

Marjan Ghorbani

List of Publications by Year in descending order

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106
papers

3,719
citations

101543

36
h-index

161849

54
g-index

111
all docs

111
docs citations

111
times ranked

3348
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement in the stability of betanin by liposomal nanocarriers: Its application in gummy candy as a food model. <i>Food Chemistry</i> , 2018, 256, 156-162.	8.2	139
2	Aloe vera-loaded nanofibrous scaffold based on Zein/Polycaprolactone/Collagen for wound healing. <i>International Journal of Biological Macromolecules</i> , 2020, 153, 921-930.	7.5	114
3	Development of reinforced chitosan/pectin scaffold by using the cellulose nanocrystals as nanofillers: An injectable hydrogel for tissue engineering. <i>European Polymer Journal</i> , 2020, 130, 109697.	5.4	110
4	An injectable chitosan-based hydrogel scaffold containing gold nanoparticles for tissue engineering applications. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 198-205.	7.5	103
5	Reinforced ZnONPs/ rosemary essential oil-incorporated zein electrospun nanofibers by Î²-carrageenan. <i>Carbohydrate Polymers</i> , 2020, 232, 115800.	10.2	99
6	A review on the construction of hydrogel scaffolds by various chemically techniques for tissue engineering. <i>European Polymer Journal</i> , 2019, 117, 64-76.	5.4	94
7	Chemical gelling of hydrogels-based biological macromolecules for tissue engineering: Photo- and enzymatic-crosslinking methods. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 760-772.	7.5	87
8	Incorporating Cu-based metal-organic framework/drug nanohybrids into gelatin microsphere for ibuprofen oral delivery. <i>Materials Science and Engineering C</i> , 2019, 96, 302-309.	7.3	84
9	Development of resveratrol loaded chitosan-gellan nanofiber as a novel gastrointestinal delivery system. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 698-705.	7.5	81
10	Preparation and characterization of TiO ₂ NPs and betanin loaded zein/sodium alginate nanofibers. <i>Food Packaging and Shelf Life</i> , 2020, 24, 100504.	7.5	81
11	A novel smart PEGylated gelatin nanoparticle for co-delivery of doxorubicin and betanin: A strategy for enhancing the therapeutic efficacy of chemotherapy. <i>Materials Science and Engineering C</i> , 2019, 97, 833-841.	7.3	77
12	Curcumin-loaded naturally-based nanofibers as active wound dressing mats: morphology, drug release, cell proliferation, and cell adhesion studies. <i>New Journal of Chemistry</i> , 2020, 44, 10343-10351.	2.8	75
13	A Gelatin-Based Film Reinforced by Covalent Interaction with Oxidized Guar Gum Containing Green Tea Extract as an Active Food Packaging System. <i>Food and Bioprocess Technology</i> , 2020, 13, 1633-1644.	4.7	74
14	Development of reinforced aldehyde-modified kappa-carrageenan/gelatin film by incorporation of halloysite nanotubes for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 669-676.	7.5	71
15	Silver sulfadiazine-loaded electrospun ethyl cellulose/poly(lactic acid)/collagen nanofibrous mats with antibacterial properties for wound healing. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 1555-1565.	7.5	69
16	Fabrication of food-grade nanofibers of whey protein Isolate+Guar gum using the electrospinning method. <i>Food Hydrocolloids</i> , 2019, 90, 99-104.	10.7	65
17	Targeted hyaluronic acid-based lipid nanoparticle for apigenin delivery to induce Nrf2-dependent apoptosis in lung cancer cells. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 49, 268-276.	3.0	65
18	Electrospun Antibacterial and Antioxidant Zein/Poly(lactic Acid)/Hydroxypropyl Methylcellulose Nanofibers as an Active Food Packaging System. <i>Food and Bioprocess Technology</i> , 2021, 14, 1529-1541.	4.7	63

