Tamer Uyar

List of Publications by Year
in descending order

270 papers	13,174 citations	14614 66 h-index	35952 97 g-index
275 all docs	275 docs citations	275 times ranked	12842 citing authors

#	Article	IF	Citations
1	Electrospinning of uniform polystyrene fibers: The effect of solvent conductivity. Polymer, 2008, 49, 5336-5343.	1.8	355
2	Role of zinc interstitials and oxygen vacancies of ZnO in photocatalysis: a bottom-up approach to control defect density. Nanoscale, 2014, 6, 10224-10234.	2.8	320
3	Carvacrol loaded electrospun fibrous films from zein and poly(lactic acid) for active food packaging. Food Hydrocolloids, 2018, 81, 48-59.	5.6	263
4	Encapsulation of vanillin/cyclodextrin inclusion complex in electrospun polyvinyl alcohol (PVA) nanowebs: Prolonged shelf-life and high temperature stability of vanillin. Food Chemistry, 2012, 133, 641-649.	4.2	256
5	Antioxidant, antibacterial and antifungal electrospun nanofibers for food packaging applications. Food Research International, 2020, 130, 108927.	2.9	196
6	Antibacterial electrospun zein nanofibrous web encapsulating thymol/cyclodextrin-inclusion complex for food packaging. Food Chemistry, 2017, 233, 117-124.	4.2	179
7	Enhanced Thermal Stability of Eugenol by Cyclodextrin Inclusion Complex Encapsulated in Electrospun Polymeric Nanofibers. Journal of Agricultural and Food Chemistry, 2013, 61, 8156-8165.	2.4	176
8	Antibacterial Electrospun Poly(lactic acid) (PLA) Nanofibrous Webs Incorporating Triclosan/Cyclodextrin Inclusion Complexes. Journal of Agricultural and Food Chemistry, 2013, 61, 3901-3908.	2.4	160
9	Drug delivery system based on cyclodextrin-naproxen inclusion complex incorporated in electrospun polycaprolactone nanofibers. Colloids and Surfaces B: Biointerfaces, 2014, 115, 15-21.	2.5	156
10	Review of one-dimensional and two-dimensional nanostructured materials for hydrogen generation. Physical Chemistry Chemical Physics, 2015, 17, 2960-2986.	1.3	151
11	Polymerâ€“Inorganic Coreâ€“Shell Nanofibers by Electrospinning and Atomic Layer Deposition: Flexible Nylonâ€“ZnO Coreâ€“Shell Nanofiber Mats and Their Photocatalytic Activity. ACS Applied Materials & Interfaces, 2012, 4, 6185-6194.	4.0	150
12	Selective isolation of the electron or hole in photocatalysis: ZnOâ€“TiO2 and TiO2â€“ZnO coreâ€“shell structured heterojunction nanofibers via electrospinning and atomic layer deposition. Nanoscale, 2014, 6, 5735.	2.8	139
13	Superhydrophobic, Hybrid, Electrospun Cellulose Acetate Nanofibrous Mats for Oil/Water Separation by Tailored Surface Modification. ACS Applied Materials & Interfaces, 2016, 8, 19747-19754.	4.0	138
14	Functional Electrospun Polystyrene Nanofibers Incorporating Î±-, Î²-, and Î³-Cyclodextrins: Comparison of Molecular Filter Performance. ACS Nano, 2010, 4, 5121-5130.	7.3	137
15	Encapsulation of gallic acid/cyclodextrin inclusion complex in electrospun polylactic acid nanofibers: Release behavior and antioxidant activity of gallic acid. Materials Science and Engineering C, 2016, 63, 231-239.	3.8	135
16	Thymol/cyclodextrin inclusion complex nanofibrous webs: Enhanced water solubility, high thermal stability and antioxidant property of thymol. Food Research International, 2018, 106, 280-290.	2.9	134
17	Cyclodextrin nanofibers by electrospinning. Chemical Communications, 2010, 46, 6903.	2.2	131
18	Functional electrospun polymeric nanofibers incorporating geraniolâ€“cyclodextrin inclusion complexes: High thermal stability and enhanced durability of geraniol. Food Research International, 2014, 62, 424-431.	2.9	131

