

# CITATION REPORT

List of articles citing

## Electrospinning and crosslinking of zein nanofiber mats

DOI: 10.1002/app.24619

Journal of Applied Polymer Science, 2007, 103, 380-385.

**Source:** <https://exaly.com/paper-pdf/42587196/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
136	Fabrication of zein/hyaluronic acid fibrous membranes by electrospinning. <b>2007</b> , 18, 731-42		50
135	Impact of Solvent on Electrospinning of Zein and Analysis of Resulting Fibers. <b>2007</b> , 208, 1002-1010		68
134	Fabrication and characterization of zein-based nanofibrous scaffolds by an electrospinning method. <i>Macromolecular Bioscience</i> , <b>2007</b> , 7, 517-25	5.5	81
133	Novel zein-based electrospun fibers with the water stability and strength necessary for various applications. <b>2008</b> , 57, 1110-1117		31
132	Electrospun Zein Fibers Using Glutaraldehyde as the Crosslinking Reagent: Effect of Time and Temperature. <b>2008</b> , 209, 1003-1011		56
131	Polymer micro or nanofibers for optical device applications. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 110, 1080-1084	2.9	26
130	Biofibres and biocomposites. <b>2008</b> , 71, 343-364		1564
129	Characterization of the morphology and thermal properties of Zein Prolamine nanostructures obtained by electrospinning. <b>2008</b> , 22, 601-614		227
128	Fabrication, functionalization, and application of electrospun biopolymer nanofibers. <b>2008</b> , 48, 775-97		246
127	A Review: Electrospinning of Biopolymer Nanofibers and their Applications. <b>2008</b> , 48, 317-352		619
126	Electrospinning of natural proteins for tissue engineering scaffolding. <b>2008</b> , 446-482		1
125	Preparation and characterization of zein and zein/poly-L-lactide nanofiber yarns. <i>Journal of Applied Polymer Science</i> , <b>2009</b> , 114, 2079-2086	2.9	37
124	Compatible Blends of Zein and Polyvinylpyrrolidone. <b>2009</b> , 17, 115-122		18
123	Electrospun zein fibers as carriers to stabilize (-)-epigallocatechin gallate. <b>2009</b> , 74, C233-40		157
122	Novel antimicrobial ultrathin structures of zein/chitosan blends obtained by electrospinning. <b>2009</b> , 77, 261-266		148
121	Cytocompatible cross-linking of electrospun zein fibers for the development of water-stable tissue engineering scaffolds. <b>2010</b> , 6, 4042-51		155
120	Electrospinning of zein/chitosan composite fibrous membranes. <b>2010</b> , 28, 171-179		32

119	Zein-based ultrathin fibers containing ceramic nanofillers obtained by electrospinning. I. Morphology and thermal properties. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a	2.9	10
118	Fabrication and characterization of zein/viscose textibe fibers. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, 3364-3370	2.9	3
117	Effect of glycerol on solution properties governing morphology, glass transition temperature, and tensile properties of electrospun zein film. <i>Journal of Applied Polymer Science</i> , <b>2010</b> , 118, n/a-n/a	2.9	4
116	Aqueous electrospinning of wheat gluten fibers with thiolated additives. <i>Polymer</i> , <b>2010</b> , 51, 3164-3172	3.9	28
115	Wet-spinning of amyloid protein nanofibers into multifunctional high-performance biofibers. <b>2011</b> , 12, 3453-9		61
114	Preparation and application of chitosan nanoparticles and nanofibers. <b>2011</b> , 28, 353-362		156
113	Potential of plant proteins for medical applications. <b>2011</b> , 29, 490-8		173
112	Electrospinning formaldehyde-crosslinked zein solutions. <b>2011</b> , 60, 537-542		13
111	Water-stable electrospun zein fibers for potential drug delivery. <b>2011</b> , 22, 1393-408		32
110	Electrospun fibers: fabrication, functionalities and potential food industry applications. <b>2012</b> , 362-397		12
109	Electrospun zein/BVP fibre composite and its potential medical application. <b>2012</b> , 16, 14-18		29
108	Protein- and peptide-based electrospun nanofibers in medical biomaterials. <b>2012</b> , 8, 1242-62		164
107	Effect of pH on protein distribution in electrospun PVA/BSA composite nanofibers. <b>2012</b> , 13, 1269-78		47
106	Physicochemical modification of kafirin microparticles and their ability to bind bone morphogenetic protein-2 (BMP-2), for application as a biomaterial. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 8419-26	5.7	12
105	Chitosan based nanofibers, review. <b>2012</b> , 32, 1711-1726		236
104	Cross-linked Electrospun Fibrous Scaffolds for Tissue Engineering. <b>2012</b> , 1, 2-14		6
103	Electrospinning of Prolamin Proteins in Acetic Acid: The Effects of Protein Conformation and Aggregation in Solution. <b>2012</b> , 297, 902-913		46
102	Influence of solution and processing parameters towards the fabrication of electrospun zein fibers with sub-micron diameter. <i>Journal of Food Engineering</i> , <b>2012</b> , 109, 645-651	6	92

