Deng-Guang Yu

List of Publications by Citations

195 papers	7,797 citations	53 h-index	76 g-index
216 ext. papers	9,558 ext. citations	5.7 avg, IF	6.83 L-index

#	Paper	IF	Citations
195	Oral fast-dissolving drug delivery membranes prepared from electrospun polyvinylpyrrolidone ultrafine fibers. *Nanotechnology*, **2009**, 20, 055104	3.4	201
194	Nanofibers Fabricated Using Triaxial Electrospinning as Zero Order Drug Delivery Systems. *ACS Applied Materials & Interfaces*, **2015**, 7, 18891-7	9.5	194
193	Electrospun diclofenac sodium loaded Eudragit L 100-55 nanofibers for colon-targeted drug delivery. *International Journal of Pharmaceutics*, **2011**, 408, 200-7	6.5	179
192	Electrospun amorphous solid dispersions of poorly water-soluble drugs: A review. *Journal of Controlled Release*, **2018**, 292, 91-110	11.7	155
191	Electrospun drug-loaded core-sheath PVP/zein nanofibers for biphasic drug release. *International Journal of Pharmaceutics*, **2012**, 438, 232-9	6.5	149
190	High-quality Janus nanofibers prepared using three-fluid electrospinning. *Chemical Communications* , **2017**, 53, 4542-4545	5.8	128
189	Electrospun pH-sensitive core-shell polymer nanocomposites fabricated using a tri-axial process. *Acta Biomaterialia*, **2016**, 35, 77-86	10.8	126
188	Electrospun hypromellose-based hydrophilic composites for rapid dissolution of poorly water-soluble drug. *Carbohydrate Polymers*, **2017**, 174, 617-625	10.3	125
187	Modified coaxial electrospinning for the preparation of high-quality ketoprofen-loaded cellulose acetate nanofibers. *Carbohydrate Polymers*, **2012**, 90, 1016-23	10.3	124
186	Electrospun Janus nanofibers loaded with a drug and inorganic nanoparticles as an effective antibacterial wound dressing. *Materials Science and Engineering C*, **2020**, 111, 110805	8.3	122
185	Electrosprayed hydrophilic nanocomposites coated with shellac for colon-specific delayed drug delivery. *Materials and Design*, **2018**, 143, 248-255	8.1	120
184	Novel drug delivery devices for providing linear release profiles fabricated by 3DP. *International Journal of Pharmaceutics*, **2009**, 370, 160-6	6.5	114
183	Surface modification of electrospun polyacrylonitrile nanofiber towards developing an affinity membrane for bromelain adsorption. *Desalination*, **2010**, 256, 141-147	10.3	106
182	Electrospun nanofiber-based drug delivery systems. *Health*, **2009**, 01, 67-75	0.4	104
181	Tunable drug release from nanofibers coated with blank cellulose acetate layers fabricated using tri-axial electrospinning. *Carbohydrate Polymers*, **2019**, 203, 228-237	10.3	97
180	Coaxial electrospinning with acetic acid for preparing ferulic acid/zein composite fibers with improved drug release profiles. *Colloids and Surfaces B: Biointerfaces*, **2013**, 102, 737-43	6	91
179	Electrospun medicated shellac nanofibers for colon-targeted drug delivery. *International Journal of Pharmaceutics*, **2015**, 490, 384-90	6.5	89

178	Zero-order drug release cellulose acetate nanofibers prepared using coaxial electrospinning. *Cellulose*, **2013**, 20, 379-389	5.5	89
177	Tunable zero-order drug delivery systems created by modified triaxial electrospinning. *Chemical Engineering Journal*, **2019**, 356, 886-894	14.7	89
176	Third generation solid dispersions of ferulic acid in electrospun composite nanofibers. *International Journal of Pharmaceutics*, **2010**, 400, 158-64	6.5	88
175	Electrospun tri-layer nanodepots for sustained release of acyclovir. *Journal of Alloys and Compounds*, **2020**, 846, 156471	5.7	87
174	Electrospun Hydrophilic Janus Nanocomposites for the Rapid Onset of Therapeutic Action of Helicid. *ACS Applied Materials & Interfaces*, **2018**, 10, 2859-2867	9.5	86
173	Linear drug release membrane prepared by a modified coaxial electrospinning process. *Journal of Membrane Science*, **2013**, 428, 150-156	9.6	85