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19	Electrospun zein nanofibers incorporating cyclodextrins. Carbohydrate Polymers, 2012, 90, 558-568.	5.1	129
20	Electrospun porous cellulose acetate fibers from volatile solvent mixture. Materials Letters, 2011, 65, 2291-2294.	1.3	125
21	Surface modification of electrospun polyester nanofibers with cyclodextrin polymer for the removal of phenanthrene from aqueous solution. Journal of Hazardous Materials, 2013, 261, 286-294.	6.5	125
22	Multifunctional ZnO nanorod-reduced graphene oxide hybrids nanocomposites for effective water remediation: Effective sunlight driven degradation of organic dyes and rapid heavy metal adsorption. Chemical Engineering Journal, 2017, 325, 588-600.	6.6	125
23	Electrospinning of Polymer-free Nanofibers from Cyclodextrin Inclusion Complexes. Langmuir, 2011, 27, 6218-6226.	1.6	123
24	Electrospinning of nanofibers from non-polymeric systems: polymer-free nanofibers from cyclodextrin derivatives. Nanoscale, 2012, 4, 621-631.	2.8	121
25	Antibacterial electrospun nanofibers from triclosan/cyclodextrin inclusion complexes. Colloids and Surfaces B: Biointerfaces, 2014, 116, 612-619.	2.5	119
26	Solid Inclusion Complexes of Vanillin with Cyclodextrins: Their Formation, Characterization, and High-Temperature Stability. Journal of Agricultural and Food Chemistry, 2011, 59, 11772-11778.	2.4	118
27	Fast-dissolving antioxidant curcumin/cyclodextrin inclusion complex electrospun nanofibrous webs. Food Chemistry, 2020, 317, 126397.	4.2	118
28	Quercetin/Î²-cyclodextrin inclusion complex embedded nanofibres: Slow release and high solubility. Food Chemistry, 2016, 197, 864-871.	4.2	115
29	Cyclodextrin-grafted electrospun cellulose acetate nanofibers via â€œClickâ€•reaction for removal of phenanthrene. Applied Surface Science, 2014, 305, 581-588.	3.1	113
30	Electrospinning of Cyclodextrin Functional Nanofibers for Drug Delivery Applications. Pharmaceutics, 2019, 11, 6.	2.0	111
31	Core-shell nanofibers of curcumin/cyclodextrin inclusion complex and polylactic acid: Enhanced water solubility and slow release of curcumin. International Journal of Pharmaceutics, 2017, 518, 177-184.	2.6	108
32	Molecular filters based on cyclodextrin functionalized electrospun fibers. Journal of Membrane Science, 2009, 332, 129-137.	4.1	103
33	Electrospinning of cyclodextrin/linalool-inclusion complex nanofibers: Fast-dissolving nanofibrous web with prolonged release and antibacterial activity. Food Chemistry, 2017, 231, 192-201.	4.2	99
34	Sulfisoxazole/cyclodextrin inclusion complex incorporated in electrospun hydroxypropyl cellulose nanofibers as drug delivery system. Colloids and Surfaces B: Biointerfaces, 2015, 128, 331-338.	2.5	98
35	One-step synthesis of size-tunable Ag nanoparticles incorporated in electrospun PVA/cyclodextrin nanofibers. Carbohydrate Polymers, 2014, 99, 808-816.	5.1	95
36	Crystalline Cyclodextrin Inclusion Compounds Formed with Aromatic Guests:â€‰ Guest-Dependent Stoichiometries and Hydration-Sensitive Crystal Structures. Crystal Growth and Design, 2006, 6, 1113-1119.	1.4	94

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37	Electrospinning of cyclodextrin functionalized polyethylene oxide (PEO) nanofibers. European Polymer Journal, 2009, 45, 1032-1037.	2.6	93
38	Glucose sensors based on electrospun nanofibers: a review. Analytical and Bioanalytical Chemistry, 2016, 408, 1285-1306.	1.9	93
