co-malic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50<br>Research, 2015, 24, 1189-1195.   | 2.4 | 15        |
| 20 | Synthesis of polyglycolic acid grafting from sodium alginate through direct polycondensation and its application as drug carrier. Journal of Materials Science, 2015, 50, 7835-7841.                        | 3.7 | 15        |
| 21 | Studies on core-shell structural nano-micelles based on star block copolymer of poly(lactide) and poly(2-(dimethylamino)ethyl methacrylate). Colloid and Polymer Science, 2010, 288, 1193-1200.             | 2.1 | 14        |
| 22 | Fabricating sub-100nm conducting polymer nanowires by edge nanoimprint lithography. Journal of Colloid and Interface Science, 2015, 458, 300-304.   | 9.4 | 14        |
| 23 | Surface Charge Convertible and Biodegradable Synthetic Zwitterionic Nanoparticles for Enhancing Cellular Drug Uptake. Macromolecular Bioscience, 2016, 16, 308-313.   | 4.1 | 14        |
| 24 | Reduction-responsive zwitterionic nanogels based on carboxymethyl chitosan for enhancing cellular uptake in drug release. Colloid and Polymer Science, 2016, 294, 629-637.                                  | 2.1 | 14        |
| 25 | Preparation of redox responsive modified xanthan gum nanoparticles and the drug controlled release. International Journal of Polymeric Materials and Polymeric Biomaterials, 2021, 70, 994-1001.            | 3.4 | 14        |
| 26 | Covalently cross-linked and hydrophobically modified alginic acid hydrogels and their application as drug carriers. Polymer Engineering and Science, 2013, 53, 1583-1589.                                   | 3.1 | 13        |
| 27 | Hierarchical porous polyaniline supercapacitor electrode from polyaniline/silica self-aggregates. Polymer International, 2018, 67, 1670-1676.   | 3.1 | 12        |
| 28 | Grafting Polymerization of N-isopropylacrylamide on the Surfaces of Silica by ATRP and Its Application in HPLC. Soft Materials, 2010, 8, 14-28.   | 1.7 | 11        |
| 29 | Drug release behavior of poly (lactic-glycolic acid) grafting from sodium alginate (ALG-g-PLGA) prepared by direct polycondensation. Journal of Biomaterials Science, Polymer Edition, 2015, 26, 1152-1162. | 3.5 | 11        |
| 30 | Preparation of surface-modified, micrometer-sized carboxymethyl chitosan drug-loaded microspheres. Journal of Applied Polymer Science, 2018, 135, 45731.  | 2.6 | 10        |
| 31 | Preparation and flocculation properties of modified alginate amphiphilic polymeric nano-flocculants. Environmental Science and Pollution Research, 2019, 26, 32397-32406.                                   | 5.3 | 10        |
| 32 | Sustainable synthesis of nitrogen-doped porous carbon with improved electrocatalytic performance for hydrogen evolution. New Journal of Chemistry, 2019, 43, 3078-3083.                                     | 2.8 | 10        |
| 33 | Synthesis of core-crosslinked zwitterionic polymer nano aggregates and pH/Redox responsiveness in drug controlled release. Materials Science and Engineering C, 2020, 106, 110288.                          | 7.3 | 9         |
| 34 | Iridium-catalyzed cascade dehydrogenation, ring-closure reaction leading to 2,4,6-triaryl-1,3,5-triazines. Russian Journal of General Chemistry, 2016, 86, 380-386.   | 0.8 | 8         |
| 35 | Fabricating composite supercapacitor electrodes of polyaniline and aniline-terminated silica by mechanical agitation and sonication. Journal of Solid State Electrochemistry, 2018, 22, 1249-1256.          | 2.5 | 8         |
| 36 | Micro-nano fabrication of hierarchical PPy/TiO <sub>2</sub> /Si by continuous self-assembly technology. Materials and Manufacturing Processes, 2018, 33, 378-382.   | 4.7 | 8         |

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|----|---|-----|-----------|
| 37 | Emulsifier-free emulsion copolymerization of styrene and sodium 1-allyloxy-2-hydroxypropane sulfonate. <i>Colloid and Polymer Science</i> , 2007, 285, 1637-1643.   | 2.1 | 7         |
| 38 | Preparations and doxorubicin controlled release of amino-acid based redox/pH dual-responsive nanomicelles. <i>Materials Science and Engineering C</i> , 2017, 77, 920-926.  | 7.3 | 7         |
| 39 | Enhanced photoactivities of ternary composite coating by antireflection and double Pâ€N heterojunctions. <i>Journal of Materials Science</i> , 2017, 52, 1981-1987.   | 3.7 | 7         |
| 40 | Fabricating Biomimetic Antireflective Coating Based on TiO <sub>2</sub> Pyramids by Soft Lithography. <i>ChemistrySelect</i> , 2019, 4, 13392-13395.  | 1.5 | 7         |
