Reza Kazemi Oskuee

List of Publications by Year
in descending order

89 papers	3,007 citations	136950 32 h-index	175258 52 g-index
90 all docs	90 docs citations	90 times ranked	3945 citing authors

#	Article	IF	Citations
1	Exosome-mediated delivery of functionally active miRNA-142-3p inhibitor reduces tumorigenicity of breast cancer in vitro and in vivo. International Journal of Nanomedicine, 2018, Volume 13, 7727-7747.	6.7	181
2	Progress in the development of lipopolyplexes as efficient non-viral gene delivery systems. Journal of Controlled Release, 2016, 236, 1-14.	9.9	164
3	Solâ€“gel synthesis, characterization, and neurotoxicity effect of zinc oxide nanoparticles using gum tragacanth. Ceramics International, 2013, 39, 9195-9199.	4.8	129
4	Green chemistry approach for the synthesis of ZnO nanopowders and their cytotoxic effects. Ceramics International, 2014, 40, 4827-4831.	4.8	127
5	Food-directed synthesis of cerium oxide nanoparticles and their neurotoxicity effects. Ceramics International, 2014, 40, 7425-7430.	4.8	120
6	The effect of nano-curcumin on HbA1c, fasting blood glucose, and lipid profile in diabetic subjects: a randomized clinical trial. Avicenna Journal of Phytomedicine, 2016, 6, 567-577.	0.2	99
7	Green synthesis and evaluation of metabolic activity of starch mediated nanoceria. Ceramics International, 2014, 40, 2041-2045.	4.8	92
8	Preparation of cerium oxide nanoparticles in Salvia Macrosiphon Boiss seeds extract and investigation of their photo-catalytic activities. Ceramics International, 2019, 45, 4790-4797.	4.8	86
9	Plant-based synthesis of NiO nanoparticles using salvia macrosiphon Boiss extract and examination of their water treatment. Rare Metals, 2020, 39, 1134-1144.	7.1	83
10	Evaluation of anticancer effects of cerium oxide nanoparticles on mouse fibrosarcoma cell line. Journal of Cellular Physiology, 2019, 234, 4987-4996.	4.1	82
11	Facile synthesis, characterization, and evaluation of neurotoxicity effect of cerium oxide nanoparticles. Ceramics International, 2013, 39, 6917-6921.	4.8	80
12	Nanoceria: Gum mediated synthesis and in vitro viability assay. Ceramics International, 2014, 40, 2863-2868.	4.8	80
13	Aptamer-targeted delivery of Bcl-xL shRNA using alkyl modified PAMAM dendrimers into lung cancer cells. International Journal of Biochemistry and Cell Biology, 2017, 92, 210-217.	2.8	78
14	Eco-friendly and plant-based synthesis of silver nanoparticles using Allium giganteum and investigation of its bactericidal, cytotoxicity, and photocatalytic effects. Materials Technology, 2019, 34, 490-497.	3.0	69
15	Novel delivery system for natural products: Nano-curcumin formulations. Avicenna Journal of Phytomedicine, 2016, 6, 383-98.	0.2	66
16	Nanoliposomes as the adjuvant delivery systems in cancer immunotherapy. Journal of Cellular Physiology, 2018, 233, 5189-5199.	4.1	65
17	Superparamagnetic iron oxide nanoparticles (SPIONs): Green preparation, characterization and their cytotoxicity effects. Ceramics International, 2014, 40, 14641-14645.	4.8	64
18	MPL nano-liposomal vaccine containing P5 HER2/neu-derived peptide pulsed PADRE as an effective vaccine in a mice TUBO model of breast cancer. Journal of Controlled Release, 2019, 303, 223-236.	9.9	58

