Marjan Ghorbani

List of Publications by Citations

100 papers	1,897 citations	27 h-index	37 g-index
111 ext. papers	2,742 ext. citations	5.4 avg, IF	6.2 L-index

#	Paper	IF	Citations
100	Improvement in the stability of betanin by liposomal nanocarriers: Its application in gummy candy as a food model. *Food Chemistry*, **2018**, 256, 156-162	8.5	87
99	A review on the construction of hydrogel scaffolds by various chemically techniques for tissue engineering. *European Polymer Journal*, **2019**, 117, 64-76	5.2	66
98	Development of reinforced chitosan/pectin scaffold by using the cellulose nanocrystals as nanofillers: An injectable hydrogel for tissue engineering. *European Polymer Journal*, **2020**, 130, 109697	5.2	62
97	Aloe vera-loaded nanofibrous scaffold based on Zein/Polycaprolactone/Collagen for wound healing. *International Journal of Biological Macromolecules*, **2020**, 153, 921-930	7.9	61
96	Development of resveratrol loaded chitosan-gellan nanofiber as a novel gastrointestinal delivery system. *International Journal of Biological Macromolecules*, **2019**, 135, 698-705	7.9	55
95	Chemical gelling of hydrogels-based biological macromolecules for tissue engineering: Photo- and enzymatic-crosslinking methods. *International Journal of Biological Macromolecules*, **2019**, 139, 760-772	7.9	55
94	Reinforced ZnONPs/ rosemary essential oil-incorporated zein electrospun nanofibers by κ-carrageenan. *Carbohydrate Polymers*, **2020**, 232, 115800	10.3	54
93	An injectable chitosan-based hydrogel scaffold containing gold nanoparticles for tissue engineering applications. *International Journal of Biological Macromolecules*, **2020**, 154, 198-205	7.9	52
92	Incorporating Cu-based metal-organic framework/drug nanohybrids into gelatin microsphere for ibuprofen oral delivery. *Materials Science and Engineering C*, **2019**, 96, 302-309	8.3	52
91	A novel smart PEGylated gelatin nanoparticle for co-delivery of doxorubicin and betanin: A strategy for enhancing the therapeutic efficacy of chemotherapy. *Materials Science and Engineering C*, **2019**, 97, 833-841	8.3	51
90	Preparation and characterization of TiO2NPs and betanin loaded zein/sodium alginate nanofibers. *Food Packaging and Shelf Life*, **2020**, 24, 100504	8.2	45
89	Redox and pH-responsive gold nanoparticles as a new platform for simultaneous triple anti-cancer drugs targeting. *International Journal of Pharmaceutics*, **2017**, 520, 126-138	6.5	42
88	Whey protein isolate-guar gum stabilized cumin seed oil nanoemulsion. *Food Bioscience*, **2019**, 28, 49-56	4.9	37
87	Targeted hyaluronic acid-based lipid nanoparticle for apigenin delivery to induce Nrf2-dependent apoptosis in lung cancer cells. *Journal of Drug Delivery Science and Technology*, **2019**, 49, 268-276	4.5	37
86	A novel dual-responsive core-crosslinked magnetic-gold nanogel for triggered drug release. *Materials Science and Engineering C*, **2016**, 68, 436-444	8.3	35
85	Curcumin-loaded naturally-based nanofibers as active wound dressing mats: morphology, drug release, cell proliferation, and cell adhesion studies. *New Journal of Chemistry*, **2020**, 44, 10343-10351	3.6	32
84	Development of reinforced aldehyde-modified kappa-carrageenan/gelatin film by incorporation of halloysite nanotubes for biomedical applications. *International Journal of Biological Macromolecules* , **2020**, 160, 669-676	7.9	32

83	Fabrication of food-grade nanofibers of whey protein Isolate□Guar gum using the electrospinning method. *Food Hydrocolloids*, **2019**, 90, 99-104	10.6	32
82	Development of biocompatible fluorescent gelatin nanocarriers for cell imaging and anticancer drug targeting. *Journal of Materials Science*, **2018**, 53, 10679-10691	4.3	31
81	A novel multi stimuli-responsive PEGylated hybrid gold/nanogels for co-delivery of doxorubicin and 6-mercaptopurine. *Materials Science and Engineering C*, **2018**, 92, 599-611	8.3	31
