

# Yifeng Wang

## List of Publications by Year in descending order

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49  
papers

1,298  
citations

331670

21  
h-index

361022

35  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1755  
citing authors

#	ARTICLE	IF	CITATIONS
1	Correlation of structure to antitumor activities of five derivatives of a $\beta$ -D-glucan from <i>Poria cocos</i> sclerotium. <i>Carbohydrate Research</i> , 2004, 339, 2567-2574.	2.3	147
2	Chemical components and molecular mass of six polysaccharides isolated from the sclerotium of <i>Poria cocos</i> . <i>Carbohydrate Research</i> , 2004, 339, 327-334.	2.3	127
3	Coupling Electrodeposition with Layer-by-Layer Assembly to Address Proteins within Microfluidic Channels. <i>Advanced Materials</i> , 2011, 23, 5817-5821.	21.0	83
4	Electrodeposition of chitosan/gelatin/nanosilver: A new method for constructing biopolymer/nanoparticle composite films with conductivity and antibacterial activity. <i>Materials Science and Engineering C</i> , 2015, 53, 222-228.	7.3	66
5	Investigation of fluorinated polyacrylate latex with core-shell structure. <i>Polymer International</i> , 2005, 54, 1027-1033.	3.1	59
6	Biofabricating Multifunctional Soft Matter with Enzymes and Stimuli-Responsive Materials. <i>Advanced Functional Materials</i> , 2012, 22, 3004-3012.	14.9	54
7	Surface properties of polyurethanes modified by bioactive polysaccharide-based polyelectrolyte multilayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 100, 77-83.	5.0	52
8	Synthesis and self-assembly of amphiphilic gradient copolymer via RAFT emulsifier-free emulsion polymerization. <i>Journal of Colloid and Interface Science</i> , 2012, 369, 46-51.	9.4	47
9	Hydrogel Cryopreservation System: An Effective Method for Cell Storage. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3330.	4.1	46
10	Autoclave-free facile approach to the synthesis of highly tunable nanocrystal clusters for magnetic responsive photonic crystals. <i>RSC Advances</i> , 2016, 6, 64434-64440.	3.6	45
11	Electrodeposition of chitosan based on coordination with metal ions in situ-generated by electrochemical oxidation. <i>Journal of Materials Chemistry B</i> , 2016, 4, 3331-3338.	5.8	45
12	Chain conformation of carboxymethylated derivatives of (1 $\rightarrow$ 3)- $\beta$ -D-glucan from <i>Poria cocos</i> sclerotium. <i>Carbohydrate Polymers</i> , 2006, 65, 504-509.	10.2	38
13	Chemical components and properties of core-shell acrylate latex containing fluorine in the shell and their films. <i>Journal of Applied Polymer Science</i> , 2006, 99, 107-114.	2.6	38
14	Agar/gelatin bilayer gel matrix fabricated by simple thermo-responsive sol-gel transition method. <i>Materials Science and Engineering C</i> , 2017, 77, 293-299.	7.3	34
15	Study of self-crosslinking acrylate latex containing fluorine. <i>Journal of Applied Polymer Science</i> , 2003, 90, 3609-3616.	2.6	31
16	Gelation of Vesicles and Nanoparticles Using Water-Soluble Hydrophobically Modified Chitosan. <i>Langmuir</i> , 2013, 29, 15302-15308.	3.5	29
17	Amphiphilic gradient copolymers: Synthesis, self-assembly, and applications. <i>European Polymer Journal</i> , 2016, 85, 489-498.	5.4	29
18	Convenient one-step approach based on stimuli-responsive sol-gel transition properties to directly build chitosan-alginate core-shell beads. <i>Food Hydrocolloids</i> , 2019, 87, 253-259.	10.7	27