172	Nanosized sustained-release drug depots fabricated using modified tri-axial electrospinning. *Acta Biomaterialia*, **2017**, 53, 233-241	10.8	84
171	Medicated Janus fibers fabricated using a Teflon-coated side-by-side spinneret. *Colloids and Surfaces B: Biointerfaces*, **2016**, 138, 110-6	6	78
170	Fast dissolving drug delivery membrane based on the ultra-thin shell of electrospun core-shell nanofibers. *European Journal of Pharmaceutical Sciences*, **2018**, 122, 195-204	5.1	77
169	Influence of the drug distribution in electrospun gliadin fibers on drug-release behavior. *European Journal of Pharmaceutical Sciences*, **2017**, 106, 422-430	5.1	75
168	Dual drug release nanocomposites prepared using a combination of electrospraying and electrospinning. *RSC Advances*, **2013**, 3, 4652	3.7	74
167	Novel oral fast-disintegrating drug delivery devices with predefined inner structure fabricated by Three-Dimensional Printing. *Journal of Pharmacy and Pharmacology*, **2010**, 61, 323-329	4.8	73
166	Multicomponent amorphous nanofibers electrospun from hot aqueous solutions of a poorly soluble drug. *Pharmaceutical Research*, **2010**, 27, 2466-77	4.5	72
165	The Relationships between Process Parameters and Polymeric Nanofibers Fabricated Using a Modified Coaxial Electrospinning. *Nanomaterials*, **2019**, 9,	5.4	70
164	Polyacrylonitrile nanofibers coated with silver nanoparticles using a modified coaxial electrospinning process. *International Journal of Nanomedicine*, **2012**, 7, 5725-32	7.3	68
163	Electrospun zein nanoribbons for treatment of lead-contained wastewater. *Chemical Engineering Journal*, **2016**, 290, 263-272	14.7	67
162	Solid dispersions in the form of electrospun core-sheath nanofibers. *International Journal of Nanomedicine*, **2011**, 6, 3271-80	7.3	67
161	Electrospun Janus zeinÐPVP nanofibers provide a two-stage controlled release of poorly water-soluble drugs. *Materials and Design*, **2020**, 196, 109075	8.1	67

160	Electrospun lipid-coated medicated nanocomposites for an improved drug sustained-release profile. *Materials and Design*, **2019**, 162, 70-79	8.1	66
159	Microencapsulation of tamoxifen: application to cotton fabric. *Colloids and Surfaces B: Biointerfaces*, **2009**, 69, 85-90	6	65
158	Dissolution improvement of electrospun nanofiber-based solid dispersions for acetaminophen. *AAPS PharmSciTech*, **2010**, 11, 809-17	3.9	65
157	Core-Shell Eudragit S100 Nanofibers Prepared via Triaxial Electrospinning to Provide a Colon-Targeted Extended Drug Release. *Polymers*, **2020**, 12,	4.5	65
156	The Relationships between the Working Fluids, Process Characteristics and Products from the Modified Coaxial Electrospinning of Zein. *Polymers*, **2019**, 11,	4.5	64
155	Time-engineeringed biphasic drug release by electrospun nanofiber meshes. *International Journal of Pharmaceutics*, **2012**, 436, 88-96	6.5	63
154	Electrospun nanofibers in drug delivery: recent developments and perspectives. *Therapeutic Delivery*, **2012**, 3, 515-33	3.8	63
153	Dual drug release electrospun core-shell nanofibers with tunable dose in the second phase. *International Journal of Molecular Sciences*, **2014**, 15, 774-86	6.3	62
152	A novel fast disintegrating tablet fabricated by three-dimensional printing. *Drug Development and Industrial Pharmacy*, **2009**, 35, 1530-6	3.6	62
151	Fabrication of sustained-release zein nanoparticles via modified coaxial electrospraying. *Chemical Engineering Journal*, **2018**, 334, 807-816	14.7	61
150	Improving polymer nanofiber quality using a modified co-axial electrospinning process. *Macromolecular Rapid Communications*, **2011**, 32, 744-50	4.8	61
