# Hany El-Hamshary

List of Publications by Year
in descending order



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|---|---|---|---|
| 102 papers | 3,918 citations | 94381 37 h-index | 138417 58 g-index |
| 102 all docs | 102 docs citations | 102 times ranked | 4986 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Converging 3D Printing and Electrospinning: Effect of Poly(<scp>l</scp>â€lactide)/Gelatin Based Short Nanofibers Aerogels on Tracheal Regeneration. Macromolecular Bioscience, 2022, 22, e2100342. | 2.1 | 14 |
| 2 | Vascular Endothelial Growth Factor-Capturing Aligned Electrospun Polycaprolactone/Gelatin Nanofibers Promote Patellar Ligament Regeneration. Acta Biomaterialia, 2022, 140, 233-246. | 4.1 | 41 |
| 3 | Chondroitin sulfate cross-linked three-dimensional tailored electrospun scaffolds for cartilage regeneration. Materials Science and Engineering C, 2022, 134, 112643. | 3.8 | 15 |
| 4 | Immobilization of lanthanide doped aluminate phosphor onto recycled polyester toward the development of longâ€persistent photoluminescence smart window. Luminescence, 2022, 37, 610-621. | 1.5 | 15 |
| 5 | Prodrug inspired biâ€layered electrospun membrane with properties of enhanced tissue integration for guided tissue regeneration. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2022, , . | 1.6 | 1 |
| 6 | Development of Luminescent Solution Blown Spun Nanofibers from Recycled Polyester Waste Toward Dual-mode Fluorescent Photochromism. Journal of Polymers and the Environment, 2022, 30, 3483-3494. | 2.4 | 26 |
| 7 | Facile Preparation of Porous Carbon Flake-Supported Nickel Nanoplates as Effective Catalysts for Methanol Electrooxidation. Catalysts, 2022, 12, 556. | 1.6 | 1 |
| 8 | Composite Superelastic Aerogel Scaffolds Containing Flexible SiO<sub>2</sub> Nanofibers Promote Bone Regeneration. Advanced Healthcare Materials, 2022, 11, . | 3.9 | 17 |
| 9 | Flexible and reusable carbon nano-fibre membranes for airborne contaminants capture. Science of the Total Environment, 2021, 754, 142231. | 3.9 | 18 |
| 10 | Nickel ferrite beehive-like nanosheets for binder-free and high-energy-storage supercapacitor electrodes. Journal of Alloys and Compounds, 2021, 852, 156929. | 2.8 | 44 |
| 11 | Core-shell nanofibers from poly(vinyl alcohol) based biopolymers using emulsion electrospinning as drug delivery system for cephalexin drug. Journal of Macromolecular Science - Pure and Applied Chemistry, 2021, 58, 130-144. | 1.2 | 25 |
| 12 | The Impact of AN Contribution on the Thermal Characteristics and Molecular Dynamics of Novel Acrylonitrileâ€“Styreneâ€“Styrene Sodium Sulfonate Terpolymers. Polymers, 2021, 13, 420. | 2.0 | 1 |
| 13 | Exploration of the antibacterial and wound healing potential of a PLGA/silk fibroin based electrospun membrane loaded with zinc oxide nanoparticles. Journal of Materials Chemistry B, 2021, 9, 1452-1465. | 2.9 | 78 |
| 14 | Electrospinning: An emerging technology to construct polymer-based nanofibrous scaffolds for diabetic wound healing. Frontiers of Materials Science, 2021, 15, 10-35. | 1.1 | 12 |
| 15 | Enhancing the Antifungal Activity of Griseofulvin by Incorporation a Green Biopolymer-Based Nanocomposite. Polymers, 2021, 13, 542. | 2.0 | 43 |
| 16 | Solution Blowing Spinning Technology towards Green Development of Urea Sensor Nanofibers Immobilized with Hydrazone Probe. Polymers, 2021, 13, 531. | 2.0 | 30 |