101	Electrospun zein fibers using glyoxal as the crosslinking reagent. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 123, 2651-2661	2.9	20
100	Alimentary $\beta$ green proteins as electrospun scaffolds for skin regenerative engineering. <b>2013</b> , 7, 994-1008		33
99	Biopolymer-Based Nanofiber Mats and Their Mechanical Characterization. <b>2013</b> , 52, 15104-15113		38
98	Zein/polycaprolactone electrospun matrices for localised controlled delivery of tetracycline. <b>2013</b> , 3, 542-50		18
97	Zein-based polymers formed by modifications with isocyanates. <b>2013</b> , 43, 106-113		18
96	Biodegradable polyester-based heat management materials of interest in refrigeration and smart packaging coatings. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 130, 3251-3262	2.9	29
95	Zein nanofibrous membranes as templates for biomineralization of hydroxyapatite crystallites. <b>2013</b> , 34, 1163-1171		13
94	Water-stable electrospun collagen fibers from a non-toxic solvent and crosslinking system. <b>2013</b> , 101, 1237-47		83
93	Effect of montmorillonite on wettability and microstructure properties of zein/montmorillonite nanocomposite nanofiber mats. <b>2013</b> , 47, 251-257		21
92	Developments in the Science of Zein, Kafirin, and Gluten Protein Bioplastic Materials. <b>2013</b> , 90, 344-357		45
91	Impact of Thiocyanate Salts on Physical, Thermal, and Rheological Properties of Zein Films. <b>2013</b> , 90, 204-210		5
90	Recent advances in food-packing, pharmaceutical and biomedical applications of zein and zein-based materials. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 22438-70	6.3	149
89	Atom efficient thermal and photocuring combined treatments for the synthesis of novel eco-friendly grid-like zein nanofibres. <b>2014</b> , 4, 61573-61579		5
88	Ultrafine fibrous gelatin scaffolds with deep cell infiltration mimicking 3D ECMs for soft tissue repair. <b>2014</b> , 25, 1789-800		19
87	Electrospun soy protein scaffolds as wound dressings: Enhanced reepithelialization in a porcine model of wound healing. <b>2014</b> , 5, 9-15		53
86	Nanofabrication Techniques in Native Polymer-based 3D Substitutes. <b>2014</b> , 221-256		
85	Water-resistant plant protein-based nanofiber membranes. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132,	2.9	18
84	Sub-micron sized saccharide fibres via electrospinning. <b>2015</b> , 1, 1-9		3