| 41 | Preparations and properties of thermosensitive terpolymers of N-isopropylacrylamide, sodium 2-acrylamido-2-methyl-propanesulfonate, and N-tert-butylacrylamide. <i>Journal of Applied Polymer Science</i> , 2007, 105, 2299-2305.                   | 2.6 | 6         |
| 42 | Preparation of pH-sensitive zwitterionic nano micelles and drug controlled release for enhancing cellular uptake. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2016, 27, 643-656.  | 3.5 | 6         |
| 43 | Synthesis and characterization of polypyrrole doped by cage silsesquioxane with carboxyl groups. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 470-475.   | 2.7 | 6         |
| 44 | Preparation of modified alginate nanoflocculant and adsorbing properties for Pb <sup>2+</sup> in wastewater. <i>Russian Journal of Applied Chemistry</i> , 2017, 90, 641-647.   | 0.5 | 6         |
| 45 | A new kind of polyion complex nanoparticles and the covalent drug-loading pattern for doxorubicin and pH-controlled release. <i>Colloid and Polymer Science</i> , 2013, 291, 2843-2850.   | 2.1 | 5         |
| 46 | Synthesis of poly(vinyl alcohol-graft-lactic acid) copolymer and its application as medical anti-tissue adhesion thin film. <i>Polymer Bulletin</i> , 2015, 72, 1515-1529.  | 3.3 | 5         |
| 47 | Studies on the preparation and controlled release of redox/pH-responsive zwitterionic nanoparticles based on poly-L-glutamic acid and cystamine. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 646-662.                       | 3.5 | 5         |
| 48 | Studies on preparations and pH/redox responsiveness of zwitterionic nanomicelles of poly[lysine-co-N,N-bis(acryloyl)cystamine-co-dodecylamine]. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2018, 67, 528-534. | 3.4 | 5         |
| 49 | Preparation of poly(N-Butyl Acrylate-Co-Glycidyl Methacrylate) and its Application in Enhancement of Epoxy Resin. <i>Polymer-Plastics Technology and Engineering</i> , 2014, 53, 262-267.   | 1.9 | 4         |
| 50 | Preparation of Poly(N-butyl methacrylate-co-glycidyl methacrylate) and Toughness Improvement for Powder Epoxy Resin E663. <i>Polymer-Plastics Technology and Engineering</i> , 2015, 54, 881-888.   | 1.9 | 4         |
| 51 | Patterning thermoplastic polymers by fast room-temperature imprinting. <i>Journal of Materials Science</i> , 2018, 53, 5429-5435.   | 3.7 | 4         |
| 52 | Fabrication of polyaniline/octa-(aminopropylsilsesquioxane) with enhanced electrochemical capacitance and improved cycling stability via in situ polymerization. <i>Polymer Bulletin</i> , 2018, 75, 3395-3406.                                     | 3.3 | 4         |
| 53 | Preparation of Drug-Eluting Microspheres Based on Semi-Interpenetrating Polymer Network of Modified Chitosan and Poly(2-acrylamide-2-methylpropanesulfonic acid). <i>Polymer Science - Series A</i> , 2019, 61, 61-69.                              | 1.0 | 4         |
| 54 | Degradation of Sodium Polystyrene Sulfonate and the Radical Initiated Polymerization of Styrene Under Ultrasonic Irradiation. <i>Polymer-Plastics Technology and Engineering</i> , 2011, 50, 1262-1265.   | 1.9 | 3         |

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|----|--|-----|-----------|
| 55 | Preparation of Composites of Silica/PNIPAm by Coupling Reaction and Their Application in HPLC. International Journal of Polymer Analysis and Characterization, 2012, 17, 61-71.  | 1.9 | 3         |
| 56 | Degradation of Alginate and Polymerization of Styrene Initiated by Alginate Macroradicals under Ultrasonic Irradiation. International Journal of Polymeric Materials and Polymeric Biomaterials, 2013, 62, 50-55.                | 3.4 | 3         |
| 57 | Preparations and properties of drug-eluting embolization microspheres based on modified gelatin. Soft Materials, 2018, 16, 117-125.  | 1.7 | 3         |
| 58 | Preparation and characterization of magnetic star-shaped amphiphilic copolymer nanoparticles of $\text{SiO}_2/\text{Fe}_3\text{O}_4/\text{PLA}/\text{MPEG}$ . Polymer Composites, 2012, 33, 2134-2139.                           | 4.6 | 2         |
| 59 | Self-assembly and solid-state photo polymerization of acrylamide crystal film. Colloid and Polymer Science, 2009, 287, 73-79.  | 2.1 | 1         |
| 60 | Studies on syntheses and dynamic swelling of pH-sensitive macroporous poly(N-isopropylacrylamide-co-acrylic acid) hydrogels. Polymer Science - Series A, 2010, 52, 19-25.  | 1.0 | 1         |
| 61 | Graft copolymerization of N-isopropylacrylamide with 3-(methacryloxy)propyl trimethoxysilane on ultrafine silica and its application in chromatography separation. Frontiers of Chemical Engineering in China, 2008, 2, 242-247. | 0.6 | 0         |