| 17 | Fabrication of Sustained Release System of Electrospun Poly(acrylic acid)/Dextran Nanofibers Using Emulsion Electrospinning as Wound Dressing Applications. Journal of Nanoscience and Nanotechnology, 2021, 21, 1613-1622. | 0.9 | 2 |
| 18 | Preparation and Characterization of Nanofibrous Scaffolds of Ag/Vanadate Hydroxyapatite Encapsulated into Polycaprolactone: Morphology, Mechanical, and In Vitro Cells Adhesion. Polymers, 2021, 13, 1327. | 2.0 | 15 |

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|---|---|---|---|
| 19 | Conjugate Electrospun 3D Gelatin Nanofiber Sponge for Rapid Hemostasis. Advanced Healthcare Materials, 2021, 10, e2100918. | 3.9 | 79 |
| 20 | Reduced graphene oxide supersonically sprayed on wearable fabric and decorated with iron oxide for supercapacitor applications. Journal of Materials Science and Technology, 2021, 82, 47-56. | 5.6 | 17 |
| 21 | Efficient electrospun terpolymer nanofibers for the removal of cationic dyes from polluted waters: A non-linear isotherm and kinetic study. Journal of Environmental Chemical Engineering, 2021, 9, 105361. | 3.3 | 15 |
| 22 | Multifunctional bioactive core-shell electrospun membrane capable to terminate inflammatory cycle and promote angiogenesis in diabetic wound. Bioactive Materials, 2021, 6, 2783-2800. | 8.6 | 71 |
| 23 | Preparation of Multifunctional Plasma Cured Cellulose Fibers Coated with Photo-Induced Nanocomposite toward Self-Cleaning and Antibacterial Textiles. Polymers, 2021, 13, 3664. | 2.0 | 5 |
| 24 | A coupled catalyst composed of CoFe2O4 magnetic nanoparticle and [HMIM]Br-FeCl3 to intensify the oxidative desulfurization of FCC diesel. Green Chemical Engineering, 2021, 2, 441-449. | 3.3 | 1 |
| 25 | Biocidal Polymers: Synthesis, Characterization and Antimicrobial Activity of Bis-Quaternary Onium Salts of Poly(aspartate-co-succinimide). Polymers, 2021, 13, 23. | 2.0 | 8 |
| 26 | PLCL/Silk fibroin based antibacterial nano wound dressing encapsulating oregano essential oil: Fabrication, characterization and biological evaluation. Colloids and Surfaces B: Biointerfaces, 2020, 196, 111352. | 2.5 | 40 |
| 27 | Synthesis of aminated electrospun carbon nanofibers and their application in removal of cationic dye. Materials Research Bulletin, 2020, 132, 111003. | 2.7 | 12 |
| 28 | Polyaspartate-Ionene/Na+-Montmorillonite Nanocomposites as Novel Adsorbent for Anionic Dye; Effect of Ionene Structure. Polymers, 2020, 12, 2843. | 2.0 | 8 |
| 29 | Impact of Chain Length on Release Behavior of Modified Polyethylene Glycol Intercalated-Montmorillonite Nanocomposite. Journal of Nanoscience and Nanotechnology, 2020, 20, 5546-5554. | 0.9 | 5 |
| 30 | Advanced fabrication for electrospun three-dimensional nanofiber aerogels and scaffolds. Bioactive Materials, 2020, 5, 963-979. | 8.6 | 121 |
| 31 | An atorvastatin calcium and poly(L-lactide-co-caprolactone) core-shell nanofiber-covered stent to treat aneurysms and promote reendothelialization. Acta Biomaterialia, 2020, 111, 102-117. | 4.1 | 20 |
| 32 | Controlled Release of Phosphorus from Superabsorbent Phosphate-Bound Alginate-Graft-Polyacrylamide: Resistance to Soil Cations and Release Mechanism. ACS Omega, 2020, 5, 32919-32929. | 1.6 | 17 |
| 33 | Functionalized electrospun carbon nanofibers for removal of cationic dye. Arabian Journal of Chemistry, 2019, 12, 747-759. | 2.3 | 46 |
