

# Yifeng Wang

## List of Publications by Year in Descending Order

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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.

49  
papers

1,050  
citations

19  
h-index

31  
g-index

49  
ext. papers

1,183  
ext. citations

5.2  
avg, IF

4.11  
L-index

#	Paper	IF	Citations
49	Thermal-responsive Photonic Crystals based on Physically Cross-linked Inverse Opal Nanocomposite Hydrogels. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2021</b> , 36, 289-296	1	0
48	Nanocomposite Polymer Hydrogels Reinforced by Carbon Dots and Hectorite Clay. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2020</b> , 35, 287-292	1	3
47	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> , <b>2020</b> , 8, 4346-4352	8.3	7
46	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> , <b>2020</b> , 305, 2000035	3.9	3
45	In situ generation of silver nanoparticles and nanocomposite films based on electrodeposition of carboxylated chitosan. <i>Carbohydrate Polymers</i> , <b>2020</b> , 242, 116391	10.3	20
44	Chitosan capsules with hydrogel core for encapsulation and controlled-release of small molecule materials. <i>Materials Letters</i> , <b>2020</b> , 278, 128348	3.3	3
43	Convenient one-step approach based on stimuli-responsive sol-gel transition properties to directly build chitosan-alginate core-shell beads. <i>Food Hydrocolloids</i> , <b>2019</b> , 87, 253-259	10.6	19
42	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> , <b>2019</b> , 34, 1259-1265	1	
41	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> , <b>2019</b> , 304, 1800681	3.9	4
40	Self-assembly of fluorinated gradient copolymer in three-dimensional co-flow focusing microfluidic. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 526, 75-82	9.3	8
39	Electrodeposition of reduced graphene oxide with chitosan based on the coordination deposition method. <i>Beilstein Journal of Nanotechnology</i> , <b>2018</b> , 9, 1200-1210	3	3
38	Adsorption of Quaternized-chitosan-modified Reduced Graphene Oxide. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , <b>2018</b> , 33, 967-973	1	2
37	Direct electrodeposition of carboxymethyl cellulose based on coordination deposition method. <i>Cellulose</i> , <b>2018</b> , 25, 105-115	5.5	10
36	Hydrogel Cryopreservation System: An Effective Method for Cell Storage. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	25
35	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> , <b>2018</b> , 33, 987-994	1	1
34	Destruction of chitosan capsules based on host-guest interaction and controllable release of encapsulated dyes. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134, 45229	2.9	2
33	Agar/gelatin bilayer gel matrix fabricated by simple thermo-responsive sol-gel transition method. <i>Materials Science and Engineering C</i> , <b>2017</b> , 77, 293-299	8.3	25

