Ali Dehshahri

List of Publications by Year
in descending order

55 papers	2,153 citations	236925 25 h-index	233421 45 g-index
56 all docs	56 docs citations	56 times ranked	3074 citing authors

#	Article	IF	Citations
1	Simple Modifications of Branched PEI Lead to Highly Efficient siRNA Carriers with Low Toxicity. Bioconjugate Chemistry, 2008, 19, 1448-1455.	3.6	411
2	In vivo gene delivery mediated by non-viral vectors for cancer therapy. Journal of Controlled Release, 2020, 325, 249-275.	9.9	156
3	Gene transfer efficiency of high primary amine content, hydrophobic, alkyl-oligoamine derivatives of polyethylenimine. Biomaterials, 2009, 30, 4187-4194.	11.4	106
4	Shedding light on gene therapy: Carbon dots for the minimally invasive image-guided delivery of plasmids and noncoding RNAs - A review. Journal of Advanced Research, 2019, 18, 81-93.	9.5	102
5	Structural vaccinology considerations for in silico designing of a multi-epitope vaccine. Infection, Genetics and Evolution, 2018, 58, 96-109.	2.3	88
6	Alkylcarboxylate grafting to polyethylenimine: a simple approach to producing a DNA nanocarrier with low toxicity. Journal of Gene Medicine, 2009, 11, 921-932.	2.8	85
7	Vaccinomics approach for developing multi-epitope peptide pneumococcal vaccine. Journal of Biomolecular Structure and Dynamics, 2019, 37, 3524-3535.	3.5	84
8	The influence of size, lipid composition and bilayer fluidity of cationic liposomes on the transfection efficiency of nanolipoplexes. Colloids and Surfaces B: Biointerfaces, 2009, 72, 1-5.	5.0	66
9	A focused review on technologies, mechanisms, safety, and efficacy of available COVID-19 vaccines. International Immunopharmacology, 2021, 100, 108162.	3.8	65
10	The impact of carboxyalkylation of branched polyethylenimine on effectiveness in small interfering RNA delivery. Journal of Gene Medicine, 2010, 12, 729-738.	2.8	63
11	A novel HPV prophylactic peptide vaccine, designed by immunoinformatics and structural vaccinology approaches. Infection, Genetics and Evolution, 2017, 54, 402-416.	2.3	54
12	Preparation, characterization, and transfection efficiency of low molecular weight polyethylenimine-based nanoparticles for delivery of the plasmid encoding CD200 gene. International Journal of Nanomedicine, 2017, Volume 12, 5557-5569.	6.7	51
13	Plant virus nanoparticles: Novel and robust nanocarriers for drug delivery and imaging. Colloids and Surfaces B: Biointerfaces, 2018, 167, 20-27.	5.0	51
14	Topoisomerase inhibitors: Pharmacology and emerging nanoscale delivery systems. Pharmacological Research, 2020, 151, 104551.	7.1	47
15	The effect of cationic charge density change on transfection efficiency of polyethylenimine. Iranian Journal of Basic Medical Sciences, 2013, 16, 150-6.	1.0	47
16	Surface decorations of poly(amidoamine) dendrimer by various pendant moieties for improved delivery of nucleic acid materials. Colloids and Surfaces B: Biointerfaces, 2015, 132, 85-102.	5.0	43
17	Physicochemical and biological characteristics of the nanostructured polysaccharide-iron hydrogel produced by microorganismKlebsiella oxytoca. Journal of Basic Microbiology, 2017, 57, 132-140.	3.3	39
18	Chitosan: A versatile bio-platform for breast cancer theranostics. Journal of Controlled Release, 2022, 341, 733-752.	9.9	38

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19	Double domain polyethylenimine-based nanoparticles for integrin receptor mediated delivery of plasmid DNA. Scientific Reports, 2018, 8, 6842.	3.3	37
20	Dexamethasone: Insights into Pharmacological Aspects, Therapeutic Mechanisms, and Delivery Systems. ACS Biomaterials Science and Engineering, 2022, 8, 1763-1790.	5.2	37
21	Enhanced anti-tumor efficacy and reduced cardiotoxicity of doxorubicin delivered in a novel plant virus nanoparticle. Colloids and Surfaces B: Biointerfaces, 2019, 174, 80-86.	5.0	34
22	Comparison of the effectiveness of polyethylenimine, polyamidoamine and chitosan in transferring plasmid encoding interleukin-12 gene into hepatocytes. Macromolecular Research, 2013, 21, 1322-1330.	2.4	33
23	Delivery of plasmid encoding interleukin-12 gene into hepatocytes by conjugated polyethylenimine-based nanoparticles. Artificial Cells, Nanomedicine and Biotechnology, 2017, 45, 1036-1044.	2.8	30
24	Tetraiodothyroacetic acid-conjugated polyethylenimine for integrin receptor mediated delivery of the plasmid encoding IL-12 gene. Colloids and Surfaces B: Biointerfaces, 2017, 150, 426-436.	5.0	29
25	Computational design of a chimeric epitope-based vaccine to protect against Staphylococcus aureus infections. Molecular and Cellular Probes, 2019, 46, 101414.	2.1	28
26	Conjugation of poly(amidoamine) dendrimers with various acrylates for improved delivery of plasmid encoding interleukin-12 gene. Journal of Biomaterials Applications, 2015, 29, 941-953.	2.4	27
27	β-Galactosylated Alkyl-oligoamine Derivatives of Polyethylenimine Enhanced pDNA Delivery into Hepatic Cells with Reduced Toxicity. Current Nanoscience, 2012, 8, 548-555.	1.2	26
28	Interleukin-12 plasmid DNA delivery using l-thyroxine-conjugated polyethylenimine nanocarriers. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	25
29	Green Synthesis of Selenium Nanoparticles by Cyanobacterium Spirulina platensis (abdf2224): Cultivation Condition Quality Controls. BioMed Research International, 2021, 2021, 1-11.	1.9	25
30	Electrospun nanocarriers for delivering natural products for cancer therapy. Trends in Food Science and Technology, 2021, 118, 887-904.	15.1	23
31	New Horizons in Hydrogels for Methotrexate Delivery. Gels, 2021, 7, 2.	4.5	20
32	Bioconversion of Hydrocortisone by Cyanobacterium Fischerella ambigua PTCC 1635. World Journal of Microbiology and Biotechnology, 2005, 21, 811-814.	3.6	17
33	Photodynamic therapy for leishmaniasis: Recent advances and future trends. Photodiagnosis and Photodynamic Therapy, 2021, 36, 102609.	2.6	16
34	Na+/K+ ATPase-targeted delivery to metastatic breast cancer models. European Journal of Pharmaceutical Sciences, 2020, 143, 105207.	4.0	15
35	Graphene as a promising multifunctional nanoplatform for glioblastoma theranostic applications. FlatChem, 2020, 22, 100173.	5.6	15
36	Synthesis of novel naphtho[1,2-e][1,3]oxazines bearing an arylsulfonamide moiety and their anticancer and antifungal activity evaluations. Arabian Journal of Chemistry, 2020, 13, 1271-1282.	4.9	14