| 34 | One-pot synthesis of catalytic molybdenum based nanocomposite nano-fiber membranes for aerosol air remediation. Science of the Total Environment, 2019, 647, 725-733. | 3.9 | 42 |
| 35 | Physico-Chemical and Biological Evaluation of PLCL/SF Nanofibers Loaded with Oregano Essential Oil. Pharmaceutics, 2019, 11, 386. | 2.0 | 35 |
| 36 | Single-nozzle Core-shell Electrospun Nanofibers of PVP/Dextran as Drug Delivery System. Fibers and Polymers, 2019, 20, 2078-2089. | 1.1 | 27 |

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|---|---|---|---|
| 37 | Alkali-activated electrospun carbon nanofibers as an efficient bifunctional adsorbent for cationic and anionic dyes. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 582, 123835. | 2.3 | 29 |
| 38 | Effective adsorption of Coomassie brilliant blue dye using poly(phenylene diamine)grafted electrospun carbon nanofibers as a novel adsorbent. Materials Chemistry and Physics, 2019, 234, 133-145. | 2.0 | 62 |
| 39 | Electrospun Nanofibers for Tissue Engineering with Drug Loading and Release. Pharmaceutics, 2019, 11, 182. | 2.0 | 151 |
| 40 | Fabrication of functionalized electrospun carbon nanofibers for enhancing lead-ion adsorption from aqueous solutions. Scientific Reports, 2019, 9, 19467. | 1.6 | 44 |
| 41 | Facile preparation of a controlled-release tubular scaffold for blood vessel implantation. Journal of Colloid and Interface Science, 2019, 539, 351-360. | 5.0 | 28 |
| 42 | Evaluation of clay-ionene nanocomposite carriers for controlled drug delivery: Synthesis, in vitro drug release, and kinetics. Materials Chemistry and Physics, 2019, 225, 122-132. | 2.0 | 42 |
| 43 | Three-dimensional electrospun nanofibrous scaffolds displaying bone morphogenetic protein-2-derived peptides for the promotion of osteogenic differentiation of stem cells and bone regeneration. Journal of Colloid and Interface Science, 2019, 534, 625-636. | 5.0 | 106 |
| 44 | In Vitro Validation of a Numerical Simulation of Leaflet Kinematics in a Polymeric Aortic Valve Under Physiological Conditions. Cardiovascular Engineering and Technology, 2018, 9, 42-52. | 0.7 | 12 |
| 45 | Pore engineering towards highly efficient electrospun nanofibrous membranes for aerosol particle removal. Science of the Total Environment, 2018, 625, 706-715. | 3.9 | 63 |
| 46 | Controlled release of phosphorous fertilizer bound to carboxymethyl starch-g-polyacrylamide and maintaining a hydration level for the plant. International Journal of Biological Macromolecules, 2018, 116, 224-231. | 3.6 | 49 |
| 47 | Synthesis and characterization of incorporating mussel mimetic moieties into photoactive hydrogel adhesive. Colloids and Surfaces B: Biointerfaces, 2018, 161, 94-102. | 2.5 | 16 |
| 48 | Fabrication and characterization of TGF-Î²1-loaded electrospun poly (lactic-co-glycolic acid) core-sheath sutures. Colloids and Surfaces B: Biointerfaces, 2018, 161, 331-338. | 2.5 | 28 |
| 49 | High Efficiency Poly(acrylonitrile) Electrospun Nanofiber Membranes for Airborne Nanomaterials Filtration. Advanced Engineering Materials, 2018, 20, 1700572. | 1.6 | 84 |
| 50 | Fabrication and preliminary study of a biomimetic tri-layer tubular graft based on fibers and fiber yarns for vascular tissue engineering. Materials Science and Engineering C, 2018, 82, 121-129. | 3.8 | 87 |