39	Progress in the design and development of â€œfast-dissolvingâ€•electrospun nanofibers based drug delivery systems - A systematic review. Journal of Controlled Release, 2020, 326, 482-509.	4.8	93
40	Fast-Dissolving, Prolonged Release, and Antibacterial Cyclodextrin/Limonene-Inclusion Complex Nanofibrous Webs via Polymer-Free Electrospinning. Journal of Agricultural and Food Chemistry, 2016, 64, 7325-7334.	2.4	92
41	Antioxidant Vitamin E/Cyclodextrin Inclusion Complex Electrospun Nanofibers: Enhanced Water Solubility, Prolonged Shelf Life, and Photostability of Vitamin E. Journal of Agricultural and Food Chemistry, 2017, 65, 5404-5412.	2.4	92
42	Morphological Control of Mesoporosity and Nanoparticles within Co₃O₄â€“CuO Electrospun Nanofibers: Quantum Confinement and Visible Light Photocatalysis Performance. ACS Applied Materials & Interfaces, 2017, 9, 35757-35774.	4.0	92
43	Reusable bacteria immobilized electrospun nanofibrous webs for decolorization of methylene blue dye in wastewater treatment. RSC Advances, 2014, 4, 32249-32255.	1.7	91
44	Fast Dissolving Oral Drug Delivery System Based on Electrospun Nanofibrous Webs of Cyclodextrin/Ibuprofen Inclusion Complex Nanofibers. Molecular Pharmaceutics, 2019, 16, 4387-4398.	2.3	91
45	Enhanced photocatalytic activity of homoassembled ZnO nanostructures on electrospun polymeric nanofibers: A combination of atomic layer deposition and hydrothermal growth. Applied Catalysis B: Environmental, 2014, 156-157, 173-183.	10.8	89
46	Fabrication of Electrospun Eugenol/Cyclodextrin Inclusion Complex Nanofibrous Webs for Enhanced Antioxidant Property, Water Solubility, and High Temperature Stability. Journal of Agricultural and Food Chemistry, 2018, 66, 457-466.	2.4	89
47	Electrospinning of nanofibers from non-polymeric systems: Electrospun nanofibers from native cyclodextrins. Journal of Colloid and Interface Science, 2013, 404, 1-7.	5.0	87
48	Polymer-free nanofibers from vanillin/cyclodextrin inclusion complexes: high thermal stability, enhanced solubility and antioxidant property. Food and Function, 2016, 7, 3141-3153.	2.1	87
49	Release and antibacterial activity of allyl isothiocyanate/Î²-cyclodextrin complex encapsulated in electrospun nanofibers. Colloids and Surfaces B: Biointerfaces, 2014, 120, 125-131.	2.5	86
50	Highly Fluorescent Pyrene-Functional Polystyrene Copolymer Nanofibers for Enhanced Sensing Performance of TNT. ACS Applied Materials & Interfaces, 2015, 7, 21038-21046.	4.0	85
51	Polylactic acid (PLA)/Silver-NP/VitaminE bionanocomposite electrospun nanofibers with antibacterial and antioxidant activity. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	84
52	Electrospinning of gelatin with tunable fiber morphology from round to flat/ribbon. Materials Science and Engineering C, 2017, 80, 371-378.	3.8	84
53	Menthol/cyclodextrin inclusion complex nanofibers: Enhanced water-solubility and high-temperature stability of menthol. Journal of Food Engineering, 2018, 224, 27-36.	2.7	82
54	Encapsulation of living bacteria in electrospun cyclodextrin ultrathin fibers for bioremediation of heavy metals and reactive dye from wastewater. Colloids and Surfaces B: Biointerfaces, 2018, 161, 169-176.	2.5	82

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55	One-step green synthesis of antibacterial silver nanoparticles embedded in electrospun cyclodextrin nanofibers. Carbohydrate Polymers, 2019, 207, 471-479.	5.1	82
