

# Mohammad Khorram

## List of Publications by Year in descending order

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44  
papers

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394421  
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times ranked

1835  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation, Characterization, and Surface Modification of Polycaprolactone-Based Nanofibrous Scaffold by Grafting with Collagen for Skin Tissue Engineering. <i>Regenerative Engineering and Translational Medicine</i> , 2022, 8, 545-562.	2.9	4
2	Application of hard-core Exponential-6 intermolecular potential function to determine the second osmotic virial coefficients of polymer solutions. <i>Polymer Bulletin</i> , 2021, 78, 931-950.	3.3	3
3	Fabrication and characterization of conductive polypyrrole/chitosan/collagen electrospun nanofiber scaffold for tissue engineering application. <i>International Journal of Biological Macromolecules</i> , 2021, 168, 175-186.	7.5	115
4	Nonenzymatic dopamine biosensor based on tannin nanocomposite. <i>Journal of Polymer Science</i> , 2021, 59, 428-438.	3.8	5
5	Core-shell chitosan/PVA-based nanofibrous scaffolds loaded with <i>Satureja mutica</i> or <i>Oliveria decumbens</i> essential oils as enhanced antimicrobial wound dressing. <i>International Journal of Pharmaceutics</i> , 2021, 597, 120288.	5.2	53
6	Preparation of multilayer electrospun nanofibrous scaffolds containing soluble eggshell membrane as potential dermal substitute. <i>Journal of Biomedical Materials Research - Part A</i> , 2021, 109, 1812-1827.	4.0	18
7	Dual drug delivery of vancomycin and imipenem/cilastatin by coaxial nanofibers for treatment of diabetic foot ulcer infections. <i>Materials Science and Engineering C</i> , 2021, 123, 111975.	7.3	41
8	Antimicrobial core-shell electrospun nanofibers containing Ajwain essential oil for accelerating infected wound healing. <i>International Journal of Pharmaceutics</i> , 2021, 603, 120698.	5.2	39
9	Dissolvable carboxymethyl cellulose/polyvinylpyrrolidone microneedle arrays for transdermal delivery of Amphotericin B to treat cutaneous leishmaniasis. <i>International Journal of Biological Macromolecules</i> , 2021, 182, 1310-1321.	7.5	29
10	Fabrication of amphotericin B-loaded electrospun core-shell nanofibers as a novel dressing for superficial mycoses and cutaneous leishmaniasis. <i>International Journal of Pharmaceutics</i> , 2021, 606, 120911.	5.2	11
11	Vascularization strategies for skin tissue engineering. <i>Biomaterials Science</i> , 2020, 8, 4073-4094.	5.4	69
12	Glucan-loaded electrospun core-shell nanofibers composed of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (oxide)/g <i>Journal of Biological Macromolecules</i> , 2020, 163, 288-297.	7.5	26
13	Formulation and assessment of nano-encapsulated bioherbicides based on biopolymers and essential oil. <i>Industrial Crops and Products</i> , 2020, 149, 112348.	5.2	45
14	Model modification for equilibrium swelling of highly branched polyamine macromonomers. <i>Polymer Bulletin</i> , 2019, 76, 1115-1133.	3.3	1
15	Investigating the interfacial synthesis of polyurethane microcapsules and optimization of the process using response surface method. <i>Materials Research Express</i> , 2019, 6, 105302.	1.6	11
16	Experimental investigation of an active thermosyphon solar still with enhanced condenser. <i>Renewable Energy</i> , 2019, 143, 328-334.	8.9	36
17	Development of nanofibrous collagen-grafted poly (vinyl alcohol)/gelatin/alginate scaffolds as potential skin substitute. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 977-987.	7.5	75
18	Experimental investigation of mechanical properties of crumbed rubber concrete containing natural zeolite. <i>Construction and Building Materials</i> , 2019, 208, 651-658.	7.2	83