149	Preparing composite nanoparticles for immediate drug release by modifying electrohydrodynamic interfaces during electrospraying. *Powder Technology*, **2018**, 327, 179-187	5.2	59
148	Coaxial electrospinning with organic solvent for controlling the size of self-assembled nanoparticles. *Chemical Communications*, **2011**, 47, 1216-8	5.8	59
147	Self-assembled liposomes from amphiphilic electrospun nanofibers. *Soft Matter*, **2011**, 7, 8239	3.6	58
146	Ultrafine ibuprofen-loaded polyvinylpyrrolidone fiber mats using electrospinning. *Polymer International*, **2009**, 58, 1010-1013	3.3	56
145	Electrospinning of Concentrated Polymer Solutions. *Macromolecules*, **2010**, 43, 10743-10746	5.5	54
144	Energy-Saving Electrospinning with a Concentric Teflon-Core Rod Spinneret to Create Medicated Nanofibers. *Polymers*, **2020**, 12,	4.5	54
143	Sheath-separate-core nanocomposites fabricated using a trifluid electrospinning. *Materials and Design*, **2020**, 192, 108782	8.1	53

142	Carbon nanotube-templated polyaniline nanofibers: synthesis, flash welding and ultrafiltration membranes. *Nanoscale*, **2013**, 5, 3856-62	7.7	53
141	5-Fluorouracil loaded Eudragit fibers prepared by electrospinning. *International Journal of Pharmaceutics*, **2015**, 495, 895-902	6.5	52
140	From Taylor cone to solid nanofiber in tri-axial electrospinning: Size relationships. *Results in Physics*, **2019**, 15, 102770	3.7	52
139	Polyacrylonitrile nanofibers prepared using coaxial electrospinning with LiCl solution as sheath fluid. *Nanotechnology*, **2011**, 22, 435301	3.4	52
138	Ester prodrug-loaded electrospun cellulose acetate fiber mats as transdermal drug delivery systems. *Journal of Materials Science: Materials in Medicine*, **2010**, 21, 2403-11	4.5	52
137	Multifluid electrospinning for the generation of complex nanostructures. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2020**, 12, e1601	9.2	52
136	The key role of straight fluid jet in predicting the drug dissolution from electrospun nanofibers. *International Journal of Pharmaceutics*, **2019**, 569, 118634	6.5	51
135	Coaxial electrospinning with sodium dodecylbenzene sulfonate solution for high quality polyacrylonitrile nanofibers. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2012**, 396, 161-168	5.1	51
134	Structure-tunable Janus fibers fabricated using spinnerets with varying port angles. *Chemical Communications*, **2015**, 51, 4623-6	5.8	50
133	Preparation of core-shell PAN nanofibers encapsulated □-tocopherol acetate and ascorbic acid 2-phosphate for photoprotection. *Colloids and Surfaces B: Biointerfaces*, **2011**, 82, 247-52	6	49
132	Influence of Working Temperature on The Formation of Electrospun Polymer Nanofibers. *Nanoscale Research Letters*, **2017**, 12, 55	5	48
131	Electrospun triaxial nanofibers with middle blank cellulose acetate layers for accurate dual-stage drug release. *Carbohydrate Polymers*, **2020**, 243, 116477	10.3	48
130	An elevated temperature electrospinning process for preparing acyclovir-loaded PAN ultrafine fibers. *Journal of Materials Processing Technology*, **2010**, 210, 1551-1555	5.3	48
129	Electrospun Environment Remediation Nanofibers Using Unspinnable Liquids as the Sheath Fluids: A Review. *Polymers*, **2020**, 12,	4.5	47
128	Electrospun Functional Nanofiber Membrane for Antibiotic Removal in Water: Review. *Polymers*, **2021**, 13,	4.5	47
127	Fast disintegrating quercetin-loaded drug delivery systems fabricated using coaxial electrospinning. *International Journal of Molecular Sciences*, **2013**, 14, 21647-59	6.3	46
126	Electrosprayed sperical ethylcellulose nanoparticles for an improved sustained-release profile of anticancer drug. *Cellulose*, **2017**, 24, 5551-5564	5.5	45
125	Electrospun Medicated Nanofibers for Wound Healing: Review. *Membranes*, **2021**, 11,	3.8	43