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19	Nanovehicles for co-delivery of anticancer agents. <i>Drug Discovery Today</i> , 2020, 25, 1416-1430.	6.4	61
20	Redox and pH-responsive gold nanoparticles as a new platform for simultaneous triple anti-cancer drugs targeting. <i>International Journal of Pharmaceutics</i> , 2017, 520, 126-138.	5.2	59
21	Electrospun tetracycline hydrochloride loaded zein/gum tragacanth/poly lactic acid nanofibers for biomedical application. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 1312-1322.	7.5	59
22	Whey protein isolate-guar gum stabilized cumin seed oil nanoemulsion. <i>Food Bioscience</i> , 2019, 28, 49-56.	4.4	56
23	Advanced properties of gelatin film by incorporating modified kappa-carrageenan and zein nanoparticles for active food packaging. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 753-759.	7.5	56
24	Development of biocompatible fluorescent gelatin nanocarriers for cell imaging and anticancer drug targeting. <i>Journal of Materials Science</i> , 2018, 53, 10679-10691.	3.7	55
25	Enhancement of therapeutic efficacy of betanin for diabetes treatment by liposomal nanocarriers. <i>Journal of Functional Foods</i> , 2019, 59, 119-128.	3.4	54
26	Sensitization of MDA-MBA231 breast cancer cell to docetaxel by myricetin loaded into biocompatible lipid nanoparticles via sub-G1 cell cycle arrest mechanism. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2020, 393, 1-11.	3.0	52
27	Fabrication and characterization of novel antibacterial chitosan/dialdehyde guar gum hydrogels containing pomegranate peel extract for active food packaging application. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 179-188.	7.5	52
28	Naringenin-loaded nano-structured lipid carrier fortifies oxaliplatin-dependent apoptosis in HT-29 cell line. <i>Process Biochemistry</i> , 2019, 83, 168-175.	3.7	48
29	Preparation of thermo and pH-responsive polymer@Au/Fe ₃ O ₄ core/shell nanoparticles as a carrier for delivery of anticancer agent. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	46
30	Fabrication of curcumin-zein-ethyl cellulose composite nanoparticles using antisolvent co-precipitation method. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1538-1545.	7.5	44
31	Electrospun nanofiber based on Ethyl cellulose/Soy protein isolated integrated with bitter orange peel extract for antimicrobial and antioxidant active food packaging. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 1313-1323.	7.5	43
32	Improvement of the physico-mechanical properties of antibacterial electrospun poly lactic acid nanofibers by incorporation of guar gum and thyme essential oil. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 622, 126659.	4.7	42
33	Quinoa bioactive protein hydrolysate produced by pancreatin enzyme- functional and antioxidant properties. <i>LWT - Food Science and Technology</i> , 2021, 150, 111853.	5.2	41
34	A novel dual-responsive core-crosslinked magnetic-gold nanogel for triggered drug release. <i>Materials Science and Engineering C</i> , 2016, 68, 436-444.	7.3	40
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37	Pectin modification assisted by nitrogen glow discharge plasma. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 2572-2578.	7.5	39
38	A novel multi stimuli-responsive PEGylated hybrid gold/nanogels for co-delivery of doxorubicin and 6-mercaptopurine. <i>Materials Science and Engineering C</i> , 2018, 92, 599-611.	7.3	39
39	Inulinase immobilized gold-magnetic nanoparticles as a magnetically recyclable biocatalyst for facial and efficient inulin biotransformation to high fructose syrup. <i>International Journal of Biological Macromolecules</i> , 2019, 123, 846-855.	7.5	39
40	Surface decoration of magnetic nanoparticles with folate-conjugated poly(N-isopropylacrylamide-co-itaconic acid): A facial synthesis of dual-responsive nanocarrier for targeted delivery of doxorubicin. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2016, 65, 683-694.	3.4	38
41	Electrospun chitosan/nanocrystalline cellulose-graft-poly(N-vinylcaprolactam) nanofibers as the reinforced scaffold for tissue engineering. <i>Journal of Materials Science</i> , 2020, 55, 2176-2185.	3.7	38
42	Injectable chitosan-quince seed gum hydrogels encapsulated with curcumin loaded-halloysite nanotubes designed for tissue engineering application. <i>International Journal of Biological Macromolecules</i> , 2021, 177, 485-494.	7.5	38
43	Fabrication of all-trans-retinoic acid-loaded biocompatible precircol: A strategy for escaping dose-dependent side effects of doxorubicin. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 159, 620-628.	5.0	36
44	Skin toxicity of topically applied nanoparticles. <i>Therapeutic Delivery</i> , 2019, 10, 383-396.	2.2	33
45	Electrospun ethyl cellulose/poly caprolactone/gelatin nanofibers: The investigation of mechanical, antioxidant, and antifungal properties for food packaging. <i>International Journal of Biological Macromolecules</i> , 2021, 191, 457-464.	7.5	33
46	Fabrication of honey-loaded ethylcellulose/gum tragacanth nanofibers as an effective antibacterial wound dressing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 621, 126615.	4.7	31
47	A novel polymeric micelle-decorated Fe ₃ O ₄ /Au core-shell nanoparticle for pH and reduction-responsive intracellular co-delivery of doxorubicin and 6-mercaptopurine. <i>New Journal of Chemistry</i> , 2018, 42, 18038-18049.	2.8	30
48	Reinforcement of hydrogel scaffold using oxidized-guar gum incorporated with curcumin-loaded zein nanoparticles to improve biological performance. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 59-65.	7.5	30
49	A novel multifunctional bilayer scaffold based on chitosan nanofiber/alginate-gelatin methacrylate hydrogel for full-thickness wound healing. <i>International Journal of Biological Macromolecules</i> , 2021, 193, 734-747.	7.5	30
50	Effect of glutaraldehyde and calcium chloride as different crosslinking agents on the characteristics of chitosan/cellulose nanocrystals scaffold. <i>International Journal of Biological Macromolecules</i> , 2022, 208, 912-924.	7.5	29
51	Development of Antimicrobial Active Food Packaging Film Based on Gelatin/Dialdehyde Quince Seed Gum Incorporated with Apple Peel Polyphenols. <i>Food and Bioprocess Technology</i> , 2022, 15, 693-705.	4.7	27
52	Doxorubicin Imprinted Photoluminescent Polymer as a pH-Responsive Nanocarrier. <i>ACS Applied Bio Materials</i> , 2020, 3, 4168-4178.	4.6	26
53	Physicochemical and antibacterial effect of Soy Protein Isolate/Gelatin electrospun nanofibres incorporated with Zataria multiflora and Cinnamon zeylanicum essential oils. <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 1116-1126.	3.2	26
54	Development of a novel reinforced scaffold based on chitosan/cellulose nanocrystals/halloysite nanotubes for curcumin delivery. <i>Carbohydrate Polymers</i> , 2022, 282, 119127.	10.2	26