56	Nanograined surface shell wall controlled ZnOâ€“ZnS coreâ€“shell nanofibers and their shell wall thickness dependent visible photocatalytic properties. Catalysis Science and Technology, 2017, 7, 1167-1180.	2.1	80
57	Electrospun polystyrene fibers containing high temperature stable volatile fragrance/flavor facilitated by cyclodextrin inclusion complexes. Reactive and Functional Polymers, 2009, 69, 145-150.	2.0	79
58	Fast-dissolving electrospun gelatin nanofibers encapsulating ciprofloxacin/cyclodextrin inclusion complex. Colloids and Surfaces B: Biointerfaces, 2019, 178, 129-136.	2.5	78
59	Electrospinning of functional poly(methyl methacrylate) nanofibers containing cyclodextrin-menthol inclusion complexes. Nanotechnology, 2009, 20, 125703.	1.3	77
60	Cyclodextrin functionalized poly(methyl methacrylate) (PMMA) electrospun nanofibers for organic vapors waste treatment. Journal of Membrane Science, 2010, 365, 409-417.	4.1	75
61	Molecular entrapment of volatile organic compounds (VOCs) by electrospun cyclodextrin nanofibers. Chemosphere, 2016, 144, 736-744.	4.2	75
62	Electrochemical synthesis: a novel technique for processing multi-functional coatings. Progress in Organic Coatings, 2003, 47, 365-375.	1.9	74
63	Electrospinning of polymer-free cyclodextrin/geraniolâ€“inclusion complex nanofibers: enhanced shelf-life of geraniol with antibacterial and antioxidant properties. RSC Advances, 2016, 6, 46089-46099.	1.7	74
64	pH-responsive nanofibers with controlled drug release properties. Polymer Chemistry, 2014, 5, 2050-2056.	1.9	71
65	Electrospinning of cyclodextrin functionalized poly(methyl methacrylate) (PMMA) nanofibers. Polymer, 2009, 50, 475-480.	1.8	70
66	Antioxidant electrospun zein nanofibrous web encapsulating quercetin/cyclodextrin inclusion complex. Journal of Materials Science, 2018, 53, 1527-1539.	1.7	70
67	Electrospun formulation of acyclovir/cyclodextrin nanofibers for fast-dissolving antiviral drug delivery. Materials Science and Engineering C, 2021, 118, 111514.	3.8	69
68	Bioactive Surface Design Based on Functional Composite Electrospun Nanofibers for Biomolecule Immobilization and Biosensor Applications. ACS Applied Materials & Interfaces, 2014, 6, 5235-5243.	4.0	68
69	Surface modification of electrospun cellulose acetate nanofibers via RAFT polymerization for DNA adsorption. Carbohydrate Polymers, 2014, 113, 200-207.	5.1	67
70	Bacteria encapsulated electrospun nanofibrous webs for remediation of methylene blue dye in water. Colloids and Surfaces B: Biointerfaces, 2017, 152, 245-251.	2.5	67
71	Antioxidant activity and photostability of Î±-tocopherol/Î²-cyclodextrin inclusion complex encapsulated electrospun polycaprolactone nanofibers. European Polymer Journal, 2016, 79, 140-149.	2.6	65
72	Molecular Encapsulation of Cinnamaldehyde within Cyclodextrin Inclusion Complex Electrospun Nanofibers: Fast-Dissolution, Enhanced Water Solubility, High Temperature Stability, and Antibacterial Activity of Cinnamaldehyde. Journal of Agricultural and Food Chemistry, 2019, 67, 11066-11076.	2.4	65

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73	Flexible and highly stable electrospun nanofibrous membrane incorporating gold nanoclusters as an efficient probe for visual colorimetric detection of Hg(<scp>ii</scp>). Journal of Materials Chemistry A, 2014, 2, 12717-12723.	5.2	64
74	Design and fabrication of auxetic PCL nanofiber membranes for biomedical applications. Materials Science and Engineering C, 2017, 81, 334-340.	3.8	64