83	Co-electrospun nanofibers of PVA-SbQ and Zein for wound healing. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	14
82	Fabrication and characterization of UV-crosslinkable thermoresponsive composite fibers with magnetic properties. <b>2015</b> , 53, 2152-2162		9
81	Zein-Based Nanofibres for Drug Delivery: Classes and Current Applications. <b>2015</b> , 21, 3199-207		22
80	Development of Food Nanostructures by Electrospinning. <b>2015</b> , 39-58		1
79	Preparation and characterisation of zein films obtained by electro spraying. <b>2015</b> , 49, 1-10		29
78	Porous, Water-Resistant Multifilament Yarn Spun from Gelatin. <b>2015</b> , 16, 1997-2005		10
77	Food Nanoscience and Nanotechnology. <b>2015</b> ,		9
76	Keratin Extracted from Chicken Feather Waste: Extraction, Preparation, and Structural Characterization of the Keratin and Keratin/Biopolymer Films and Electrospuns. <b>2015</b> , 23, 506-516		62
75	Nano-web structures constructed with a cellulose acetate/lithium chloride/polyethylene oxide hybrid: modeling, fabrication and characterization. <b>2015</b> , 115, 760-7		4
74	Olive leaf extract as a crosslinking agent for the preparation of electrospun zein fibers. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	18
73	Optimum Conditions for the Fabrication of Zein/Ag Composite Nanoparticles from Ethanol/H <sub>2</sub> O Co-Solvents Using Electrospinning. <b>2016</b> , 6,		8
72	Novel Natural Polymer/Medicinal Plant Extract Electrospun Nanofiber for Cosmeceutical Application. <b>2016</b> ,		3
71	A review on electrospun polymer nanostructures as advanced bioactive platforms. <b>2016</b> , 56, 500-527		96
70	Thermoresponsive conductive polymer composite thin film and fiber mat: Crosslinked PEDOT:PSS and P(NIPAAm-co-NMA) composite. <b>2016</b> , 54, 1078-1087		9
69	Preparation and properties of thermoresponsive and conductive composite fibers with core-sheath structure. <b>2016</b> , 54, 1299-1307		6
68	Electrospun nanofibres in agriculture and the food industry: a review. <b>2016</b> , 96, 4663-4678		96
67	Optimization of electrospinning process of zein using central composite design. <b>2016</b> , 17, 769-777		22
66	Solution-blown nanofiber mats from fish sarcoplasmic protein. <i>Polymer</i> , <b>2016</b> , 93, 78-87	3.9	20

65	Electrospinning: From Fundamentals to Applications. <b>2016</b> , 147-218		
64	Novel electrospun poly(glycerol sebacate)/zein fiber mats as candidate materials for cardiac tissue engineering. <b>2016</b> , 75, 504-513		37
63	Encapsulation of bioactive compounds through electrospinning/electrospraying and spray drying: A comparative assessment of food-related applications. <b>2017</b> , 35, 139-162		102
62	Fabrication of electrospun antioxidant nanofibers by rutin-pluronic solid dispersions for enhanced solubility. <i>Journal of Applied Polymer Science</i> , <b>2017</b> , 134,	2.9	12
61	Zein-based composites in biomedical applications. <b>2017</b> , 105, 1656-1665		47
60	Electrospun protein nanofibers in healthcare: A review. <i>International Journal of Pharmaceutics</i> , <b>2017</b> , 523, 52-90	6.5	98
59	Electrospun starch nanofibers: Recent advances, challenges, and strategies for potential pharmaceutical applications. <b>2017</b> , 252, 95-107		113
58	Collagen and Its Modifications: Crucial Aspects with Concern to Its Processing and Analysis. <b>2017</b> , 302, 1600460		32
57	Soy Protein Isolate-Based Films. <b>2017</b> , 195-230		
56	Electrospun polymeric nanofibers: New horizons in drug delivery. <b>2017</b> , 107, 148-167		168
55	Biodegradable zein-polydopamine polymeric scaffold impregnated with TiO nanoparticles for skin tissue engineering. <i>Biomedical Materials (Bristol)</i> , <b>2017</b> , 12, 055008	3.5	34
54	Bioaktive Glas-Scaffolds beschichtet mit Zein, einem pflanzlichen Protein: Entwicklung und Eigenschaften. <b>2017</b> , 69, 34-41		
53	. <b>2017</b> ,		4
52	Natural polypeptides treat pollution complex: Moisture-resistant multi-functional protein nanofabrics for sustainable air filtration. <b>2018</b> , 11, 4265-4277		50
51	A novel electrospun hydroxypropyl methylcellulose/polyethylene oxide blend nanofibers: Morphology and physicochemical properties. <b>2018</b> , 181, 234-246		55
50	Designer fibers from 2D to 3D: Simultaneous and controlled engineering of morphology, shape and size. <b>2018</b> , 334, 89-98		34
49	Electrospinning of zein/propolis nanofibers; antimicrobial properties and morphology investigation. <b>2018</b> , 29, 165		27
48	Electrospun Zein Fibers Incorporating Poly(glycerol sebacate) for Soft Tissue Engineering. <b>2018</b> , 8,		54