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55	Novel thermoresponsive star-like nanomicelles for targeting of anticancer agent. <i>European Polymer Journal</i> , 2018, 107, 143-154.	5.4	25
56	Green one-pot synthesis of multicomponent-crosslinked carboxymethyl cellulose as a safe carrier for the gentamicin oral delivery. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2873-2880.	7.5	25
57	ZIF-8 enriched electrospun ethyl cellulose/polyvinylpyrrolidone scaffolds: The key role of polyvinylpyrrolidone molecular weight. <i>Carbohydrate Polymers</i> , 2022, 291, 119620.	10.2	25
58	Redox-responsive smart nanogels for intracellular targeting of therapeutic agents: applications and recent advances. <i>Journal of Drug Targeting</i> , 2019, 27, 408-422.	4.4	24
59	Evaluation of Antioxidant Activity and Cytotoxicity of Cumin Seed Oil Nanoemulsion Stabilized by Sodium Caseinate- Guar Gum. <i>Pharmaceutical Sciences</i> , 2017, 23, 293-300.	0.2	24
60	Development of a Novel Antimicrobial Electrospun Nanofiber Based on Polylactic Acid/Hydroxypropyl Methylcellulose Containing Pomegranate Peel Extract for Active Food Packaging. <i>Food and Bioprocess Technology</i> , 2021, 14, 2260-2272.	4.7	24
61	A perfect stimuli-responsive magnetic nanocomposite for intracellular delivery of doxorubicin. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 911-921.	2.8	23
62	A review on the role of lipid-based nanoparticles in medical diagnosis and imaging. <i>Therapeutic Delivery</i> , 2018, 9, 557-569.	2.2	22
63	Construction of collagen/nanocrystalline cellulose based-hydrogel scaffolds: synthesis, characterization, and mechanical properties evaluation. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 142-148.	3.4	22
64	Designing magnetic field sensor based on tapered photonic crystal fibre assisted by a ferrofluid. <i>Scientific Reports</i> , 2021, 11, 14325.	3.3	22
65	Chitosan-based nanomicelle as a novel platform for targeted delivery of methotrexate. <i>International Journal of Biological Macromolecules</i> , 2019, 126, 517-524.	7.5	21
66	Recent advances in honey-based hydrogels for wound healing applications: Towards natural therapeutics. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 66, 102789.	3.0	21
67	Adjuvant therapy with statin enriches the anti-proliferative effect of doxorubicin in human ZR-75-1 breast cancer cells via arresting cell cycle and inducing apoptosis. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 1240-1248.	5.6	20
68	In-vitro characterization and cytotoxicity study of flutamide loaded cyclodextrin nanosponges. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 61, 102275.	3.0	19
69	A Novel Aloe Vera-Loaded Ethylcellulose/Hydroxypropyl Methylcellulose Nanofibrous Mat Designed for Wound Healing Application. <i>Journal of Polymers and the Environment</i> , 2022, 30, 867-877.	5.0	19
70	The Antimicrobial, Antioxidative, and Anti-Inflammatory Effects of Polycaprolactone/Gelatin Scaffolds Containing Chrysin for Regenerative Endodontic Purposes. <i>Stem Cells International</i> , 2021, 2021, 1-11.	2.5	19
71	Fabrication of a wound dressing mat based on Polyurethane/Polyacrylic acid containing Poloxamer for skin tissue engineering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 633, 127891.	4.7	18
72	Intelligent anticancer drug delivery performances of two poly(<i>N</i> -isopropylacrylamide)-based magnetite nanohydrogels. <i>Drug Development and Industrial Pharmacy</i> , 2018, 44, 1254-1261.	2.0	17