80	Electrospun tetracycline hydrochloride loaded zein/gum tragacanth/poly lactic acid nanofibers for biomedical application. *International Journal of Biological Macromolecules*, **2020**, 165, 1312-1322	7.9	31
79	Preparation of thermo and pH-responsive polymer@Au/Fe3O4 core/shell nanoparticles as a carrier for delivery of anticancer agent. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	30
78	Decoration of gold nanoparticles with thiolated pH-responsive polymeric (PEG-b-p(2-dimethylamio ethyl methacrylate-co-itaconic acid) shell: A novel platform for targeting of anticancer agent. *Materials Science and Engineering C*, **2017**, 81, 561-570	8.3	30
77	Inulinase immobilized gold-magnetic nanoparticles as a magnetically recyclable biocatalyst for facial and efficient inulin biotransformation to high fructose syrup. *International Journal of Biological Macromolecules*, **2019**, 123, 846-855	7.9	30
76	Silver sulfadiazine-loaded electrospun ethyl cellulose/polylactic acid/collagen nanofibrous mats with antibacterial properties for wound healing. *International Journal of Biological Macromolecules*, **2020**, 162, 1555-1565	7.9	28
75	Ternary-responsive magnetic nanocarriers for targeted delivery of thiol-containing anticancer drugs. *New Journal of Chemistry*, **2016**, 40, 3561-3570	3.6	27
74	Fabrication of all-trans-retinoic acid-loaded biocompatible precirol: A strategy for escaping dose-dependent side effects of doxorubicin. *Colloids and Surfaces B: Biointerfaces*, **2017**, 159, 620-628	6	27
73	A Gelatin-Based Film Reinforced by Covalent Interaction with Oxidized Guar Gum Containing Green Tea Extract as an Active Food Packaging System. *Food and Bioprocess Technology*, **2020**, 13, 1633-1644	5.1	27
72	Sensitization of MDA-MBA231 breast cancer cell to docetaxel by myricetin loaded into biocompatible lipid nanoparticles via sub-G1 cell cycle arrest mechanism. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2020**, 393, 1-11	3.4	27
71	Enhancement of therapeutic efficacy of betanin for diabetes treatment by liposomal nanocarriers. *Journal of Functional Foods*, **2019**, 59, 119-128	5.1	26
70	Electrospun chitosan/nanocrystalline cellulose-graft-poly(N-vinylcaprolactam) nanofibers as the reinforced scaffold for tissue engineering. *Journal of Materials Science*, **2020**, 55, 2176-2185	4.3	26
69	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. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2016**, 65, 683-694	3	26
68	Naringenin-loaded nano-structured lipid carrier fortifies oxaliplatin-dependent apoptosis in HT-29 cell line. *Process Biochemistry*, **2019**, 83, 168-175	4.8	25
67	A novel polymeric micelle-decorated Fe3O4/Au core□shell nanoparticle for pH and reduction-responsive intracellular co-delivery of doxorubicin and 6-mercaptopurine. *New Journal of Chemistry*, **2018**, 42, 18038-18049	3.6	24
66	Skin toxicity of topically applied nanoparticles. *Therapeutic Delivery*, **2019**, 10, 383-396	3.8	23

65	Nanovehicles for co-delivery of anticancer agents. *Drug Discovery Today*, **2020**, 25, 1416-1430	8.8	21
64	Novel thermoresponsive star-liked nanomicelles for targeting of anticancer agent. *European Polymer Journal*, **2018**, 107, 143-154	5.2	20
63	Evaluation of Antioxidant Activity and Cytotoxicity of Cumin Seed Oil Nanoemulsion Stabilized by Sodium Caseinate- Guar Gum **2017**, 23, 293-300		20
62	Electrospun Antibacterial and Antioxidant Zein/Polylactic Acid/Hydroxypropyl Methylcellulose Nanofibers as an Active Food Packaging System. *Food and Bioprocess Technology*, **2021**, 14, 1529-1541	5.1	19
61	Pectin modification assisted by nitrogen glow discharge plasma. *International Journal of Biological Macromolecules*, **2018**, 120, 2572-2578	7.9	19
60	Fabrication of curcumin-zein-ethyl cellulose composite nanoparticles using antisolvent co-precipitation method. *International Journal of Biological Macromolecules*, **2020**, 163, 1538-1545	7.9	18