| 51 | Green Electrospining of Hydroxypropyl Cellulose Nanofibres for Drug Delivery Applications. Journal of Nanoscience and Nanotechnology, 2018, 18, 805-814. | 0.9 | 62 |
| 52 | Modified alginate and gelatin cross-linked hydrogels for soft tissue adhesive. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 76-83. | 1.9 | 65 |
| 53 | Groove fibers based porous scaffold for cartilage tissue engineering application. Materials Letters, 2017, 192, 44-47. | 1.3 | 9 |
| 54 | Synthesis of RGD-peptide modified poly(ester-urethane) urea electrospun nanofibers as a potential application for vascular tissue engineering. Chemical Engineering Journal, 2017, 315, 177-190. | 6.6 | 77 |

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|---|---|---|---|
| 55 | Development of Dynamic Liquid and Conjugated Electrospun Poly(L-lactide-co-caprolactone)/Collagen Nanoyarns for Regulating Vascular Smooth Muscle Cells Growth. Journal of Biomedical Nanotechnology, 2017, 13, 303-312. | 0.5 | 17 |
| 56 | Application of a bilayer tubular scaffold based on electrospun poly(<scp>l</scp>-lactide-co-caprolactone)/collagen fibers and yarns for tracheal tissue engineering. Journal of Materials Chemistry B, 2017, 5, 139-150. | 2.9 | 38 |
| 57 | Laminin-coated nerve guidance conduits based on poly(<scp>l</scp>-lactide-co-glycolide) fibers and yarns for promoting Schwann cellsâ€™ proliferation and migration. Journal of Materials Chemistry B, 2017, 5, 3186-3194. | 2.9 | 50 |
| 58 | Fabrication and characterization of Antheraea pernyi silk fibroin-blended P(LLA-CL) nanofibrous scaffolds for peripheral nerve tissue engineering. Frontiers of Materials Science, 2017, 11, 22-32. | 1.1 | 17 |
| 59 | Injectable photo crosslinked enhanced double-network hydrogels from modified sodium alginate and gelatin. International Journal of Biological Macromolecules, 2017, 96, 569-577. | 3.6 | 91 |
| 60 | Incorporation of amoxicillin-loaded organic montmorillonite into poly(ester-urethane) urea nanofibers as a functional tissue engineering scaffold. Colloids and Surfaces B: Biointerfaces, 2017, 151, 314-323. | 2.5 | 35 |
| 61 | A soft tissue adhesive based on aldehyde-sodium alginate and amino-carboxymethyl chitosan preparation through the Schiff reaction. Frontiers of Materials Science, 2017, 11, 215-222. | 1.1 | 30 |
| 62 | Development of Nanofiber Sponges-Containing Nerve Guidance Conduit for Peripheral Nerve Regeneration in Vivo. ACS Applied Materials & Interfaces, 2017, 9, 26684-26696. | 4.0 | 77 |
| 63 | Suture materials â€" Current and emerging trends. Journal of Biomedical Materials Research - Part A, 2016, 104, 1544-1559. | 2.1 | 122 |
| 64 | Polypyrrole-coated poly(<scp>l</scp>-lactic acid-co-Îµ-caprolactone)/silk fibroin nanofibrous membranes promoting neural cell proliferation and differentiation with electrical stimulation. Journal of Materials Chemistry B, 2016, 4, 6670-6679. | 2.9 | 94 |
| 65 | An in situ forming tissue adhesive based on poly(ethylene glycol)-dimethacrylate and thiolated chitosan through the Michael reaction. Journal of Materials Chemistry B, 2016, 4, 5585-5592. | 2.9 | 37 |
| 66 | Superabsorbent 3D Scaffold Based on Electrospun Nanofibers for Cartilage Tissue Engineering. ACS Applied Materials & Interfaces, 2016, 8, 24415-24425. | 4.0 | 246 |
| 67 | Fabrication of poly(ester-urethane)urea elastomer/gelatin electrospun nanofibrous membranes for potential applications in skin tissue engineering. RSC Advances, 2016, 6, 73636-73644. | 1.7 | 23 |