124	Ethylcellulose-based drug nano depots fabricated using a modified triaxial electrospinning. *International Journal of Biological Macromolecules*, **2020**, 152, 68-76	7.9	42
123	Quantitative physical and handling characteristics of novel antibacterial braided silk suture materials. *Journal of the Mechanical Behavior of Biomedical Materials*, **2015**, 50, 160-70	4.1	41
122	Preparation of ultrafine fast-dissolving feruloyl-oleyl-glycerol-loaded polyvinylpyrrolidone fiber mats via electrospinning. *Colloids and Surfaces B: Biointerfaces*, **2011**, 88, 304-9	6	41
121	Solid lipid nanoparticles self-assembled from electrosprayed polymer-based microparticles. *Journal of Materials Chemistry*, **2011**, 21, 15957		40
120	Immediate release of helicid from nanoparticles produced by modified coaxial electrospraying. *Applied Surface Science*, **2019**, 473, 148-155	6.7	40
119	Tunable biphasic drug release from ethyl cellulose nanofibers fabricated using a modified coaxial electrospinning process. *Nanoscale Research Letters*, **2014**, 9, 258	5	39
118	PVP nanofibers prepared using co-axial electrospinning with salt solution as sheath fluid. *Materials Letters*, **2012**, 67, 78-80	3.3	38
117	Meletin sustained-release gliadin nanoparticles prepared via solvent surface modification on blending electrospraying. *Applied Surface Science*, **2018**, 434, 1040-1047	6.7	38
116	Theranostic Fibers for Simultaneous Imaging and Drug Delivery. *Molecular Pharmaceutics*, **2016**, 13, 2457-65	5.6	37
115	Sustained release of ethyl cellulose micro-particulate drug delivery systems prepared using electrospraying. *Journal of Materials Science*, **2012**, 47, 1372-1377	4.3	36
114	Electrospun Contrast-Agent-Loaded Fibers for Colon-Targeted MRI. *Advanced Healthcare Materials*, **2016**, 5, 977-85	10.1	36
113	Red emissive diarylboron diketonate crystals: aggregation-induced color change and amplified spontaneous emission. *Journal of Materials Chemistry C*, **2015**, 3, 499-505	7.1	35
112	Sustained-release multiple-component cellulose acetate nanofibers fabricated using a modified coaxial electrospinning process. *Journal of Materials Science*, **2014**, 49, 538-547	4.3	35
111	Coaxial Electrospinning with Triton X-100 Solutions as Sheath Fluids for Preparing PAN Nanofibers. *Macromolecular Materials and Engineering*, **2012**, 297, 395-401	3.9	35
110	Electrospun Janus Beads-On-A-String Structures for Different Types of Controlled Release Profiles of Double Drugs. *Biomolecules*, **2021**, 11,	5.9	35
109	Colon-specific pulsatile drug release provided by electrospun shellac nanocoating on hydrophilic amorphous composites. *International Journal of Nanomedicine*, **2018**, 13, 2395-2404	7.3	34
108	Solid Dispersions of Ketoprofen in Drug-Loaded Electrospun Nanofibers. *Journal of Dispersion Science and Technology*, **2010**, 31, 902-908	1.5	34
107	A nanofiber-based drug depot with high drug loading for sustained release. *International Journal of Pharmaceutics*, **2020**, 583, 119397	6.5	33

106	Liposomes self-assembled from electrosprayed composite microparticles. *Nanotechnology*, **2012**, 23, 105606	3.4	33
105	Electrospinning for healthcare: recent advancements. *Journal of Materials Chemistry B*, **2021**, 9, 939-951	7.3	33
104	Fast Dissolution Electrospun Medicated Nanofibers for Effective Delivery of Poorly Water-Soluble Drugs. *Current Drug Delivery*, **2021**,	3.2	33
103	Coaxial electrospinning using a concentric Teflon spinneret to prepare biphasic-release nanofibers of helicid. *RSC Advances*, **2013**, 3, 17775	3.7	32
102	Comparative study of electrospun crystal-based and composite-based drug nano depots. *Materials Science and Engineering C*, **2020**, 113, 110988	8.3	31
101	Structural lipid nanoparticles self-assembled from electrospun core□shell polymeric nanocomposites. *RSC Advances*, **2015**, 5, 9462-9466	3.7	30