47	Application of Electrospinning as Bioactive Delivery System. <b>2019</b> , 145-149		
46	Nanoencapsulation of carotenoids extracted from tomato peels into zein fibers by electrospinning. <b>2019</b> , 99, 759-766		34
45	A comprehensive review of electrospun nanofibers: Food and packaging perspective. <b>2019</b> , 175, 107074		74
44	Status of Plant Protein-Based Green Scaffolds for Regenerative Medicine Applications. <b>2019</b> , 9,		26
43	A spectroscopic and thermal investigation into the relationship between composition, secondary structure and physical characteristics of electrospun zein nanofibers. <b>2019</b> , 98, 409-418		21
42	Plant-Based Meat Analogues. <b>2019</b> , 103-126		65
41	Poly (sodium 4-styrene sulfonate)-modified hydroxyapatite nanoparticles in zein-based scaffold as a drug carrier for vancomycin. <b>2019</b> , 100, 874-885		19
40	Fabrication of zein-based electrospun nanofiber decorated with gold nanoparticles as a SERS platform. <b>2019</b> , 54, 8872-8891		15
39	Sustainable elastomers derived from cellulose, rosin and fatty acid by a combination of "graft from" RAFT and isocyanate chemistry. <b>2019</b> , 131, 387-395		11
38	Encapsulation of Lovastatin in Zein Nanoparticles Exhibits Enhanced Apoptotic Activity in HepG2 Cells. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	23
37	Bisabolol-Loaded Cross-Linked Zein Nanofibrous 3D-Scaffolds For Accelerating Wound Healing And Tissue Regeneration In Rats. <b>2019</b> , 14, 8251-8270		11
36	Development macro-porous electro-spun meshes with clinically relevant mechanical properties-a technical note. <i>Biomedical Materials (Bristol)</i> , <b>2019</b> , 14, 024103	3.5	2
35	Influence of process variables on the yield and diameter of zein-poly(N-isopropylacrylamide) fiber blends obtained by electrospinning. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 292, 109971	6	9
34	Electrospun zein/graphene oxide nanosheet composite nanofibers with controlled drug release as antibacterial wound dressing. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , <b>2020</b> , 69, 173-185	3	36
33	Photo-stability of lutein in surfactant-free lutein-zein composite colloidal particles. <i>Food Chemistry: X</i> , <b>2020</b> , 5, 100071	4.7	8
32	Zein nanofibers via deep eutectic solvent electrospinning: tunable morphology with super hydrophilic properties. <i>Scientific Reports</i> , <b>2020</b> , 10, 15307	4.9	20
31	Graphene oxide crosslinked-zein nanofibrous scaffolds for prominent Cu-adsorption as tissue regeneration promoters in diabetic rats: Nanofibers optimization and in vivo assessment. <i>International Journal of Pharmaceutics</i> , <b>2020</b> , 590, 119919	6.5	4
30	A Bimodal Protein Fabric Enabled via In Situ Diffusion for High-Performance Air Filtration. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 12042-12050	10.3	10