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19	In situ generation of silver nanoparticles and nanocomposite films based on electrodeposition of carboxylated chitosan. <i>Carbohydrate Polymers</i> , 2020, 242, 116391.	10.2	27
20	Surface modification on polyurethanes by using bioactive carboxymethylated fungal glucan from <i>Poria cocos</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 81, 629-633.	5.0	25
21	Synthesis, characterization, and self-assembly of amphiphilic fluorinated gradient copolymer. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1485-1492.	2.6	22
22	CdS QDs-chitosan microcapsules with stimuli-responsive property generated by gas-liquid microfluidic technique. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 125, 21-27.	5.0	18
23	Layer-by-layer assembled biopolymer microcapsule with separate layer cavities generated by gas-liquid microfluidic approach. <i>Materials Science and Engineering C</i> , 2017, 81, 13-19.	7.3	18
24	Electroaddressing of ZnS Quantum Dots by Codeposition with Chitosan to Construct Fluorescent and Patterned Device Surface. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 15510-15515.	8.0	17
25	Electrodeposition of a carbon dots/chitosan composite produced by a simple in situ method and electrically controlled release of carbon dots. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7511-7517.	5.8	17
26	Effect of annealing on self-organized gradient film obtained from poly(3-[tris(trimethylsilyloxy)silyl]) latexes. <i>Colloid and Polymer Science</i> , 2012, 290, 709-718.	2.1	16
27	Synthesis of fluorinated gradient copolymers by RAFT emulsifier-free emulsion polymerization and their compatibilization in copolymer blends. <i>Colloid and Polymer Science</i> , 2014, 292, 2803-2809.	2.1	15
28	Preparation and structure of fluorinated/non-fluorinated polyacrylate gradient emulsion blend film. <i>Materials Letters</i> , 2010, 64, 2091-2093.	2.6	14
29	Direct electrodeposition of carboxymethyl cellulose based on coordination deposition method. <i>Cellulose</i> , 2018, 25, 105-115.	4.9	12
30	ZnS Quantum Dots/Gelatin Nanocomposites with a Thermo-Responsive Sol-Gel Transition Property Produced by a Facile and Green One-Pot Method. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 4346-4352.	6.7	12
31	Microbial Transglutaminase and Tyrosinase Modified Gelatin-Chitosan Material. <i>Soft Materials</i> , 2015, 13, 32-38.	1.7	11
32	Self-assembly of fluorinated gradient copolymer in three-dimensional co-flow focusing microfluidic. <i>Journal of Colloid and Interface Science</i> , 2018, 526, 75-82.	9.4	11
33	Studies of mechanism of silica polymerization reactions in the combination of silica sol and potassium sodium waterglass via isothermal heat conduction microcalorimetry. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 101, 959-964.	3.6	9
34	Chitosan capsules with hydrogel core for encapsulation and controlled-release of small molecule materials. <i>Materials Letters</i> , 2020, 278, 128348.	2.6	9
35	Nanocomposite Polymer Hydrogels Reinforced by Carbon Dots and Hectorite Clay. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2020, 35, 287-292.	1.0	9
36	Electrodeposition of reduced graphene oxide with chitosan based on the coordination deposition method. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 1200-1210.	2.8	5

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37	One-Step Microwave Approach to Generate Carbon Dots/Gelatin Composite with Both Thermoresponsive Sol-Gel Transition and Fluorescence Properties. <i>Macromolecular Materials and Engineering</i> , 2020, 305, 2000035.	3.6	5
38	Mechanical properties and drug release of microcapsules containing quaternized-chitosan-modified reduced graphene oxide in the capsular wall. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	4
39	Direct Generation of Mn-Doped ZnS Quantum Dots/Alginate Nanocomposite Beads Based on Gelation and In Situ Synthesis of Quantum Dots. <i>Macromolecular Materials and Engineering</i> , 2019, 304, 1800681.	3.6	4
40	Thermal-responsive Photonic Crystals based on Physically Cross-linked Inverse Opal Nanocomposite Hydrogels. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2021, 36, 289-296.	1.0	4
41	Electrodeposited Alginate-Based Green Synthesis of CuS Nanoparticles and Nanocomposite Films for Electrochemical and Colorimetric Detection. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	3.6	4
42	Preparation and characterization of gradient distribution of silicon in emulsion blend films. <i>Colloid and Polymer Science</i> , 2011, 289, 323-331.	2.1	3
43	Simple Approach to Generate Fluorescent Quantum Dots/Gelatin Composite with Thermo-responsive and Reversible Sol-gel Transition. <i>Soft Materials</i> , 2015, 13, 177-182.	1.7	2
44	Destruction of chitosan capsules based on host-guest interaction and controllable release of encapsulated dyes. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45229.	2.6	2
45	Adsorption of Quaternized-chitosan-modified Reduced Graphene Oxide. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 967-973.	1.0	2
46	Fabrication of Silver Nanoclusters and Nanocomposite Films Based on Coordinated Electrodeposition of Carboxymethyl Cellulose. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	3.6	2
47	Combination of Silica Sol and Potassium Silicate via Isothermal Heat Conduction Microcalorimetry. <i>Chinese Journal of Chemistry</i> , 2011, 29, 356-362.	4.9	1
48	Self-assembly of Gradient Copolymer Synthesized by Spontaneous Batch RAFT Emulsion Polymerization and Its Application on Encapsulating Ag Nanoparticles. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 987-994.	1.0	1
49	Formation of Copolymer-Ag Nanoparticles Composite Micelles in Three-dimensional Co-flow Focusing Microfluidic Device. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 1259-1265.	1.0	0