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19	Delivery of LNA-antimiR-142-3p by Mesenchymal Stem Cells-Derived Exosomes to Breast Cancer Stem Cells Reduces Tumorigenicity. Stem Cell Reviews and Reports, 2020, 16, 541-556.	3.8	58
20	Development of biosensors for detection of alpha-fetoprotein: As a major biomarker for hepatocellular carcinoma. TrAC - Trends in Analytical Chemistry, 2020, 130, 115961.	11.4	50
21	Cytotoxic activity of greener synthesis of cerium oxide nanoparticles using carrageenan towards a WEHI 164 cancer cell line. Ceramics International, 2018, 44, 19570-19575.	4.8	47
22	MicroRNAs as important regulators of the NLRP3 inflammasome. Progress in Biophysics and Molecular Biology, 2020, 150, 50-61.	2.9	46
23	Preparation of superparamagnetic iron oxide/doxorubicin loaded chitosan nanoparticles as a promising glioblastoma theranostic tool. Journal of Cellular Physiology, 2019, 234, 1547-1559.	4.1	43
24	Cellular delivery of shRNA using aptamer-conjugated PLL-alkyl-PEI nanoparticles. Colloids and Surfaces B: Biointerfaces, 2015, 136, 355-364.	5.0	41
25	Green synthesis of labeled CeO2 nanoparticles with 99mTc and its biodistribution evaluation in mice. Life Sciences, 2018, 212, 233-240.	4.3	40
26	Biosensors based on aptamerâ€conjugated gold nanoparticles: A review. Biotechnology and Applied Biochemistry, 2022, 69, 1517-1534.	3.1	39
27	Green facile synthesis of low-toxic superparamagnetic iron oxide nanoparticles (SPIONs) and their cytotoxicity effects toward Neuro2A and HUVEC cell lines. Ceramics International, 2018, 44, 9263-9268.	4.8	38
28	Plant-based synthesis of silver nanoparticles in Handelia trichophylla and their biological activities. Bulletin of Materials Science, 2019, 42, 1.	1.7	36
29	Enhanced gene delivery by polyethyleneimine coated mesoporous silica nanoparticles. Pharmaceutical Development and Technology, 2019, 24, 127-132.	2.4	36
30	PAMAM-pullulan conjugates as targeted gene carriers for liver cell. Carbohydrate Polymers, 2017, 157, 929-937.	10.2	35
31	Honey-based synthesis of ZnO nanopowders and their cytotoxicity effects. Advanced Powder Technology, 2015, 26, 991-996.	4.1	33
32	Synthesis of efficient gene delivery systems by grafting pegylated alkylcarboxylate chains to PAMAM dendrimers: Evaluation of transfection efficiency and cytotoxicity in cancerous and mesenchymal stem cells. Journal of Biomaterials Applications, 2015, 30, 632-648.	2.4	29
33	One-pot hydrothermal synthesis of carbon quantum dots from Salvia hispanica L. seeds and investigation of their biodistribution, and cytotoxicity effects. Journal of Environmental Chemical Engineering, 2021, 9, 105461.	6.7	28
34	Role of oxygen vacancies on photo-catalytic activities of green synthesized ceria nanoparticles in Cydonia oblonga miller seeds extract and evaluation of its cytotoxicity effects. Journal of Alloys and Compounds, 2020, 816, 152553.	5.5	27
35	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
36	Investigating the influence of polyplex size on toxicity properties of polyethylenimine mediated gene delivery. Life Sciences, 2018, 197, 101-108.	4.3	26