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73	The synergistic impact of quinacrine on cell cycle and anti-invasiveness behaviors of doxorubicin in MDA-MB-231 breast cancer cells. <i>Process Biochemistry</i> , 2019, 81, 175-181.	3.7	17
74	The Effects of Novel Thermal and Nonthermal Technologies on the Properties of Edible Food Packaging. <i>Food Engineering Reviews</i> , 2020, 12, 333-345.	5.9	17
75	Synthesis of novel superdisintegrants for pharmaceutical tableting based on functionalized nanocellulose hydrogels. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 667-675.	7.5	17
76	Synthesis of water-soluble and conducting polyaniline by growing of poly(<i>N</i> -isopropylacrylamide) brushes via atom transfer radical polymerization method. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2299-2308.	2.6	16
77	Engineering of Liposome Structure to Enhance Physicochemical Properties of <i>Spirulina plantensis</i> Protein Hydrolysate: Stability during Spray-Drying. <i>Antioxidants</i> , 2021, 10, 1953.	5.1	15
78	Smart co-delivery of 6-mercaptopurine and methotrexate using disulphide-based PEGylated-nanogels for effective treatment of breast cancer. <i>New Journal of Chemistry</i> , 2019, 43, 12159-12167.	2.8	14
79	Glutathione and pH-responsive chitosan-based nanogel as an efficient nanoplatform for controlled delivery of doxorubicin. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 54, 101315.	3.0	14
80	Glutathione and pH-responsive fluorescent nanogels for cell imaging and targeted methotrexate delivery. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1847-1855.	3.2	14
81	A novel gold nanorods coated by stimuli-responsive ABC triblock copolymer for chemotherapy of solid tumors. <i>European Polymer Journal</i> , 2019, 115, 313-324.	5.4	13
82	Synthesis of a novel polymeric magnetic solid phase extraction adsorbent for selective extraction of amphetamine from urine samples coupled with high performance liquid chromatography. <i>Drug Testing and Analysis</i> , 2018, 10, 832-838.	2.6	12
83	BSA/Chitosan Polyelectrolyte Complex: A Platform for Enhancing the Loading and Cancer Cell-Uptake of Resveratrol. <i>Macromolecular Research</i> , 2018, 26, 808-813.	2.4	12
84	Development of terbium-sensitized fluorescence method for the determination of alendronate in biological samples followed by magnetic solid-phase extraction. <i>Microchemical Journal</i> , 2019, 146, 888-894.	4.5	10
85	Targeted nanostructured lipid carrier containing galangin as a promising adjuvant for improving cytotoxic effects of chemotherapeutic agents. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 2353-2362.	3.0	10
86	Trastuzumab conjugated PEG- Fe_3O_4 @Au nanoparticle as an MRI biocompatible nano-contrast agent. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2023, 72, 759-770.	3.4	10
87	Fabrication and characterization of gold nanospheres-cored pH-sensitive thiol-ended triblock copolymer: A smart drug delivery system for cancer therapy. <i>Polymers for Advanced Technologies</i> , 2019, 30, 1344-1355.	3.2	9
88	Incorporation of Oxidized Pectin to Reinforce Collagen/Konjac Glucomannan Hydrogels Designed for Tissue Engineering Applications. <i>Macromolecular Research</i> , 2021, 29, 289-296.	2.4	9
89	Main Approaches to Enhance Radiosensitization in Cancer Cells by Nanoparticles: A Systematic Review. <i>Advanced Pharmaceutical Bulletin</i> , 2021, 11, 212-223.	1.4	9
90	Synthesis and characterization of actively HER-2 Targeted Fe_3O_4 @Au nanoparticles for molecular radiosensitization of breast cancer. <i>BiolImpacts</i> , 2023, 13, 17-29.	1.5	9