| 68 | Preparation of biocompatible system based on electrospun CMC/PVA nanofibers as controlled release carrier of diclofenac sodium. Journal of Macromolecular Science - Pure and Applied Chemistry, 2016, 53, 566-573. | 1.2 | 72 |
| 69 | The comparison of the Wnt signaling pathway inhibitor delivered electrospun nanoyarn fabricated with two methods for the application of urethroplasty. Frontiers of Materials Science, 2016, 10, 346-357. | 1.1 | 4 |
| 70 | In vitro evaluation of electrospun gelatinâ€“glutaraldehyde nanofibers. Frontiers of Materials Science, 2016, 10, 90-100. | 1.1 | 41 |
| 71 | Development of poly (L-lactide-co-caprolactone) multichannel nerve conduit with aligned electrospun nanofibers for Schwann cell proliferation. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 323-329. | 1.8 | 18 |
| 72 | Superelastic, superabsorbent and 3D nanofiber-assembled scaffold for tissue engineering. Colloids and Surfaces B: Biointerfaces, 2016, 142, 165-172. | 2.5 | 98 |

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|---|---|---|---|
| 73 | Preparation and characterization of electrospunin-situcross-linked gelatin-graphite oxide nanofibers. Journal of Biomaterials Science, Polymer Edition, 2016, 27, 385-402. | 1.9 | 10 |
| 74 | Development of Dual Neurotrophins-Encapsulated Electrospun Nanofibrous Scaffolds for Peripheral Nerve Regeneration. Journal of Biomedical Nanotechnology, 2016, 12, 1987-2000. | 0.5 | 11 |
| 75 | Heparin and Vascular Endothelial Growth Factor Loaded Poly(L-lactide-co-caprolactone) Nanofiber Covered Stent-Graft for Aneurysm Treatment. Journal of Biomedical Nanotechnology, 2015, 11, 1947-1960. | 0.5 | 46 |
| 76 | Synthesis and application of polymer-clay nanocomposite-supported dichromate oxidizing agent. Polymer Composites, 2015, 36, 2066-2075. | 2.3 | 1 |
| 77 | Clay-Polymer Nanocomposite-Supported Brominating Agent. Clays and Clay Minerals, 2015, 63, 328-336. | 0.6 | 6 |
| 78 | Fabrication and characterization of mineralized P(LLA-CL)/SF three-dimensional nanoyarn scaffolds. Iranian Polymer Journal (English Edition), 2015, 24, 29-40. | 1.3 | 22 |
| 79 | Synthesis and antibacterial of carboxymethyl starch-grafted poly(vinyl imidazole) against some plant pathogens. International Journal of Biological Macromolecules, 2015, 72, 1466-1472. | 3.6 | 49 |
| 80 | Fabrication and characterization of Mg/P(LLA-CL)-blended nanofiber scaffold. Journal of Biomaterials Science, Polymer Edition, 2014, 25, 1013-1027. | 1.9 | 8 |
| 81 | Synthesis of Quaternized Amine-Terminated Polyacrylonitrile and Their Antimicrobial Assessment. Journal of Macromolecular Science - Pure and Applied Chemistry, 2014, 51, 527-537. | 1.2 | 14 |
| 82 | Synthesis and Modification of Amine-Terminated Maleic Anhydride-Ethylene Copolymers by Benzaldehyde Derivatives: Characterization and Antimicrobial Properties. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 563-575. | 1.8 | 11 |
| 83 | Removal of heavy metal using poly (N-vinylimidazole)-grafted-carboxymethylated starch. International Journal of Biological Macromolecules, 2014, 66, 289-294. | 3.6 | 48 |
| 84 | Improved Graft Copolymerization of Some Modified Cellulose Polymers with Vinyl Monomers Using Dibenzoyl Peroxide (DBPO) as Initiator. Journal of Macromolecular Science - Pure and Applied Chemistry, 2012, 49, 554-561. | 1.2 | 0 |