59	A review on the role of lipid-based nanoparticles in medical diagnosis and imaging. *Therapeutic Delivery*, **2018**, 9, 557-569	3.8	17
58	Improvement of the physico-mechanical properties of antibacterial electrospun poly lactic acid nanofibers by incorporation of guar gum and thyme essential oil. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 622, 126659	5.1	17
57	Doxorubicin Imprinted Photoluminescent Polymer as a pH-Responsive Nanocarrier.. *ACS Applied Bio Materials*, **2020**, 3, 4168-4178	4.1	16
56	Injectable chitosan-quince seed gum hydrogels encapsulated with curcumin loaded-halloysite nanotubes designed for tissue engineering application. *International Journal of Biological Macromolecules*, **2021**, 177, 485-494	7.9	16
55	Redox-responsive smart nanogels for intracellular targeting of therapeutic agents: applications and recent advances. *Journal of Drug Targeting*, **2019**, 27, 408-422	5.4	15
54	Synthesis of water-soluble and conducting polyaniline by growing of poly (N-isopropylacrylamide) brushes via atom transfer radical polymerization method. *Journal of Applied Polymer Science*, **2012**, 123, 2299-2308	2.9	15
53	Adjuvant therapy with stattic enriches the anti-proliferative effect of doxorubicin in human ZR-75-1 breast cancer cells via arresting cell cycle and inducing apoptosis. *Biomedicine and Pharmacotherapy* , **2019**, 109, 1240-1248	7.5	15
52	A perfect stimuli-responsive magnetic nanocomposite for intracellular delivery of doxorubicin. *Artificial Cells, Nanomedicine and Biotechnology*, **2018**, 46, S911-S921	6.1	15
51	Intelligent anticancer drug delivery performances of two poly(N-isopropylacrylamide)-based magnetite nanohydrogels. *Drug Development and Industrial Pharmacy*, **2018**, 44, 1254-1261	3.6	14
50	Advanced properties of gelatin film by incorporating modified kappa-carrageenan and zein nanoparticles for active food packaging. *International Journal of Biological Macromolecules*, **2021**, 183, 753-759	7.9	14
49	The synergistic impact of quinacrine on cell cycle and anti-invasiveness behaviors of doxorubicin in MDA-MB-231 breast cancer cells. *Process Biochemistry*, **2019**, 81, 175-181	4.8	13
48	Green one-pot synthesis of multicomponent-crosslinked carboxymethyl cellulose as a safe carrier for the gentamicin oral delivery. *International Journal of Biological Macromolecules*, **2020**, 164, 2873-2880	7.9	13

47	Chitosan-based nanomicelle as a novel platform for targeted delivery of methotrexate. *International Journal of Biological Macromolecules*, **2019**, 126, 517-524	7.9	13
46	Construction of collagen/nanocrystalline cellulose based-hydrogel scaffolds: synthesis, characterization, and mechanical properties evaluation. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2021**, 70, 142-148	3	13
45	Fabrication of honey-loaded ethylcellulose/gum tragacanth nanofibers as an effective antibacterial wound dressing. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2021**, 621, 126615	5.1	12
44	Reinforcement of hydrogel scaffold using oxidized-guar gum incorporated with curcumin-loaded zein nanoparticles to improve biological performance. *International Journal of Biological Macromolecules*, **2021**, 167, 59-65	7.9	12
43	A novel gold nanorods coated by stimuli-responsive ABC triblock copolymer for chemotherapy of solid tumors. *European Polymer Journal*, **2019**, 115, 313-324	5.2	11
42	Fabrication and characterization of novel antibacterial chitosan/dialdehyde guar gum hydrogels containing pomegranate peel extract for active food packaging application. *International Journal of Biological Macromolecules*, **2021**, 187, 179-188	7.9	11
41	The Effects of Novel Thermal and Nonthermal Technologies on the Properties of Edible Food Packaging. *Food Engineering Reviews*, **2020**, 12, 333-345	6.5	10
40	Physicochemical and antibacterial effect of Soy Protein Isolate/Gelatin electrospun nanofibres incorporated with Zataria multiflora and Cinnamon zeylanicum essential oils. *Journal of Food Measurement and Characterization*, **2021**, 15, 1116-1126	2.8	10
