Bin Yang

List of Publications by Year
in descending order

34 papers	571 citations	687363 13 h-index	642732 23 g-index
34 all docs	34 docs citations	34 times ranked	473 citing authors

#	Article	IF	Citations
1	Controlled Release of Tetracycline Hydrochloride Loaded Highly Absorbent Alginate Submicron Fibers from Centrifugally Spinning. Fibers and Polymers, 2022, 23, 28-36.	2.1	3
2	Examination of proline, hydroxyproline and pyroglutamic acid with different polar groups by terahertz spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120539.	3.9	8
3	Dynamic Detection of Thiol Oxidation/Reduction Status During the Conversion of Cysteine/Cystine.. Journal of Molecular Structure, 2022, 1250, 131675.	3.6	6
4	Evaluation of formation and proportion of secondary structure in Î³-polyglutamic acid by terahertz time-domain spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 271, 120940.	3.9	7
5	Terahertz spectroscopy for interpreting the formation and hierarchical structures of silk fibroin oligopeptides. Analyst, The, 2022, 147, 1915-1922.	3.5	5
6	Cross-Linking of Centrifugally Spun Starch/Polyvinyl Alcohol (ST/PVA) Composite Ultrafine Fibers and Antibacterial Activity Loaded with Ag Nanoparticles. ACS Omega, 2022, 7, 7706-7714.	3.5	9
7	Terahertz spectroscopy of temperature-induced transformation between glutamic acid, pyroglutamic acid and racemic pyroglutamic acid. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 275, 121150.	3.9	11
8	Biodegradable, biomimetic, and nanonet-engineered membranes enable high-flux and highly-efficient oil/water separation. Journal of Hazardous Materials, 2022, 434, 128858.	12.4	39
9	Porous superhydrophobicâ€superoleophilic polytetrafluoroethylene fibrous membranes with tertiary structures for efficient oil/water separation. Journal of Applied Polymer Science, 2022, 139, 52018.	2.6	4
10	Terahertz Spectroscopy Study of the Stereoisomers of Threonine. Applied Spectroscopy, 2022, , 000370282210999.	2.2	3
11	Resolving nanoscopic structuring and interfacial THz dynamics in setting cements. Materials Advances, 2022, 3, 4982-4990.	5.4	18
12	Investigation of the Correlations between Amino Acids, Amino Acid Mixtures and Dipeptides by Terahertz Spectroscopy. Journal of Infrared, Millimeter, and Terahertz Waves, 2021, 42, 64-75.	2.2	13
13	Jet evolution and fiber formation mechanism of amylopectin rich starches in centrifugal spinning system. Journal of Applied Polymer Science, 2021, 138, 50275.	2.6	12
14	Melting centrifugally spun ultrafine poly butylene adipate-<i>co</i>-terephthalate (PBAT) fiber and hydrophilic modification. RSC Advances, 2021, 11, 27019-27026.	3.6	8
15	Centrifugally spun starch/polyvinyl alcohol ultrafine fibrous membrane as environmentallyâ€friendly disposable nonwoven. Journal of Applied Polymer Science, 2021, 138, 51169.	2.6	9
16	Vibrational modes optimization and terahertz time-domain spectroscopy of -Lysine and -Lysine hydrate. Journal of Molecular Structure, 2021, 1232, 129952.	3.6	11
17	High efficiency, low resistance and high temperature resistance PTFE porous fibrous membrane for air filtration. Materials Letters, 2021, 295, 129831.	2.6	22
18	A tree-grapes-like PTFE fibrous membrane with super-hydrophobic and durable performance for oil/water separation. Separation and Purification Technology, 2021, 275, 119165.	7.9	29

#	Article	IF	Citations
19	A method for controlling the surface morphology of centrifugally spun starchâ€based fibers. Journal of Applied Polymer Science, 2018, 135, 45810.	2.6	13
20	Centrifugally spun of alginateâ€riched submicron fibers from alginate/polyethylene oxide blends. Polymer Engineering and Science, 2018, 58, 1644-1651.	3.1	7
21	Stability and spinnability of modified melamineâ€"formaldehyde resin solution for centrifugal spinning. Journal of Applied Polymer Science, 2018, 135, 46072.	2.6	13
22	Centrifugally spun ultrafine starch/PEO fibres as release formulation for poorly waterâ€soluble drugs. Micro and Nano Letters, 2018, 13, 1688-1692.	1.3	20
23	Structural changes of Bombyx mori fibroin from silk gland to fiber as evidenced by Terahertz spectroscopy and other methods. International Journal of Biological Macromolecules, 2017, 102, 1202-1210.	7.5	27
24	Methanolâ€"Water-Dependent Structural Changes of Regenerated Silk Fibroin Probed Using Terahertz Spectroscopy. Applied Spectroscopy, 2017, 71, 1785-1794.	2.2	7
25	Highly porous fibers prepared by centrifugal spinning. Materials and Design, 2017, 114, 303-311.	7.0	67
26	Electrostatic-assisted centrifugal spinning for continuous collection of submicron fibers. Textile Reseach Journal, 2017, 87, 2349-2357.	2.2	21
27	Citric acid crossâ€linking of centrifugally spun starchâ€based fibres. Micro and Nano Letters, 2017, 12, 693-696.	1.3	6
28	Centrifugally spun starch-based fibers from amylopectin rich starches. Carbohydrate Polymers, 2016, 137, 459-465.	10.2	54
29	Preparation and photoelectric properties of indium tin oxide depositional optical fiber by centrifugal spinning. Journal of Materials Science: Materials in Electronics, 2015, 26, 9031-9036.	2.2	4
30	Effective method for highâ€throughput manufacturing of ultrafine fibres via needleless centrifugal spinning. Micro and Nano Letters, 2015, 10, 81-84.	1.3	19
31	Corn-like indium tin oxide nanostructures: fabrication, characterization and formation mechanism. Applied Physics A: Materials Science and Processing, 2015, 121, 1179-1185.	2.3	2
32	A comparison of centrifugally-spun and electrospun regenerated silk fibroin nanofiber structures and properties. RSC Advances, 2015, 5, 98553-98558.	3.6	26
33	A comparative study of jet formation in nozzleâ€and nozzleâ€less centrifugal spinning systems. Journal of Polymer Science, Part B: Polymer Physics, 2014, 52, 1547-1559.	2.1	52
34	Terahertz Time Domain Spectroscopy for the Identification of Two Cellulosic Fibers with Similar Chemical Composition. Analytical Letters, 2013, 46, 946-958.	1.8	16