75	Microalgae Immobilized by Nanofibrous Web for Removal of Reactive Dyes from Wastewater. Industrial & Engineering Chemistry Research, 2015, 54, 5802-5809.	1.8	62
76	Polymer-free electrospun nanofibers from sulfobutyl ether 7 -beta-cyclodextrin (SBE 7 -Î²-CD) inclusion complex with sulfisoxazole: Fast-dissolving and enhanced water-solubility of sulfisoxazole. International Journal of Pharmaceutics, 2017, 531, 550-558.	2.6	62
77	Electrospinning of uniform nanofibers of Polymers of Intrinsic Microporosity (PIM-1): The influence of solution conductivity and relative humidity. Polymer, 2019, 178, 121610.	1.8	62
78	Fast-dissolving carvacrol/cyclodextrin inclusion complex electrospun fibers with enhanced thermal stability, water solubility, and antioxidant activity. Journal of Materials Science, 2018, 53, 15837-15849.	1.7	60
79	Metronidazole/Hydroxypropyl-Î²-Cyclodextrin inclusion complex nanofibrous webs as fast-dissolving oral drug delivery system. International Journal of Pharmaceutics, 2019, 572, 118828.	2.6	58
80	Gold nanoparticle/polymer nanofibrous composites by laser ablation and electrospinning. Materials Letters, 2011, 65, 2941-2943.	1.3	57
81	Real-time selective visual monitoring of Hg2+ detection at ppt level: An approach to lighting electrospun nanofibers using gold nanoclusters. Scientific Reports, 2015, 5, 10403.	1.6	57
82	Grain boundary engineering in electrospun ZnO nanostructures as promising photocatalysts. CrystEngComm, 2016, 18, 6341-6351.	1.3	57
83	Electrospun crosslinked poly-cyclodextrin nanofibers: Highly efficient molecular filtration thru host-guest inclusion complexation. Scientific Reports, 2017, 7, 7369.	1.6	57
84	Electrohydrodynamic encapsulation of eugenol-cyclodextrin complexes in pullulan nanofibers. Food Hydrocolloids, 2021, 111, 106264.	5.6	57
85	Transformation of polymer-ZnO coreâ€“shell nanofibers into ZnO hollow nanofibers: Intrinsic defect reorganization in ZnO and its influence on the photocatalysis. Applied Catalysis B: Environmental, 2015, 176-177, 646-653.	10.8	56
86	Antioxidant Î±â€tocopherol/Î³â€cyclodextrinâ€“inclusion complex encapsulated poly(lactic acid) electrospun nanofibrous web for food packaging. Journal of Applied Polymer Science, 2017, 134, .	1.3	56
87	Nickel nanoparticles decorated on electrospun polycaprolactone/chitosan nanofibers as flexible, highly active and reusable nanocatalyst in the reduction of nitrophenols under mild conditions. Applied Catalysis B: Environmental, 2017, 203, 549-562.	10.8	56
88	Surface-decorated ZnO nanoparticles and ZnO nanocoating on electrospun polymeric nanofibers by atomic layer deposition for flexible photocatalytic nanofibrous membranes. RSC Advances, 2013, 3, 6817.	1.7	54
89	Atomic Layer Deposition of NiOOH/Ni(OH)₂ on PIMâ€1â€Based Nâ€Doped Carbon Nanofibers for Electrochemical Water Splitting in Alkaline Medium. ChemSusChem, 2019, 12, 1469-1477.	3.6	54
90	Synthesis of polybenzoxazine/clay nanocomposites by in situ thermal ringâ€opening polymerization using intercalated monomer. Journal of Polymer Science Part A, 2011, 49, 4213-4220.	2.5	53

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91	Electrospinning of Cyclodextrinâ€“Pseudopolyrotaxane Nanofibers. Angewandte Chemie - International Edition, 2008, 47, 9108-9111.	7.2	52
92	Toxicity of lanthanum oxide (La₂O₃) nanoparticles in aquatic environments. Environmental Sciences: Processes and Impacts, 2015, 17, 1265-1270.	1.7	52