| 85 | Synthesis of Cationic and Ampholytic Starch Graft Acrylamide and their Aqueous Salt Absorption. Journal of Macromolecular Science - Pure and Applied Chemistry, 2011, 48, 454-461. | 1.2 | 9 |
| 86 | Electrospinning of nanofibres with parallel line surface texture for improvement of nerve cell growth. Soft Matter, 2011, 7, 10812. | 1.2 | 62 |
| 87 | Oxidation of Phenol by Hydrogen Peroxide Catalyzed by Metal-Containing Poly(amidoxime) Grafted Starch. Molecules, 2011, 16, 9900-9911. | 1.7 | 19 |
| 88 | Electrospun collagenâ€“chitosanâ€“TPU nanofibrous scaffolds for tissue engineered tubular grafts. Colloids and Surfaces B: Biointerfaces, 2011, 82, 307-315. | 2.5 | 201 |
| 89 | Catalytic Activity of Polymer Anchored Cu-tren Complex in the Oxidation of 2,6-Di-t-butyl Phenol. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 329-334. | 1.2 | 8 |
| 90 | A novel approach via combination of electrospinning and FDM for tri-leaflet heart valve scaffold fabrication. Frontiers of Materials Science in China, 2009, 3, 359-366. | 0.5 | 30 |

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| 91 | Synthesis and water sorption studies of pH sensitive poly(acrylamide-co-itaconic acid) hydrogels. European Polymer Journal, 2007, 43, 4830-4838. | 2.6 | 84 |
| 92 | Removal of phenolic compounds using (2-hydroxyethyl methacrylate/acrylamidopyridine) hydrogel prepared by gamma radiation. Separation and Purification Technology, 2007, 57, 329-337. | 3.9 | 30 |
| 93 | Synthesis and biological study of some amino acid functionalized starch-graft-polyacrylamide. Carbohydrate Polymers, 2006, 64, 282-286. | 5.1 | 17 |
| 94 | Positron annihilation study on free volume of amino acid modified, starch-grafted acrylamide copolymer. Radiation Physics and Chemistry, 2006, 75, 590-595. | 1.4 | 17 |
| 95 | Oxidation of 2-mercaptoethanol catalyzed by cobalt(II) phthalocyaninetetrasulfonate supported on poly-N-alkyl-4-vinyl pyridinium/montmorillonite intercalates. Journal of Molecular Catalysis A, 2005, 234, 45-50. | 4.8 | 14 |
| 96 | Catalytic activities of amino acid modified, starch-grafted acrylamide for the decomposition of hydrogen peroxide. Journal of Applied Polymer Science, 2004, 93, 630-636. | 1.3 | 11 |
| 97 | Synthesis of poly(acrylamide-co-4-vinylpyridine) hydrogels and their application in heavy metal removal. Journal of Applied Polymer Science, 2003, 89, 2522-2526. | 1.3 | 34 |
| 98 | Oxidation of 2,6-di-tert-butylphenol by molecular oxygen catalyzed by tetrasodium phthalocyaninatocobalt(II)tetrasulfonate bound to a polymer colloid. Macromolecular Chemistry and Physics, 1994, 195, 3845-3854. | 1.1 | 10 |
| 99 | Synthesis of monodisperse crosslinked polystyrene latexes containing (vinylbenzyl)trimethylammonium chloride units. Langmuir, 1993, 9, 1698-1703. | 1.6 | 33 |
| 100 | Chemically modified poly(methyl methacrylate) resin-bound triphenyl-phosphonium bromide as halogen-carrier in the bromination of organic compounds. European Polymer Journal, 1989, 25, 1083-1085. | 2.6 | 10 |
| 101 | Synthesis of pyridine and quinoline derivatives of poly(methyl methacrylate): their uses as brominating agents. European Polymer Journal, 1988, 24, 1111-1114. | 2.6 | 11 |
| 102 | Developed and Evaluation of Slow Release Phosphorus Fertilizer Using Mono-ammonium Phosphate and Di-ammonium Phosphate. International Research Journal of Pure and Applied Chemistry, 0, , 1-15. | 0.2 | 1 |