32	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> , <b>2017</b> , 134,	2.9	3
31	Layer-by-layer assembled biopolymer microcapsule with separate layer cavities generated by gas-liquid microfluidic approach. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 13-19	8.3	11
30	Amphiphilic gradient copolymers: Synthesis, self-assembly, and applications. <i>European Polymer Journal</i> , <b>2016</b> , 85, 489-498	5.2	24
29	Autoclave-free facile approach to the synthesis of highly tunable nanocrystal clusters for magnetic responsive photonic crystals. <i>RSC Advances</i> , <b>2016</b> , 6, 64434-64440	3.7	28
28	Electrodeposition of chitosan based on coordination with metal ions in situ-generated by electrochemical oxidation. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 3331-3338	7.3	36
27	Simple Approach to Generate Fluorescent Quantum Dots/Gelatin Composite with Thermo-responsive and Reversible Sol-gel Transition. <i>Soft Materials</i> , <b>2015</b> , 13, 177-182	1.7	2
26	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> , <b>2015</b> , 53, 222-8	8.3	53
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> , <b>2015</b> , 3, 7511-7517	7.3	17
24	CdS QDs-chitosan microcapsules with stimuli-responsive property generated by gas-liquid microfluidic technique. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 125, 21-7	6	16
23	Microbial Transglutaminase and Tyrosinase Modified Gelatin-Chitosan Material. <i>Soft Materials</i> , <b>2015</b> , 13, 32-38	1.7	10
22	Electroaddressing of ZnS quantum dots by codeposition with chitosan to construct fluorescent and patterned device surface. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 15510-5	9.5	16
21	Synthesis of fluorinated gradient copolymers by RAFT emulsifier-free emulsion polymerization and their compatibilization in copolymer blends. <i>Colloid and Polymer Science</i> , <b>2014</b> , 292, 2803-2809	2.4	13
20	Synthesis, characterization, and self-assembly of amphiphilic fluorinated gradient copolymer. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 1485-1492	2.9	18
19	Gelation of vesicles and nanoparticles using water-soluble hydrophobically modified chitosan. <i>Langmuir</i> , <b>2013</b> , 29, 15302-8	4	25
18	Synthesis and self-assembly of amphiphilic gradient copolymer via RAFT emulsifier-free emulsion polymerization. <i>Journal of Colloid and Interface Science</i> , <b>2012</b> , 369, 46-51	9.3	43
17	Surface properties of polyurethanes modified by bioactive polysaccharide-based polyelectrolyte multilayers. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2012</b> , 100, 77-83	6	45
16	Biofabricating Multifunctional Soft Matter with Enzymes and Stimuli-Responsive Materials. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3004-3012	15.6	50
15	Effect of annealing on self-organized gradient film obtained from poly(3-[tris(trimethylsilyloxy)silyl] propyl methacrylate-co-methyl methacrylate)/poly(methyl methacrylate-co-n-butyl acrylate) blend latexes. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 709-718	2.4	16

14	Preparation and characterization of gradient distribution of silicon in emulsion blend films. <i>Colloid and Polymer Science</i> , <b>2011</b> , 289, 323-331	2.4	3
13	Coupling electrodeposition with layer-by-layer assembly to address proteins within microfluidic channels. <i>Advanced Materials</i> , <b>2011</b> , 23, 5817-21	24	71
12	Combination of Silica Sol and Potassium Silicate via Isothermal Heat Conduction Microcalorimetry. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 356-362	4.9	0
11	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> , <b>2010</b> , 101, 959-964	4.1	7
10	Preparation and structure of fluorinated/non-fluorinated polyacrylate gradient emulsion blend film. <i>Materials Letters</i> , <b>2010</b> , 64, 2091-2093	3.3	12
9	Surface modification on polyurethanes by using bioactive carboxymethylated fungal glucan from <i>Poria cocos</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2010</b> , 81, 629-33	6	23
8	Chemical components and properties of core-shell acrylate latex containing fluorine in the shell and their films. <i>Journal of Applied Polymer Science</i> , <b>2006</b> , 99, 107-114	2.9	36
7	Chain conformation of carboxymethylated derivatives of (1- $\beta$ )-D-glucan from <i>Poria cocos</i> sclerotium. <i>Carbohydrate Polymers</i> , <b>2006</b> , 65, 504-509	10.3	31
6	Investigation of fluorinated polyacrylate latex with core-shell structure. <i>Polymer International</i> , <b>2005</b> , 54, 1027-1033	3.3	55
5	Chemical components and molecular mass of six polysaccharides isolated from the sclerotium of <i>Poria cocos</i> . <i>Carbohydrate Research</i> , <b>2004</b> , 339, 327-34	2.9	100
4	Correlation of structure to antitumor activities of five derivatives of a beta-glucan from <i>Poria cocos</i> sclerotium. <i>Carbohydrate Research</i> , <b>2004</b> , 339, 2567-74	2.9	127
3	Study of self-crosslinking acrylate latex containing fluorine. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 90, 3609-3616	2.9	24
2	Fabrication of Silver Nanoclusters and Nanocomposite Films Based on Coordinated Electrodeposition of Carboxymethyl Cellulose. <i>Macromolecular Materials and Engineering</i> , 2100885	3.9	0
1	Electrodeposited Alginate-based Green Synthesis of CuS Nanoparticles and Nanocomposite Films for Electrochemical and Colorimetric Detection. <i>Macromolecular Materials and Engineering</i> , 2200090	3.9	0