93	Systematic hydrolysis of PIM-1 and electrospinning of hydrolyzed PIM-1 ultrafine fibers for an efficient removal of dye from water. Reactive and Functional Polymers, 2017, 121, 67-75.	2.0	52
94	Amine modified electrospun PIM-1 ultrafine fibers for an efficient removal of methyl orange from an aqueous system. Applied Surface Science, 2018, 453, 220-229.	3.1	52
95	Fabrication of cellulose acetate/polybenzoxazine cross-linked electrospun nanofibrous membrane for water treatment. Carbohydrate Polymers, 2017, 177, 378-387.	5.1	51
96	Reorganization and improvement of bulk polymers by processing with their cyclodextrin inclusion compounds. Polymer, 2005, 46, 4762-4775.	1.8	50
97	Electrospun polyester/cyclodextrin nanofibers for entrapment of volatile organic compounds. Polymer Engineering and Science, 2014, 54, 2970-2978.	1.5	50
98	Development of ferulic acid/cyclodextrin inclusion complex nanofibers for fast-dissolving drug delivery system. International Journal of Pharmaceutics, 2020, 584, 119395.	2.6	50
99	Removal of aniline from air and water by polymers of intrinsic microporosity (PIM-1) electrospun ultrafine fibers. Journal of Colloid and Interface Science, 2018, 516, 317-324.	5.0	49
100	Efficient ammonium removal from aquatic environments by Acinetobacter calcoaceticus STB1 immobilized on an electrospun cellulose acetate nanofibrous web. Green Chemistry, 2013, 15, 2566.	4.6	48
101	Cyclodextrin-functionalized mesostructured silica nanoparticles for removal of polycyclic aromatic hydrocarbons. Journal of Colloid and Interface Science, 2017, 497, 233-241.	5.0	48
102	Amidoxime functionalized Polymers of Intrinsic Microporosity (PIM-1) electrospun ultrafine fibers for rapid removal of uranyl ions from water. Applied Surface Science, 2019, 467-468, 648-657.	3.1	48
103	Electrospun Polyethylene Oxide (PEO) Nanofibers Containing Cyclodextrin Inclusion Complex. Journal of Nanoscience and Nanotechnology, 2011, 11, 3949-3958.	0.9	47
104	Electrospun gamma-cyclodextrin (Î³-CD) nanofibers for the entrapment of volatile organic compounds. RSC Advances, 2013, 3, 22891.	1.7	46
105	Efficient Removal of Polycyclic Aromatic Hydrocarbons and Heavy Metals from Water by Electrospun Nanofibrous Polycyclodextrin Membranes. ACS Omega, 2019, 4, 7850-7860.	1.6	46
106	Hydrocortisone/cyclodextrin complex electrospun nanofibers for a fast-dissolving oral drug delivery system. RSC Medicinal Chemistry, 2020, 11, 245-258.	1.7	46
107	Water-soluble non-polymeric electrospun cyclodextrin nanofiber template for the synthesis of metal oxide tubes by atomic layer deposition. RSC Advances, 2014, 4, 61698-61705.	1.7	45
108	Ultrafast on-site selective visual detection of TNT at sub-ppt level using fluorescent gold cluster incorporated single nanofiber. Chemical Communications, 2015, 51, 5590-5593.	2.2	44

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109	Sensitive Surface States and their Passivation Mechanism in CdS Quantum Dots. Journal of Physical Chemistry C, 2013, 117, 21609-21618.	1.5	43
110	Electrospun UV-responsive supramolecular nanofibers from a cyclodextrinâ€“azobenzene inclusion complex. Journal of Materials Chemistry C, 2013, 1, 850-855.	2.7	43
111	Water-Insoluble Hydrophilic Electrospun Fibrous Mat of Cyclodextrinâ€“Epichlorohydrin Polymer as Highly Effective Sorbent. ACS Applied Polymer Materials, 2019, 1, 54-62.	2.0	43
112	In situ synthesis of polymer/clay nanocomposites by type II photoinitiated free radical polymerization. Journal of Polymer Science Part A, 2011, 49, 3658-3663.	2.5	42