100	Pulsatile drug release from electrospun poly(ethylene oxide)-sodium alginate blend nanofibres. *Journal of Materials Chemistry B*, **2014**, 2, 1400-1407	7.3	29
99	Drug-zein@lipid hybrid nanoparticles: Electrospraying preparation and drug extended release application. *Colloids and Surfaces B: Biointerfaces*, **2021**, 201, 111629	6	29
98	The Effect of Drug Heterogeneous Distributions within Core-Sheath Nanostructures on Its Sustained Release Profiles. *Biomolecules*, **2021**, 11,	5.9	29
97	□Cyclodextrin based air filter for high-efficiency filtration of pollution sources. *Journal of Hazardous Materials*, **2019**, 373, 197-203	12.8	28
96	Fast-dissolving core-shell composite microparticles of quercetin fabricated using a coaxial electrospray process. *PLoS ONE*, **2014**, 9, e92106	3.7	28
95	The Development and Bio-applications of Multifluid Electrospinning **2020**, 1, 1		28
94	Multifunctional fabrics finished using electrosprayed hybrid Janus particles containing nanocatalysts. *Chemical Engineering Journal*, **2021**, 411, 128474	14.7	28
93	Testing of fast dissolution of ibuprofen from its electrospun hydrophilic polymer nanocomposites. *Polymer Testing*, **2021**, 93, 106872	4.5	28
92	Electrosprayed core-shell nanoparticles of PVP and shellac for furnishing biphasic controlled release of ferulic acid. *Colloid and Polymer Science*, **2014**, 292, 2089-2096	2.4	27
91	Combination of structure-performance and shape-performance relationships for better biphasic release in electrospun Janus fibers. *International Journal of Pharmaceutics*, **2021**, 596, 120203	6.5	26
90	The Process?Property?Performance Relationship of Medicated Nanoparticles Prepared by Modified Coaxial Electrospraying. *Pharmaceutics*, **2019**, 11,	6.4	24
89	Polymer-Based Nanofiber-Nanoparticle Hybrids and Their Medical Applications.. *Polymers*, **2022**, 14,	4.5	24

88	Electrospun Blank Nanocoating for Improved Sustained Release Profiles from Medicated Gliadin Nanofibers. *Nanomaterials*, **2018**, 8,	5.4	23
87	Smooth preparation of ibuprofen/zein microcomposites using an epoxy-coated electrospraying head. *Materials Letters*, **2013**, 93, 125-128	3.3	23
86	Electrosprayed core-shell solid dispersions of acyclovir fabricated using an epoxy-coated concentric spray head. *International Journal of Nanomedicine*, **2014**, 9, 1967-77	7.3	23
85	Fast-dissolving sweet sedative nanofiber membranes. *Journal of Materials Science*, **2015**, 50, 3604-3613	4.3	22
84	Sequential release of drugs form a dual-delivery system based on pH-responsive nanofibrous mats towards wound care. *Journal of Materials Chemistry B*, **2020**, 8, 1759-1770	7.3	22
83	Electrospun acid□base pair solid dispersions of quercetin. *RSC Advances*, **2014**, 4, 58265-58271	3.7	22
82	Engineered Spindles of Little Molecules Around Electrospun Nanofibers for Biphasic Drug Release. *Advanced Fiber Materials*, **2022**, 4, 305	10.9	22
81	Electrosprayed Janus Particles for Combined Photo-Chemotherapy. *AAPS PharmSciTech*, **2017**, 18, 1460-1468	3.6	21
80	Polymer-based nanoparticulate solid dispersions prepared by a modified electrospraying process. *Journal of Biomedical Science and Engineering*, **2011**, 04, 741-749	0.7	21
79	Gold Nanoparticles-Loaded Polyvinylpyrrolidone/Ethylcellulose Coaxial Electrospun Nanofibers with Enhanced Osteogenic Capability for Bone Tissue Regeneration. *Materials and Design*, **2021**, 212, 110240	8.1	21
78	Modified tri□xial electrospun functional core□shell nanofibrous membranes for natural photodegradation of antibiotics. *Chemical Engineering Journal*, **2021**, 425, 131455	14.7	21
77	Electrospun Structural Hybrids of Acyclovir-Polyacrylonitrile at Acyclovir for Modifying Drug Release.. *Polymers*, **2021**, 13,	4.5	20