29	Unfolding the electrospinning potential of biopolymers for preparation of nanofibers. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 57, 101604	4.5	48
28	ActiVLayer nanofiber technology. <b>2020</b> , 225-246		
27	Incorporation of Plasticizers and Co-proteins in Zein Electrospun Fibers. <i>Journal of Agricultural and Food Chemistry</i> , <b>2020</b> , 68, 14610-14619	5.7	4
26	Air-Jet Spun Corn Zein Nanofibers and Thin Films with Topical Drug for Medical Applications. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
25	The Use of Poly(-vinyl pyrrolidone) in the Delivery of Drugs: A Review. <i>Polymers</i> , <b>2020</b> , 12,	4.5	65
24	Zein-Based Electrospun Fibers Containing Bioactive Glass with Antibacterial Capabilities. <i>Macromolecular Bioscience</i> , <b>2020</b> , 20, e2000059	5.5	9
23	Zein impart hydrophobic and antimicrobial properties to cotton textiles. <i>Reactive and Functional Polymers</i> , <b>2020</b> , 154, 104664	4.6	9
22	Physical properties of zein networks treated with microbial transglutaminase. <i>Food Chemistry</i> , <b>2021</b> , 338, 128010	8.5	15
21	Nanoencapsulation of cinnamic aldehyde using zein nanofibers by novel needle-less electrospinning: Production, characterization and their application to reduce nitrite in sausages. <i>Journal of Food Engineering</i> , <b>2021</b> , 288, 110140	6	27
20	Electrospun nanofibers of biopolymers and biocomposites. <b>2021</b> , 297-350		0
19	Enzymatic and chemical modification of zein for food application. <i>Trends in Food Science and Technology</i> , <b>2021</b> , 112, 507-517	15.3	10
18	Preparation of core-sheath nanofibers with high latent heat by thermal cross-linking and coaxial electrospinning. <i>Polymer</i> , <b>2021</b> , 228, 123958	3.9	4
17	Electrohydrodynamic processing for the production of zein-based microstructures and nanostructures. <i>Current Opinion in Colloid and Interface Science</i> , <b>2021</b> , 56, 101504	7.6	6
16	Electrospun Nanofibers: Solving Global Issues. <i>Nanostructure Science and Technology</i> , <b>2014</b> , 3-38	0.9	2
15	Highly Elastic and Water Stable Zein Microfibers as a Potential Drug Delivery System for Wound Healing. <i>Pharmaceutics</i> , <b>2020</b> , 12,	6.4	9
14	Ardil Protein Based Electro spun Mat for Medical Applications Investigation. <i>Bulletin of Scientific Research</i> , 17-23	0	1
13	Synthesis and photocatalysis of novel Z-scheme CeO <sub>2</sub> /Ag-AgVO <sub>3</sub> heterojunction nanofibers and their efficient antibacterial properties. <i>Journal of Environmental Chemical Engineering</i> , <b>2021</b> , 9, 106498	6.8	0
12	Effect of Ethanol/water Solvent Ratios on the Morphology of Zein Nanofiber Mats and their Wettability. <i>Textile Coloration and Finishing</i> , <b>2011</b> , 23, 227-232		1



11	A Detailed Review on Pore Structure Analysis of Electrospun Porous Membranes. <b>2014</b> , 29-49		
10	Nanofibers: Electrospinning of Biopolymers. 5201-5225		
9	Development of the process of extraction of corn gluten. <i>Chemistry Technology and Application of Substances</i> , <b>2018</b> , 1, 152-156	0.2	
8	Optimization of Concentration and Applied Voltage of Electrospun Zein Nanofibers. <i>SSRN Electronic Journal</i> ,	1	
7	UV-Crosslinked Electrospun Zein/PEO Fibroporous Membranes for Wound Dressing.. <i>ACS Applied Bio Materials</i> , <b>2022</b> ,	4.1	2
6	Natural protein-based electrospun nanofibers for advanced healthcare applications: progress and challenges.. <i>3 Biotech</i> , <b>2022</b> , 12, 92	2.8	0
5	ELECTROSPUN SODIUM ALGINATE/POLY(ETHYLENE OXIDE) NANOFIBERS FOR WOUND HEALING APPLICATIONS: CHALLENGES AND FUTURE DIRECTIONS. <i>Cellulose Chemistry and Technology</i> , <b>2022</b> , 56, 251-270	1.9	1
4	Recent progress in using zein nanoparticles-loaded nanocomposites for food packaging applications. 1-21		0
3	Electrospun Mucoadhesive Zein/PVP Fibroporous Membrane for Transepithelial Delivery of Propranolol Hydrochloride.		0
2	Antimicrobial Bilayer Film Based on Chitosan/Electrospun Zein Fiber Loaded with Jaboticaba Peel Extract for Food Packaging Applications. <b>2022</b> , 14, 5457		0
1	Polymer Nanofibers. 1-39		0