113	Atomic Layer Deposition of Ruthenium Nanoparticles on Electrospun Carbon Nanofibers: A Highly Efficient Nanocatalyst for the Hydrolytic Dehydrogenation of Methylamine Borane. ACS Applied Materials & Interfaces, 2018, 10, 26162-26169.	4.0	41
114	The formation and characterization of cyclodextrin functionalized polystyrene nanofibers produced by electrospinning. Nanotechnology, 2009, 20, 125605.	1.3	40
115	Poly-cyclodextrin cryogels with aligned porous structure for removal of polycyclic aromatic hydrocarbons (PAHs) from water. Journal of Hazardous Materials, 2017, 335, 108-116.	6.5	40
116	Polymerization of Styrene in Cyclodextrin Channels: Can Confined Free-Radical Polymerization Yield Stereoregular Polystyrene?. Macromolecular Rapid Communications, 2004, 25, 1382-1386.	2.0	39
117	Comparison of pure and mixed gas permeation of the highly fluorinated polymer of intrinsic microporosity PIM-2 under dry and humid conditions: Experiment and modelling. Journal of Membrane Science, 2020, 594, 117460.	4.1	39
118	Fluorescence from graphene oxide and the influence of ionic, Ï€â€“Ï€ interactions and heterointerfaces: electron or energy transfer dynamics. Physical Chemistry Chemical Physics, 2014, 16, 21183-21203.	1.3	38
119	Bioactive peptide functionalized aligned cyclodextrin nanofibers for neurite outgrowth. Journal of Materials Chemistry B, 2017, 5, 517-524.	2.9	38
120	Thermal degradation of polycarbonate, poly(vinyl acetate) and their blends. Polymer Degradation and Stability, 2006, 91, 2960-2967.	2.7	37
121	Electrospun polymeric nanofibrous composites containing TiO2 short nanofibers. Materials Chemistry and Physics, 2011, 129, 701-704.	2.0	37
122	Immobilization of gold nanoclusters inside porous electrospun fibers for selective detection of Cu(II): A strategic approach to shielding pristine performance. Scientific Reports, 2015, 5, 15608.	1.6	37
123	â€œNanotrapsâ€• in porous electrospun fibers for effective removal of lead(<scp>ii</scp>) in water. Journal of Materials Chemistry A, 2016, 4, 2484-2493.	5.2	37
124	Hydrochromic carbon dots as smart sensors for water sensing in organic solvents. Nanoscale Advances, 2019, 1, 4258-4267.	2.2	36
125	Pyrolysis mass spectrometry analysis of poly(vinyl acetate), poly(methyl methacrylate) and their blend coalesced from inclusion compounds formed with Î³-cyclodextrin. Polymer Degradation and Stability, 2006, 91, 1-11.	2.7	35
126	Polysulfone/Clay Nanocomposites by in situ Photoinduced Crosslinking Polymerization. Macromolecular Materials and Engineering, 2011, 296, 1101-1106.	1.7	35

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127	Removal of a reactive dye and hexavalent chromium by a reusable bacteria attached electrospun nanofibrous web. RSC Advances, 2015, 5, 86867-86874.	1.7	35
128	Antibacterial nanofibers of pullulan/tetracycline-cyclodextrin inclusion complexes for Fast-Disintegrating oral drug delivery. Journal of Colloid and Interface Science, 2022, 610, 321-333.	5.0	35
129	Fast-dissolving electrospun nanofibrous films of paracetamol/cyclodextrin inclusion complexes. Applied Surface Science, 2019, 492, 626-633.	3.1	34
130	Encapsulation and Stabilization of Î±-Lipoic Acid in Cyclodextrin Inclusion Complex Electrospun Nanofibers: Antioxidant and Fast-Dissolving Î±-Lipoic Acid/Cyclodextrin Nanofibrous Webs. Journal of Agricultural and Food Chemistry, 2019, 67, 13093-13107.	2.4	34
131	Spectroscopic investigation of oxidation of p-toluene sulfonic acid doped polypyrrole. Synthetic Metals, 2001, 123, 335-342.	2.1	33