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37	Magnetic Immobilization of Pichia pastoris Cells for the Production of Recombinant Human Serum Albumin. Nanomaterials, 2020, 10, 111.	4.1	12
38	Targeted double domain nanoplex based on galactosylated polyethylenimine enhanced the delivery of <scp>IL</scp>â€12 plasmid. Biotechnology Progress, 2020, 36, e3002.	2.6	12
39	Medium Optimization for Recombinant Soluble Arginine Deiminase Expression in Escherichia coli Using Response Surface Methodology. Current Pharmaceutical Biotechnology, 2018, 18, 935-941.	1.6	12
40	Production and Preliminary In Vivo Evaluations of a Novel in silico-designed L2-based Potential HPV Vaccine. Current Pharmaceutical Biotechnology, 2020, 21, 316-324.	1.6	10
41	Enhanced Delivery of Plasmid Encoding Interleukin-12 Gene by Diethylene Triamine Penta-Acetic Acid (DTPA)-Conjugated PEI Nanoparticles. Applied Biochemistry and Biotechnology, 2016, 179, 251-269.	2.9	9
42	Preparation of carbon dot as a potential CRISPR/Cas9 plasmid delivery system for lung cancer cells. Minerva Biotecnologica, 2020, 32, .	1.2	8
43	Impacts of Magnetic Immobilization on the Growth and Metabolic Status of Recombinant Pichia pastoris. Molecular Biotechnology, 2022, 64, 320-329.	2.4	7
44	Editing SOX Genes by CRISPR-Cas: Current Insights and Future Perspectives. International Journal of Molecular Sciences, 2021, 22, 11321.	4.1	6
45	Biomarkers of IL-33 and sST2 and Lack of Association with Carvedilol Therapy in Heart Failure . Clinical Pharmacology: Advances and Applications, 2020, Volume 12, 53-58.	1.2	5
46	Impacts of Magnetic Immobilization on the Recombinant Proteins Structure Produced in Pichia pastoris System. Molecular Biotechnology, 2021, 63, 80-89.	2.4	5
47	The Synergistic Effects of Celecoxib and Sodium Valproate on Apoptosis and Invasiveness Behavior of Papillary Thyroid Cancer Cell Line. Iranian Journal of Pharmaceutical Research, 2018, 17, 1008-1017.	0.5	5
48	Synthesis and cytotoxicity evaluation of gemcitabine-tobacco mosaic virus conjugates. Journal of Drug Delivery Science and Technology, 2021, 62, 102388.	3.0	3
49	Interleukin-12 Plasmid DNA Delivery by N-[(2-Hydroxy-3-trimethylammonium)propyl]chitosan-Based Nanoparticles. Polymers, 2022, 14, 2176.	4.5	3
50	Production and immunological evaluation of epitope-based preventative pneumococcal candidate vaccine comprising immunodominant epitopes from PspA, CbpA, PhtD and PiuA antigens. Current Pharmaceutical Biotechnology, 2020, 22, 1900-1909.	1.6	2
51	The students' intentions and satisfaction with the field of study and university. Journal of Advances in Medical Education and Professionalism, 2014, 2, 176-82.	0.2	2
52	Synthesis and cytotoxicity evaluation of doxorubicin-polyethyleneimine conjugate as a potential carrier for dual delivery of drug and gene. Journal of Drug Delivery Science and Technology, 2022, 68, 102994.	3.0	2
53	FLOT (a chemotherapy regimen for gastric/esophagogastric junction cancer): to be treated as a highly emetogenic regimen or a moderately emetogenic one? Comparison of the emetogenic potential of FLOT versus FOLFOX and TAC regimens. Supportive Care in Cancer, 2022, 30, 3865-3873.	2.2	2
54	Overexpression of Adiponectin Receptors in Opium Users with and without Cancer . Clinical Pharmacology: Advances and Applications, 2020, Volume 12, 59-65.	1.2	1

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55	Professionalism ethics in pharmacy education: Do students have acceptable knowledge or it is a white paper in pharmacy education curriculum?. Journal of Advances in Medical Education and Professionalism, 2018, 6, 190-191.	0.2	0