76	Orodispersible Membranes from a Modified Coaxial Electrospinning for Fast Dissolution of Diclofenac Sodium. *Membranes*, **2021**, 11,	3.8	20
75	Higher quality quercetin sustained release ethyl cellulose nanofibers fabricated using a spinneret with a Teflon nozzle. *Colloids and Surfaces B: Biointerfaces*, **2014**, 114, 404-9	6	19
74	Fabrication of Vertical Array CNTs/Polyaniline Composite Membranes by Microwave-Assisted In Situ Polymerization. *Nanoscale Research Letters*, **2015**, 10, 493	5	19
73	Bulk synthesis, optimization, and characterization of highly dispersible polypyrrole nanoparticles toward protein separation using nanocomposite membranes. *Journal of Colloid and Interface Science*, **2012**, 386, 148-57	9.3	19
72	Highly stable coated polyvinylpyrrolidone nanofibers prepared using modified coaxial electrospinning. *Fibers and Polymers*, **2014**, 15, 78-83	2	18
71	Coaxial Electrospinning with Mixed Solvents: From Flat to Round Eudragit L100 Nanofibers for Better Colon-Targeted Sustained Drug Release Profiles. *Journal of Nanomaterials*, **2014**, 2014, 1-8	3.2	18

70	Strategies for sustained drug release from electrospun multi-layer nanostructures.. *Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology*, **2021**, e1772	9.2	18
69	Electrospun Aspirin/Eudragit/Lipid Hybrid Nanofibers for Colon-targeted Delivery Using an Energy-saving Process. *Chemical Research in Chinese Universities*, **2021**, 37, 1-7	2.2	18
68	Electrospun PVP-Core/PHBV-Shell Fibers to Eliminate Tailing Off for an Improved Sustained Release of Curcumin. *Molecular Pharmaceutics*, **2021**, 18, 4170-4178	5.6	18
67	Novel oral fast-disintegrating drug delivery devices with predefined inner structure fabricated by Three-Dimensional Printing. *Journal of Pharmacy and Pharmacology*, **2009**, 61, 323-9	4.8	17
66	Fast Dissolving of Ferulic Acid via Electrospun Ternary Amorphous Composites Produced by a Coaxial Process. *Pharmaceutics*, **2018**, 10,	6.4	16
65	Carbon foams from polyacrylonitrile-borneol films prepared using coaxial electrohydrodynamic atomization. *Carbon*, **2013**, 53, 231-236	10.4	16
64	Electrospun Borneol-PVP Nanocomposites. *Journal of Nanomaterials*, **2012**, 2012, 1-8	3.2	16
63	Comparisons of antibacterial performances between electrospun polymer@drug nanohybrids with drug-polymer nanocomposites. *Advanced Composites and Hybrid Materials*,1	8.7	16
62	Electrospun Nanofibers for Sensors **2019**, 571-601		15
61	Simplified design for solution anode glow discharge atomic emission spectrometry device for highly sensitive detection of Ag, Bi, Cd, Hg, Pb, Tl, and Zn. *Microchemical Journal*, **2020**, 155, 104785	4.8	15
60	Smoothening electrospinning and obtaining high-quality cellulose acetate nanofibers using a modified coaxial process. *Journal of Materials Science*, **2012**, 47, 7138-7147	4.3	15
59	Electrospun poly(2-aminothiazole)/cellulose acetate fiber membrane for removing Hg(II) from water. *Journal of Applied Polymer Science*, **2017**, 134,	2.9	14
58	Performance Assessment of Ordered Porous Electrospun Honeycomb Fibers for the Removal of Atmospheric Polar Volatile Organic Compounds. *Nanomaterials*, **2018**, 8,	5.4	14
57	Electrospinning using a Teflon-coated spinneret. *Applied Surface Science*, **2013**, 284, 889-893	6.7	14
56	Investigation into the toughening mechanism of epoxy reinforced with multi-wall carbon nanotubes. *E-Polymers*, **2015**, 15, 335-343	2.7	14
55	Electrospun Multiple-Chamber Nanostructure and Its Potential Self-Healing Applications. *Polymers*, **2020**, 12,	4.5	14
54	Simple synthesis of conducting poly(2-aminothiazole) with high molecular weight. *Colloid and Polymer Science*, **2015**, 293, 2027-2034	2.4	13
