

Li-Qiang Chu

List of Publications by Citations

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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.

46
papers

1,473
citations

21
h-index

38
g-index

46
ext. papers

1,733
ext. citations

6.6
avg, IF

4.95
L-index

#	Paper	IF	Citations
46	Ultrafast transient absorption microscopy studies of carrier dynamics in epitaxial graphene. <i>Nano Letters</i> , 2010 , 10, 1308-13	11.5	143
45	Synthesis and characterization of antibacterial carboxymethyl Chitosan/ZnO nanocomposite hydrogels. <i>International Journal of Biological Macromolecules</i> , 2016 , 88, 273-9	7.9	106
44	Development of bacterial cellulose/chitosan based semi-interpenetrating hydrogels with improved mechanical and antibacterial properties. <i>International Journal of Biological Macromolecules</i> , 2019 , 122, 380-387	7.9	104
43	Development and antibacterial activities of bacterial cellulose/graphene oxide-CuO nanocomposite films. <i>Carbohydrate Polymers</i> , 2020 , 229, 115456	10.3	82
42	Preparation, characterization and antibacterial applications of carboxymethyl chitosan/CuO nanocomposite hydrogels. <i>International Journal of Biological Macromolecules</i> , 2017 , 101, 690-695	7.9	75
41	Recent Advances in Antimicrobial Hydrogels Containing Metal Ions and Metals/Metal Oxide Nanoparticles. <i>Polymers</i> , 2017 , 9,	4.5	72
40	Facile fabrication of moldable antibacterial carboxymethyl chitosan supramolecular hydrogels cross-linked by metal ions complexation. <i>Carbohydrate Polymers</i> , 2017 , 165, 455-461	10.3	71
39	A facile construction of bacterial cellulose/ZnO nanocomposite films and their photocatalytic and antibacterial properties. <i>International Journal of Biological Macromolecules</i> , 2019 , 132, 692-700	7.9	62
38	Injectable self-healing carboxymethyl chitosan-zinc supramolecular hydrogels and their antibacterial activity. <i>International Journal of Biological Macromolecules</i> , 2018 , 114, 1233-1239	7.9	57
37	Applications of cellulose and chitin/chitosan derivatives and composites as antibacterial materials: current state and perspectives. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 1989-2006	5.7	56
36	Base-induced delignification of <i>Miscanthus x giganteus</i> studied by three-dimensional confocal Raman imaging. <i>Bioresource Technology</i> , 2010 , 101, 4919-25	11	53
35	Preparation and characterization of a photocatalytic antibacterial material: Graphene oxide/TiO/bacterial cellulose nanocomposite. <i>Carbohydrate Polymers</i> , 2017 , 174, 1078-1086	10.3	52
34	Surface-plasmon-enhanced fluorescence spectroscopy for DNA detection using fluorescently labeled PNA as "DNA indicator". <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4944-7	16.4	46
33	Improvement of antimicrobial activity of graphene oxide/bacterial cellulose nanocomposites through the electrostatic modification. <i>Carbohydrate Polymers</i> , 2016 , 136, 1152-60	10.3	36
32	Stabilization of plasma-polymerized allylamine films by ethanol extraction. <i>Langmuir</i> , 2006 , 22, 5548-51	4	36
31	Spatial correlation of confocal Raman scattering and secondary ion mass spectrometric molecular images of lignocellulosic materials. <i>Analytical Chemistry</i> , 2010 , 82, 2608-11	7.8	32
30	Pulsed Plasma Polymerized Di(ethylene glycol) Monovinyl Ether Coatings for Nonfouling Surfaces. <i>Chemistry of Materials</i> , 2006 , 18, 4840-4844	9.6	32

