

# Yan Fang

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

566  
citations

623734

14  
h-index

642732

23  
g-index

32  
all docs

32  
docs citations

32  
times ranked

920  
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress and Prospects of Bioelectrochemical Systems: Electron Transfer and Its Applications in the Microbial Metabolism. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 10.	4.1	85
2	Current advance in biological production of malic acid using wild type and metabolic engineered strains. <i>Bioresource Technology</i> , 2018, 258, 345-353.	9.6	74
3	Polymer materials for enzyme immobilization and their application in bioreactors. <i>BMB Reports</i> , 2011, 44, 87-95.	2.4	64
4	Rupturing cancer cells by the expansion of functionalized stimuli-responsive hydrogels. <i>NPG Asia Materials</i> , 2018, 10, e465-e465.	7.9	26
5	Universal Nature-Inspired Coatings for Preparing Noncharging Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 32220-32226.	8.0	25
6	Application of eukaryotic and prokaryotic laccases in biosensor and biofuel cells: recent advances and electrochemical aspects. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10409-10423.	3.6	24
7	Performance evaluation of a lab-scale moving bed biofilm reactor (MBBR) using polyethylene as support material in the treatment of wastewater contaminated with terephthalic acid. <i>Chemosphere</i> , 2019, 227, 117-123.	8.2	24
8	Characteristics and metabolic pathway of acetamiprid biodegradation by <i>Fusarium</i> sp. strain CS-3 isolated from soil. <i>Biodegradation</i> , 2018, 29, 593-603.	3.0	21
9	Recent insights into the microbial catabolism of aryloxyphenoxy-propionate herbicides: microbial resources, metabolic pathways and catabolic enzymes. <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 117.	3.6	19
10	High butanol production from glycerol by using <i>Clostridium</i> sp. strain CT7 integrated with membrane assisted pervaporation. <i>Bioresource Technology</i> , 2019, 288, 121530.	9.6	19
11	Amperometric Biosensors Based on Recombinant Bacterial Laccase CotA for Hydroquinone Determination. <i>Electroanalysis</i> , 2020, 32, 142-148.	2.9	19
12	Highly sensitive naked eye detection of Iron (III) and H <sub>2</sub> O <sub>2</sub> using poly-(tannic acid) (PTA) coated Au nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 155-161.	7.8	17
13	Anomalous Charging Behavior of Inorganic Materials. <i>Journal of Physical Chemistry C</i> , 2018, 122, 11414-11421.	3.1	16
14	The broad-specificity chitinases: their origin, characterization, and potential application. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 3289-3295.	3.6	15
15	Enzymatic transglycosylation of PEG brushes by $\beta$ -galactosidase. <i>Chemical Communications</i> , 2012, 48, 11208.	4.1	14
16	Poly(2-hydroxyethyl methacrylate) Brush Surface for Specific and Oriented Adsorption of Glycosidases. <i>Langmuir</i> , 2012, 28, 13318-13324.	3.5	12
17	The Draft Genome Sequence of Thermophilic Thermoanaerobacterium thermosaccharolyticum M5 Capable of Directly Producing Butanol from Hemicellulose. <i>Current Microbiology</i> , 2018, 75, 620-623.	2.2	11
18	Chemoenzymatic Synthesis of Branched Glycopolymer Brushes as the Artificial Glycocalyx for Lectin Specific Binding. <i>Langmuir</i> , 2019, 35, 4445-4452.	3.5	10

#	ARTICLE	IF	CITATIONS
19	Green and High Effective Scale Inhibitor Based on Ring-Opening Graft Modification of Polyaspartic Acid. <i>Catalysts</i> , 2021, 11, 802.	3.5	10
20	Universal one-pot, one-step synthesis of core-shell nanocomposites with self-assembled tannic acid shell and their antibacterial and catalytic activities. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45829.	2.6	9
21	Heterologous expression of cyclodextrin glycosyltransferase from <i>Paenibacillus macerans</i> in <i>Escherichia coli</i> and its application in 2-O- $\alpha$ -D-glucopyranosyl-L-ascorbic acid production. <i>BMC Biotechnology</i> , 2018, 18, 53.	3.3	9
22	Material-mediated cell immobilization technology in the biological fermentation proces. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1160-1173.	3.7	9
23	Glycosylated membranes: A promising biomimetic material. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	6
24	Dextranucrase-catalyzed elongation of polysaccharide brushes with immobilized mono-/di-saccharides as acceptors. <i>Chemical Communications</i> , 2015, 51, 129-132.	4.1	5
25	Ultrasound-assisted d-tartaric acid whole-cell bioconversion by recombinant <i>Escherichia coli</i> . <i>Ultrasonics Sonochemistry</i> , 2018, 42, 11-17.	8.2	5
26	Biofilm-Integrated Glycosylated Membrane for Biosuccinic Acid Production. <i>ACS Applied Bio Materials</i> , 2021, 4, 7517-7523.	4.6	5
27	The draft genome sequence of <i>Clostridium</i> sp. strain CT7, an isolate capable of producing butanol but not acetone and 1,3-propanediol from crude glycerol. <i>3 Biotech</i> , 2019, 9, 63.	2.2	3
28	Polymer Membrane with Glycosylated Surface by a Chemo-Enzymatic Strategy for Protein Affinity Adsorption. <i>Catalysts</i> , 2020, 10, 415.	3.5	3
29	Stimuli-responsive attachment for enabling the targeted release of carriers. <i>Materials Chemistry Frontiers</i> , 2021, 5, 4317-4326.	5.9	3
30	Time-Scaling Properties of Sunshine Duration Based on Detrended Fluctuation Analysis over China. <i>Atmosphere</i> , 2019, 10, 83.	2.3	2
31	Low Molar Mass Dextran: One-Step Synthesis With Dextranucrase by Site-Directed Mutagenesis and its Potential of Iron-Loading. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 747602.	4.1	1