53	Advances in Biosensing and Environmental Monitoring Based on Electrospun Nanofibers. *Advanced Fiber Materials*, **2022**, 4, 404-435	10.9	13

52	Efficient Synthesis of Folate-Conjugated Hollow Polymeric Capsules for Accurate Drug Delivery to Cancer Cells. *Biomacromolecules*, **2021**, 22, 732-742	6.9	13
51	Anti-acute thrombogenic surface using coaxial electrospraying coating for vascular graft application. *Materials Letters*, **2017**, 205, 15-19	3.3	12
50	Electrospun quercetin-loaded zein nanoribbons. *Bio-Medical Materials and Engineering*, **2014**, 24, 2015-23	1	12
49	Triple-Component Drug-Loaded Nanocomposites Prepared Using a Modified Coaxial Electrospinning. *Journal of Nanomaterials*, **2013**, 2013, 1-7	3.2	12
48	Medicated structural PVP/PEG composites fabricated using coaxial electrospinning. *E-Polymers*, **2017**, 17, 39-44	2.7	11
47	The compatibility of acyclovir with polyacrylonitrile in the electrospun drug-loaded nanofibers. *Journal of Applied Polymer Science*, **2010**, 117, NA-NA	2.9	11
46	pH-sensitive polymer nanocoating on hydrophilic composites fabricated using modified coaxial electrospraying. *Materials Letters*, **2018**, 227, 93-96	3.3	11
45	Recent Advances in Poly(□-glutamic acid)-Based Nanomaterials for Drug Delivery. *Biomolecules*, **2022**, 12, 636	5.9	11
44	Influence of sheath solvents on the quality of ethyl cellulose nanofibers in a coaxial electrospinning process. *Bio-Medical Materials and Engineering*, **2014**, 24, 695-701	1	10
43	Comparison of two electrospinning processes in obtaining finer polymer nanofibers. *Fibers and Polymers*, **2012**, 13, 450-455	2	10
42	Medicated Nanofibers Fabricated Using NaCl Solutions as Shell Fluids in Modified Coaxial Electrospinning. *Journal of Nanomaterials*, **2016**, 2016, 1-12	3.2	10
41	Removal and direct visual monitoring of Lead(II) using amino acids functionalized polyacrylonitrile nanofibrous membranes. *Reactive and Functional Polymers*, **2019**, 138, 18-28	4.6	9
40	4-Phosphatephenyl Covalently Modified Glassy Carbon Electrode for Real-Time Electrochemical Monitoring of Paracetamol Release from Electrospun Nanofibers. *Electroanalysis*, **2012**, 24, 1937-1944	3	9
39	Dual-stage Release of Ketoprofen from Electrosprayed Core□Shell Hybrid Polyvinyl Pyrrolidone/Ethyl Cellulose Nanoparticles **2020**, 1, 14		9
38	Epoxy Resin Nanofibers Prepared Using Electrospun Core/Sheath Nanofibers as Templates. *Macromolecular Materials and Engineering*, **2013**, 298, 664-669	3.9	8
37	Electrosprayed Ultra-Thin Coating of Ethyl Cellulose on Drug Nanoparticles for Improved Sustained Release. *Nanomaterials*, **2020**, 10,	5.4	8
36	Chemical Oxidative Polymerization of 2-Aminothiazole in Aqueous Solution: Synthesis, Characterization and Kinetics Study. *Polymers*, **2016**, 8,	4.5	8
35	Engineering of hollow polymeric nanosphere-supported imidazolium-based ionic liquids with enhanced antimicrobial activities. *Nano Research*,1	10	8

34	Electrospun amorphous medicated nanocomposites fabricated using a Teflon-based concentric spinneret. *E-Polymers*, **2018**, 18, 3-11	2.7	7
33	Preparation and characterization of TAM-loaded HPMC/PAN composite fibers for improving drug-release profiles. *Journal of Biomaterials Science, Polymer Edition*, **2011**, 22, 2227-40	3.5	7
32	Electrospun Nanofiber Membranes for Air Filtration: A Review.. *Nanomaterials*, **2022**, 12,	5.4	7
31	Medicated Multiple-component Polymeric Nanocomposites Fabricated Using Electrospraying. *Polymers and Polymer Composites*, **2017**, 25, 57-62	0.8	6
30	Oral controlled release in accordance with drug adsorption biological rhythm provided by an electrospun structural amorphous solid dispersion. *Journal of Controlled Release*, **2017**, 259, e61-e62	11.7	6
29	Electrospun acetaminophen-loaded cellulose acetate nanofibers fabricated using an epoxy-coated spinneret. *E-Polymers*, **2015**, 15, 311-315	2.7	6