39	Glutathione and pH-responsive fluorescent nanogels for cell imaging and targeted methotrexate delivery. *Polymers for Advanced Technologies*, **2019**, 30, 1847-1855	3.2	9
38	Synthesis of a novel polymeric magnetic solid phase extraction adsorbent for selective extraction of amphetamine from urine samples coupled with high performance liquid chromatography. *Drug Testing and Analysis*, **2018**, 10, 832-838	3.5	9
37	Glutathione and pH-responsive chitosan-based nanogel as an efficient nanoplatform for controlled delivery of doxorubicin. *Journal of Drug Delivery Science and Technology*, **2019**, 54, 101315	4.5	8
36	A novel multifunctional bilayer scaffold based on chitosan nanofiber/alginate-gelatin methacrylate hydrogel for full-thickness wound healing. *International Journal of Biological Macromolecules*, **2021**, 193, 734-747	7.9	8
35	Fabrication and characterization of gold nanospheres-cored pH-sensitive thiol-ended triblock copolymer: A smart drug delivery system for cancer therapy. *Polymers for Advanced Technologies*, **2019**, 30, 1344-1355	3.2	7
34	Smart co-delivery of 6-mercaptopurine and methotrexate using disulphide-based PEGylated-nanogels for effective treatment of breast cancer. *New Journal of Chemistry*, **2019**, 43, 12159-12167	3.6	7
33	Synthesis of novel superdisintegrants for pharmaceutical tableting based on functionalized nanocellulose hydrogels. *International Journal of Biological Macromolecules*, **2021**, 167, 667-675	7.9	7
32	BSA/Chitosan Polyelectrolyte Complex: A Platform for Enhancing the Loading and Cancer Cell-Uptake of Resveratrol. *Macromolecular Research*, **2018**, 26, 808-813	1.9	7
31	Quinoa bioactive protein hydrolysate produced by pancreatin enzyme- functional and antioxidant properties. *LWT - Food Science and Technology*, **2021**, 150, 111853	5.4	7
30	Development of a Novel Antimicrobial Electrospun Nanofiber Based on Polylactic Acid/Hydroxypropyl Methylcellulose Containing Pomegranate Peel Extract for Active Food Packaging. *Food and Bioprocess Technology*, **2021**, 14, 2260	5.1	6

29	Electrospun nanofiber based on Ethyl cellulose/Soy protein isolated integrated with bitter orange peel extract for antimicrobial and antioxidant active food packaging. *International Journal of Biological Macromolecules*, **2021**, 193, 1313-1313	7.9	6
28	Development of terbium-sensitized fluorescence method for the determination of alendronate in biological samples followed by magnetic solid-phase extraction. *Microchemical Journal*, **2019**, 146, 888-894	4.8	6
27	The Antimicrobial, Antioxidative, and Anti-Inflammatory Effects of Polycaprolactone/Gelatin Scaffolds Containing Chrysin for Regenerative Endodontic Purposes. *Stem Cells International*, **2021**, 2021, 3828777	5	6
26	Electrospun ethyl cellulose/poly caprolactone/gelatin nanofibers: The investigation of mechanical, antioxidant, and antifungal properties for food packaging. *International Journal of Biological Macromolecules*, **2021**, 191, 457-464	7.9	6
25	Recent advances in honey-based hydrogels for wound healing applications: Towards natural therapeutics. *Journal of Drug Delivery Science and Technology*, **2021**, 66, 102789	4.5	6
24	A Novel Aloe Vera-Loaded Ethylcellulose/Hydroxypropyl Methylcellulose Nanofibrous Mat Designed for Wound Healing Application. *Journal of Polymers and the Environment*,1	4.5	5
23	In-vitro characterization and cytotoxicity study of flutamide loaded cyclodextrin nanosponges. *Journal of Drug Delivery Science and Technology*, **2021**, 61, 102275	4.5	5
22	A novel thermo-responsive system based on □-cyclodextrin-nanocomposite for improving the docetaxel activity. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2021**, 70, 830-840	3	4
21	Development of a novel reinforced scaffold based on chitosan/cellulose nanocrystals/halloysite nanotubes for curcumin delivery.. *Carbohydrate Polymers*, **2022**, 282, 119127	10.3	3