132	The Solid Channel Structure Inclusion Complex Formed Between Guest Styrene and Host Î³-Cyclodextrin. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2006, 55, 109-121.	1.6	33
133	Bacteria immobilized electrospun polycaprolactone and polylactic acid fibrous webs for remediation of textile dyes in water. Chemosphere, 2017, 184, 393-399.	4.2	33
134	Functionalized Electrospun Nanofibers as a Versatile Platform for Colorimetric Detection of Heavy Metal Ions in Water: A Review. Materials, 2020, 13, 2421.	1.3	33
135	Rational synthesis of Na and S co-catalyst TiO₂-based nanofibers: presence of surface-layered TiS₃ shell grains and sulfur-induced defects for efficient visible-light driven photocatalysis. Journal of Materials Chemistry A, 2017, 5, 14206-14219.	5.2	32
136	Ultrasensitive electrospun fluorescent nanofibrous membrane for rapid visual colorimetric detection of H2O2. Analytical and Bioanalytical Chemistry, 2016, 408, 1347-1355.	1.9	31
137	Efficient Encapsulation of Citral in Fast-Dissolving Polymer-Free Electrospun Nanofibers of Cyclodextrin Inclusion Complexes: High Thermal Stability, Longer Shelf-Life, and Enhanced Water Solubility of Citral. Nanomaterials, 2018, 8, 793.	1.9	31
138	The use of pyrolysis mass spectrometry to investigate polymerization and degradation processes of methyl amine-based benzoxazine. Polymer Testing, 2010, 29, 520-526.	2.3	30
139	Investigation of polymerization of benzoxazines and thermal degradation characteristics of polybenzoxazines via direct pyrolysis mass spectrometry. Polymer International, 2012, 61, 1532-1541.	1.6	30
140	Electrospun nanofibers from cyclodextrin inclusion complexes with cineole and pâ€cymene: enhanced water solubility and thermal stability. International Journal of Food Science and Technology, 2018, 53, 112-120.	1.3	30
141	Intimate blending of binary polymer systems from their common cyclodextrin inclusion compounds. Journal of Polymer Science, Part B: Polymer Physics, 2005, 43, 2578-2593.	2.4	29
142	Defect related emission versus intersystem crossing: blue emitting ZnO/graphene oxide quantum dots. Nanoscale, 2015, 7, 16110-16118.	2.8	29
143	Surface Decoration of Pt Nanoparticles via ALD with TiO2 Protective Layer on Polymeric Nanofibers as Flexible and Reusable Heterogeneous Nanocatalysts. Scientific Reports, 2017, 7, 13401.	1.6	29
144	Facile and green synthesis of palladium nanoparticles loaded into cyclodextrin nanofibers and their catalytic application in nitroarene hydrogenation. New Journal of Chemistry, 2019, 43, 3146-3152.	1.4	29

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145	Electrospinning of Cyclodextrin Nanofibers: The Effect of Process Parameters. Journal of Nanomaterials, 2020, 2020, 1-10.	1.5	29
146	Encapsulation of camphor in cyclodextrin inclusion complex nanofibers via polymer-free electrospinning: enhanced water solubility, high temperature stability, and slow release of camphor. Journal of Materials Science, 2018, 53, 5436-5449.	1.7	28
147	Synthesis and characterization of bioâ€based benzoxazines derived from thymol. Journal of Applied Polymer Science, 2019, 136, 47371.	1.3	28
148	Molecular mixing of incompatible polymers through formation of and coalescence from their common crystalline cyclodextrin inclusion compounds. Journal of Polymer Science, Part B: Polymer Physics, 2004, 42, 4207-4224.	2.4	27
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