28	Electrospun polyacrylonitrile-based lace nanostructures and their Cu(II) adsorption. *Separation and Purification Technology*, **2022**, 288, 120643	8.3	6
27	Bamboo-inspired lightweight tape suture with hollow and porous structure for tendon repair. *Materials and Design*, **2020**, 193, 108843	8.1	6
26	Nanofabrication of Janus Fibers through Side-by-Side Electrospinning - A Mini Review **2021**, 2, 18		6
25	Electrospun hierarchical structural films for effective wound healing **2022**, 212795		6
24	Co-axial electrospinning with sodium thiocyanate solution for preparing polyacrylonitrile nanofibers. *Journal of Polymer Research*, **2012**, 19, 1	2.7	5
23	Shape Memory Polymer Fibers: Materials, Structures, and Applications. *Advanced Fiber Materials*,1	10.9	5
22	Self-Assembly CNTs@PANi Coffee Rings on Poly(styrene-ethylene-butylene-styrene) Triblock Copolymer for Largely Stretchable Electronics. *Polymers*, **2020**, 12,	4.5	4
21	The Influence of Sheath Solvent‘s Flow Rate on the Quality of Electrospun Ethyl Cellulose Nanofibers. *Modeling and Numerical Simulation of Material Science*, **2013**, 03, 1-5	0.7	4
20	Effective Utilization of the Electrostatic Repulsion for Improved Alignment of Electrospun Nanofibers. *Journal of Nanomaterials*, **2016**, 2016, 1-8	3.2	4
19	Tailoring spatial distribution of Eu(TTA)3phen within electrospun polyacrylonitrile nanofibers for high fluorescence efficiency. *RSC Advances*, **2016**, 6, 84074-84081	3.7	4
18	Electrospun Medical Sutures for Wound Healing: A Review.. *Polymers*, **2022**, 14,	4.5	4
17	Hybrid Films Prepared from a Combination of Electrospinning and Casting for Offering a Dual-Phase Drug Release. *Polymers*, **2022**, 14, 2132	4.5	4

16	Electrospun 4th-Generation Solid Dispersions of Poorly Water-Soluble Drug Utilizing Two Different Processes. *Journal of Nanomaterials*, **2018**, 2018, 1-10	3.2	3
15	Beads-on-a-string amorphous solid dispersion fabricated using a modified coaxial electrospinning. *Journal of Controlled Release*, **2017**, 259, e111-e112	11.7	3
14	Nanofibers-Based Food Packaging. *ES Food & Agroforestry*, **2021**,	3	3
13	Electrospun Hybrid Films for Fast and Convenient Delivery of Active Herb Extracts.. *Membranes*, **2022**, 12,	3.8	3
12	Preparation and Characterization of Ultrafine Eudragit L100 fibers via Electrospinning **2009**,		2
11	Preparation of Fast-Dissolving Ursolic Acid Nanofiber Membrances Using Electrospinning **2011**,		2
10	Solidifying Essential Balm into Electrospun Core-sheath Nanofibers for Prolonged Release. *Current Chinese Science*, **2020**, 1, 122-131	0.2	2
9	PREPARATION AND CHARACTERIZATION OF FAST-DISSOLVING ELECTROSPUN DRUG-LOADED PVP NANOFIBER MEMBRANES. *Acta Polymerica Sinica*, **2009**, 009, 1170-1174		2
8	**2010**,		1
7	Polyacrylonitrile/Kaolinite Hybrid Nanofiber Mats Aimed for Treatment of Polluted Water **2009**,		1
6	Applications of Polarization Microscope in Determining the Physical Status of API in the Wet-Spinning Drug-Loaded Fibers **2009**,		1
5	Rheological characteristics of drug-loaded microemulsions and their printability in three dimensional printing systems. *Central South University*, **2008**, 15, 88-92		1
4	In Situ Constructed Nano-Drug Depots through Intracellular Hydrolytic Condensation for Chemotherapy of Bladder Cancer.. *Angewandte Chemie - International Edition*, **2022**, e202116893	16.4	1
3	Electrosprayed Microparticulate Solid Dispersions Composed of Multiple Components. *Applied Mechanics and Materials*, **2014**, 513-517, 259-264	0.3	
2	Photoluminescence Evolution with Deposition Thickness of Ge Nanostructures Embedded in GaSb. *Physica Status Solidi (B): Basic Research*,2100418	1.3	
1	Innovations and advances in electrospraying technology **2021**, 207-228		