20	Fabrication of a wound dressing mat based on Polyurethane/Polyacrylic acid containing Poloxamer for skin tissue engineering. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 633, 127891	5.1	3
19	Incorporation of Oxidized Pectin to Reinforce Collagen/Konjac Glucomannan Hydrogels Designed for Tissue Engineering Applications. *Macromolecular Research*, **2021**, 29, 289-296	1.9	3
18	Designing magnetic field sensor based on tapered photonic crystal fibre assisted by a ferrofluid. *Scientific Reports*, **2021**, 11, 14325	4.9	3
17	Improvement of delivery and anticancer activity of doxorubicin by sildenafil citrate encapsulated with a new redox and pH-responsive nanogel. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2020**, 1-10	3	2
16	Development of a Novel Antibacterial Hydrogel Scaffold Based on Guar Gum/Poly (methylvinylether-alt-maleic Acid) Containing Cinnamaldehyde-Loaded Chitosan Nanoparticles. *Journal of Polymers and the Environment*,1	4.5	2
15	Development of a novel reinforced film based on gellan gum/cellulose nanofiber/soy protein for skin tissue engineering application. *New Journal of Chemistry*, **2021**, 45, 13814-13821	3.6	2
14	Zoledronic acid-loaded lipidic nanoparticles enhance apoptosis and attenuate invasiveness by inhibiting epithelial to mesenchymal transition (EMT) in HepG cancer cells. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2021**, 394, 2429-2439	3.4	2
13	Targeted nanostructured lipid carrier containing galangin as a promising adjuvant for improving cytotoxic effects of chemotherapeutic agents. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2021**, 394, 2353-2362	3.4	2
12	Fabrication of a Novel Fibrous Mat Based on Gliadin/Ethylcellulose Incorporated with Triamcinolone for Treatment of Oral Ulcers. *Journal of Polymers and the Environment*,1	4.5	1

11	Main Approaches to Enhance Radiosensitization in Cancer Cells by Nanoparticles: A Systematic Review. *Advanced Pharmaceutical Bulletin*, **2021**, 11, 212-223	4.5	1
10	Mesoporous Si-MCM-41/Polymer as a pH-Responsive Drug Delivery System for Cancer Therapy. *ChemistrySelect*, **2020**, 5, 11901-11909	1.8	1
9	Sildenafil citrate-loaded targeted nanostructured lipid carrier enhances receptivity potential of endometrial cells via LIF and VEGF upregulation. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2021**, 394, 2323-2331	3.4	1
8	MTA-Enriched Polymeric Scaffolds Enhanced the Expression of Angiogenic Markers in Human Dental Pulp Stem Cells.. *Stem Cells International*, **2022**, 2022, 7583489	5	1
7	Development of Antimicrobial Active Food Packaging Film Based on Gelatin/Dialdehyde Quince Seed Gum Incorporated with Apple Peel Polyphenols. *Food and Bioprocess Technology*, **2022**, 15, 693-705	5.1	1
6	An injectable chitosan-based hydrogel reinforced by oxidized nanocrystalline cellulose and mineral trioxide aggregate designed for tooth engineering applications. *Cellulose*, **2022**, 29, 3453	5.5	1
5	Targeted delivery of doxorubicin by Thermo/pH-responsive magnetic nanoparticles in a rat model of breast cancer.. *Toxicology and Applied Pharmacology*, **2022**, 446, 116036	4.6	1
4	Targeted delivery of methotrexate using a new PEGylated magnetic/gold nanoplatform covered with pH-responsive shell. *International Journal of Polymeric Materials and Polymeric Biomaterials*, **2021**, 70, 636-645	3	0
3	Trastuzumab conjugated PEG Fe3O4@Au nanoparticle as an MRI biocompatible nano-contrast agent. *International Journal of Polymeric Materials and Polymeric Biomaterials*,1-12	3	0
2	Development of Gelatin Thin Film Reinforced by Modified Gellan Gum and Naringenin-Loaded Zein Nanoparticle as a Wound Dressing. *Macromolecular Research*,1	1.9	0
1	ZIF-8 enriched electrospun ethyl cellulose/polyvinylpyrrolidone scaffolds: The key role of polyvinylpyrrolidone molecular weight. *Carbohydrate Polymers*, **2022**, 119620	10.3	0