29	Thermosensitive surfaces fabricated by plasma polymerization of N,N-diethylacrylamide. <i>Surface and Coatings Technology</i> , 2008 , 202, 2047-2051	4.4	24
28	Pulsed plasma polymerized maleic anhydride films in humid air and in aqueous solutions studied with optical waveguide spectroscopy. <i>Langmuir</i> , 2006 , 22, 2822-6	4	24
27	Facile synthesis of bacterial cellulose and polyethyleneimine based hybrid hydrogels for antibacterial applications. <i>Cellulose</i> , 2020 , 27, 369-383	5.5	23
26	Continuous production of antibacterial carboxymethyl chitosan-zinc supramolecular hydrogel fiber using a double-syringe injection device. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 252-261	7.9	23
25	Reusable ternary PVA films containing bacterial cellulose fibers and β -polylysine with improved mechanical and antibacterial properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 183, 110486	6	21
24	Plasma polymerized epoxide functional surfaces for DNA probe immobilization. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 118-22	11.8	18
23	Characterization of UV-Induced Graft Polymerization of Poly(acrylic acid) Using Optical Waveguide Spectroscopy. <i>Macromolecules</i> , 2006 , 39, 8742-8746	5.5	18
22	Exosomes from different cells: Characteristics, modifications, and therapeutic applications. <i>European Journal of Medicinal Chemistry</i> , 2020 , 207, 112784	6.8	18
21	Surface-Plasmon-Enhanced Fluorescence Spectroscopy for DNA Detection Using Fluorescently Labeled PNA as DNA Indicator. <i>Angewandte Chemie</i> , 2007 , 119, 5032-5035	3.6	17
20	Harnessing the affinity of magnetic nanoparticles toward dye-labeled DNA and developing it as an universal aptasensor revealed by lipopolysaccharide detection. <i>Analytica Chimica Acta</i> , 2018 , 1036, 107-114	6.6	17
19	Enhanced fluorescence of carboxymethyl chitosan via metal ion complexation in both solution and hydrogel states. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 50-56	7.9	16
18	Facile Incorporation of Silver Nanoparticles into Quaternized Poly(2-(Dimethylamino)Ethyl Methacrylate) Brushes as Bifunctional Antibacterial Coatings. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1700069	3.9	15
17	BSA-Sugar Conjugates as Ideal Building Blocks for SPR-Based Glycan Biosensors. <i>ACS Sensors</i> , 2017 , 2, 57-60	9.2	14
16	Long-range surface plasmon resonance sensors fabricated with plasma polymerized fluorocarbon thin films. <i>Sensors and Actuators B: Chemical</i> , 2015 , 215, 368-372	8.5	14
15	Surface Plasmon-Based Techniques for the Analysis of Plasma Deposited Functional Films and Surfaces. <i>Plasma Processes and Polymers</i> , 2015 , 12, 941-952	3.4	14
14	In situ characterization of moisture sorption/desorption in thin polymer films using optical waveguide spectroscopy. <i>Polymer</i> , 2006 , 47, 7406-7413	3.9	13
13	Fluorescent Neomannosyl Bovine Serum Albumin as Efficient Probe for Mannose Receptor Imaging and MCF-7 Cancer Cell Targeting. <i>ACS Applied Nano Materials</i> , 2018 , 1, 1058-1065	5.6	11
12	Incorporation of multilayered silver nanoparticles into polymer brushes as 3-dimensional SERS substrates and their application for bacteria detection. <i>Applied Surface Science</i> , 2017 , 407, 185-191	6.7	9

11	Plasma polymerized non-fouling thin films for DNA immobilization. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 519-22	11.8	9
10	Polyadenine-mediated Immobilization of Aptamers on a Gold Substrate for the Direct Detection of Bacterial Pathogens. <i>Analytical Sciences</i> , 2019 , 35, 967-972	1.7	8
9	Influence of Plasma Polymerized Dielectric Buffer Layer and Gold Film on the Excitation of Long-Range Surface Plasmon Resonance. <i>Plasmonics</i> , 2016 , 11, 1519-1524	2.4	7
8	Young's modulus of plasma-polymerized allylamine films using micromechanical cantilever sensor and laser-based surface acoustic wave techniques. <i>Plasma Processes and Polymers</i> , 2018 , 15, 1800083	3.4	6
7	Immobilization of silver nanoparticles into POEGMA polymer brushes as SERS-active substrates. <i>Surface and Interface Analysis</i> , 2017 , 49, 316-322	1.5	6
6	Surface Plasmon Resonance Studies of the Hybridization Behavior of DNA-Modified Gold Nanoparticles with Surface-Attached DNA Probes. <i>Plasmonics</i> , 2018 , 13, 903-913	2.4	5
5	Facile production of three-dimensional chitosan fiber embedded with zinc oxide as recoverable photocatalyst for organic dye degradation. <i>International Journal of Biological Macromolecules</i> , 2021 , 181, 150-159	7.9	3
4	Direct immobilization of sugar probes on bovine serum albumin-coated gold substrate for the development of glycan biosensors. <i>Biointerphases</i> , 2019 , 14, 011003	1.8	2
3	Gelation process of carboxymethyl chitosan-zinc supramolecular hydrogel studied with fluorescence imaging and mathematical modelling. <i>International Journal of Pharmaceutics</i> , 2021 , 605, 120804	6.5	2
2	Plasma-Polymerized Allylamine Thin Films for DNA Sensing	271-283	1
1	Preparation and antibacterial activity of silver-loaded poly(oligo(ethylene glycol) methacrylate) brush. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2019 , 30, 756-768	3.5	0