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91	Development of a Novel Antibacterial Hydrogel Scaffold Based on Guar Gum/Poly (methylvinylether-alt-maleic Acid) Containing Cinnamaldehyde-Loaded Chitosan Nanoparticles. <i>Journal of Polymers and the Environment</i> , 2022, 30, 431-442.	5.0	8
92	Development of a novel reinforced film based on gellan gum/cellulose nanofiber/soy protein for skin tissue engineering application. <i>New Journal of Chemistry</i> , 2021, 45, 13814-13821.	2.8	7
93	Zoledronic acid-loaded lipidic nanoparticles enhance apoptosis and attenuate invasiveness by inhibiting epithelial to mesenchymal transition (EMT) in HepG2 cancer cells. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 2429-2439.	3.0	7
94	MTA-Enriched Polymeric Scaffolds Enhanced the Expression of Angiogenic Markers in Human Dental Pulp Stem Cells. <i>Stem Cells International</i> , 2022, 2022, 1-9.	2.5	7
95	Targeted delivery of doxorubicin by Thermo/pH-responsive magnetic nanoparticles in a rat model of breast cancer. <i>Toxicology and Applied Pharmacology</i> , 2022, 446, 116036.	2.8	7
96	An injectable chitosan-based hydrogel reinforced by oxidized nanocrystalline cellulose and mineral trioxide aggregate designed for tooth engineering applications. <i>Cellulose</i> , 2022, 29, 3453-3465.	4.9	6
97	Multifunctional nanocomposite based on lactose@layered double hydroxide-hydroxyapatite as a pH-sensitive system for targeted delivery of doxorubicin to liver cancer cells. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 651, 129723.	4.7	6
98	Mesoporous SiO ₂ /MCM-41/Polymer as a pH-Responsive Drug Delivery System for Cancer Therapy. <i>ChemistrySelect</i> , 2020, 5, 11901-11909.	1.5	5
99	A novel thermo-responsive system based on β -cyclodextrin-nanocomposite for improving the docetaxel activity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 830-840.	3.4	5
100	Sildenafil citrate-loaded targeted nanostructured lipid carrier enhances receptivity potential of endometrial cells via LIF and VEGF upregulation. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 2323-2331.	3.0	4
101	Fabrication of a Novel Fibrous Mat Based on Gliadin/Ethylcellulose Incorporated with Triamcinolone for Treatment of Oral Ulcers. <i>Journal of Polymers and the Environment</i> , 0, 1.	5.0	3
102	Improvement of delivery and anticancer activity of doxorubicin by sildenafil citrate encapsulated with a new redox and pH-responsive nanogel. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2020, 1-10.	3.4	2
103	Recent Advances of Macromolecular Hydrogels for Enzyme Immobilization in the Food Products. <i>Advanced Pharmaceutical Bulletin</i> , 2021, , .	1.4	2
104	Development of Gelatin Thin Film Reinforced by Modified Gellan Gum and Naringenin-Loaded Zein Nanoparticle as a Wound Dressing. <i>Macromolecular Research</i> , 2022, 30, 397-405.	2.4	2
105	Targeted delivery of methotrexate using a new PEGylated magnetic/gold nanoplatfrom covered with pH-responsive shell. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 636-645.	3.4	1
106	Encapsulation of Vitamins Using Nanoliposome: Recent Advances and Perspectives. <i>Advanced Pharmaceutical Bulletin</i> , 2021, , .	1.4	0