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19	Evaluation of electrospun poly (vinyl alcohol)-based nanofiber mats incorporated with Zataria multiflora essential oil as potential wound dressing. International Journal of Biological Macromolecules, 2019, 125, 743-750.	7.5	133
20	Polypyrrole/tannin biobased nanocomposite with enhanced electrochemical and physical properties. RSC Advances, 2018, 8, 2978-2985.	3.6	21
21	Modeling and optimization of the parameters affecting the in-situ microencapsulation process for producing epoxy-based self-healing anti-corrosion coatings. Particuology, 2018, 36, 59-69.	3.6	23
22	Chromium removal using adsorptive membranes composed of electrospun plasma-treated functionalized polyethylene terephthalate (PET) with chitosan. Journal of Environmental Chemical Engineering, 2017, 5, 2366-2377.	6.7	27
23	Experimental investigation of the effects of different chemical absorbents on wetting and morphology of poly(vinylidene fluoride) membrane. Journal of Applied Polymer Science, 2017, 134, 45543.	2.6	7
24	Fine-Tuning Synthesis and Characterization of Mono-Sized H-Beta Zeolite-Supported Palladium-Iridium Nanoparticles and Application in the Selective Hydrogenation of Acetylene. Catalysts, 2017, 7, 343.	3.5	5
25	Modeling and optimization of antibacterial activity of the chitosan-based hydrogel films using central composite design. Journal of Biomedical Materials Research - Part A, 2016, 104, 2544-2553.	4.0	24
26	Fabrication and characterization of phase change material composite fibers with wide phase-transition temperature range by co-electrospinning method. Applied Energy, 2016, 182, 409-417.	10.1	69
27	Fabrication and characterization of nanofiber-nanoparticle-composites with phase change materials by electrospinning. Applied Thermal Engineering, 2016, 99, 1225-1235.	6.0	75
28	Synthesis of titania-alumina multilayer nanomembranes on performance-improved alumina supports for wastewater treatment. Desalination and Water Treatment, 2016, 57, 9115-9122.	1.0	17
29	Competition between <i>E. coli</i> and <i>Shewanella sp.</i> for electricity generation in air cathode MFC in presence of methylene blue as artificial mediator. Environmental Progress and Sustainable Energy, 2015, 34, 1097-1105.	2.3	18
30	Kinetics investigation of diversity cultures of <i>E. coli</i> and <i>Shewanella sp.</i> , and their combined effect with mediator on MFC performance. Journal of Industrial and Engineering Chemistry, 2015, 25, 42-50.	5.8	21
31	Electrospray preparation of propranolol-loaded alginate beads: Effect of matrix reinforcement on loading and release profile. Journal of Applied Polymer Science, 2015, 132, .	2.6	12
32	Kinetic modeling: a predictive tool for the adsorption of zinc ions onto calcium alginate beads. International Journal of Industrial Chemistry, 2013, 4, 5.	3.1	10
33	Analysis of ammonia separation from purge gases in microporous hollow fiber membrane contactors. Journal of Hazardous Materials, 2013, 260, 576-584.	12.4	18
34	Mathematical modeling of supercritical fluid extraction of oil from canola and sesame seeds. Brazilian Journal of Chemical Engineering, 2013, 30, 159-166.	1.3	34
35	Bovine Serum Albumin-Loaded Chitosan Particles: An Evaluation of Effective Parameters on Fabrication, Characteristics, and in Vitro Release in the Presence of Non-Covalent Interactions. International Journal of Polymeric Materials and Polymeric Biomaterials, 2012, 61, 1079-1090.	3.4	10
36	Preparation of alginate and chitosan nanoparticles using a new reverse micellar system. Iranian Polymer Journal (English Edition), 2012, 21, 99-107.	2.4	54

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37	Intrinsic kinetics of the Fischer-Tropsch synthesis over an impregnated cobalt-potassium catalyst. Korean Journal of Chemical Engineering, 2012, 29, 304-309.	2.7	19
38	Study pulsating electrospray of non-Newtonian and thixotropic sodium alginate solution. Journal of Electrostatics, 2012, 70, 77-82.	1.9	16
39	Combined method of complex coacervation and electrospray for encapsulate preparation. Journal of Applied Polymer Science, 2010, 117, 322-328.	2.6	5
40	Electrospray modeling of highly viscous and non-Newtonian liquids. Journal of Applied Polymer Science, 2010, 118, 1288-1296.	2.6	14
41	Effect of forming on selectivity and attrition of co-precipitated Co-Mn Fischer-Tropsch catalysts. Powder Technology, 2010, 200, 164-170.	4.2	15
42	Comment on "Dynamic and Control of Fluidized Catalytic Crackers. 1. Modeling of the Current Generation of FCC's". Industrial & Engineering Chemistry Research, 2009, 48, 7453-7453.	3.7	0
43	Hydrophilic drug release from bioerodible polyanhydride microspheres. Journal of Applied Polymer Science, 2002, 83, 1457-1464.	2.6	8
44	Kinetic Study on <i>Nannochloropsis Oculata</i> 's Lipid Extraction Using Supercritical CO <sub>2</sub> and <i>n</i> -Hexane for Biodiesel Production. ACS Omega, 0, , .	3.5	2