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37	Interleukin-12 plasmid DNA delivery using l-thyroxine-conjugated polyethylenimine nanocarriers. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	25
38	Cerium oxide nanoparticles: A promising tool for the treatment of fibrosarcoma in-vivo. Materials Science and Engineering C, 2020, 109, 110533.	7.3	24
39	Bio-based synthesis of Nano-Ceria and evaluation of its bio-distribution and biological properties. Colloids and Surfaces B: Biointerfaces, 2019, 181, 830-836.	5.0	23
40	Evaluation of genotoxicity and cytotoxicity induced by different molecular weights of polyethylenimine/DNA nanoparticles. Turkish Journal of Biology, 2014, 38, 380-387.	0.8	22
41	Photocatalytic and Biological Attributes of Green Synthesized Nickel Oxide Nanoparticles by Rheum Turkestanicum (RT) Root Extract. ChemistrySelect, 2019, 4, 2416-2420.	1.5	22
42	Cytotoxicity and photocatalytic applications of biosynthesized ZnO nanoparticles by Rheum turketanicum rhizome extract. Materials Research Express, 2019, 6, 125016.	1.6	20
43	Biosensors, microfluidics systems and lateral flow assays for circulating microRNA detection: A review. Analytical Biochemistry, 2021, 633, 114406.	2.4	19
44	Self-assembly of an aptamer-decorated chimeric peptide nanocarrier for targeted cancer gene delivery. Colloids and Surfaces B: Biointerfaces, 2021, 208, 112047.	5.0	18
45	Cationic Liposomes Modified with Polyallylamine as a Gene Carrier: Preparation, Characterization and Transfection Efficiency Evaluation. Advanced Pharmaceutical Bulletin, 2016, 6, 515-520.	1.4	18
46	Preparation, characterization, transfection efficiency, and cytotoxicity of liposomes containing oligoamine-modified cholesterols as nanocarriers to Neuro2A cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2009, 5, 457-462.	3.3	17
47	Ellagic acid as a potent anticancer drug: A comprehensive review on in vitro, in vivo, in silico, and drug delivery studies. Biotechnology and Applied Biochemistry, 2022, 69, 2323-2356.	3.1	17
48	Coaxial <scp>3D</scp> bioprinting of triâ€polymer scaffolds to improve the osteogenic and vasculogenic potential of cells in coâ€culture models. Journal of Biomedical Materials Research - Part A, 2022, 110, 1077-1089.	4.0	17
49	Gene delivery to neuroblastoma cells by poly (l-lysine)-grafted low molecular weight polyethylenimine copolymers. Biologicals, 2016, 44, 212-218.	1.4	16
50	Polyethylenimine-associated cerium oxide nanoparticles: A novel promising gene delivery vector. Life Sciences, 2019, 232, 116661.	4.3	16
51	Biological Properties, Current Applications and Potential Therapeautic Applications of Brevinin Peptide Superfamily. International Journal of Peptide Research and Therapeutics, 2019, 25, 39-48.	1.9	15
52	Evaluation and comparison of cytotoxicity, genotoxicity, and apoptotic effects of poly-l-lysine/plasmid DNA micro- and nanoparticles. Human and Experimental Toxicology, 2019, 38, 983-991.	2.2	15
53	A simple approach for producing highly efficient DNA carriers with reduced toxicity based on modified polyallylamine. Materials Science and Engineering C, 2015, 49, 290-296.	7.3	14
54	Evaluating polyethyleneimine/DNA nanoparticles-mediated damage to cellular organelles using endoplasmic reticulum stress profile. Artificial Cells, Nanomedicine and Biotechnology, 2018, 46, 192-199.	2.8	14

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55	Potential SARS-CoV-2 vaccines: Concept, progress, and challenges. International Immunopharmacology, 2021, 97, 107622.	3.8	14
56	The effect of cell penetrating peptides on transfection activity and cytotoxicity of polyallylamine. BioImpacts, 2017, 7, 139-145.	1.5	13
57	Application of a transition metal oxide/carbon-based nanocomposite for designing a molecularly imprinted poly (l-cysteine) electrochemical sensor for curcumin. Food Chemistry, 2022, 386, 132845.	8.2	12
58	Viral vector mimicking and nucleus targeted nanoparticles based on dexamethasone polyethylenimine nanoliposomes: Preparation and evaluation of transfection efficiency. Colloids and Surfaces B: Biointerfaces, 2018, 165, 252-261.	5.0	11
59	Attachment of a Frog Skin-Derived Peptide to Functionalized Cerium Oxide Nanoparticles. International Journal of Peptide Research and Therapeutics, 2016, 22, 505-510.	1.9	10
60	Preparation and in-vitro Transfection Efficiency Evaluation of Modified Cationic Liposome-polyethyleneimine-plasmid Nanocomplexes as a Novel Gene Carrier. Current Drug Delivery, 2014, 11, 636-642.	1.6	10
61	Dexamethasone conjugated polyallylamine: Synthesis, characterization, and inÂvitro transfection and cytotoxicity. Journal of Drug Delivery Science and Technology, 2017, 40, 172-179.	3.0	9
62	Role of polyethyleneimine (PEI) in synthesis of zinc oxide nanoparticles and their cytotoxicity effects. Ceramics International, 2015, 41, 10222-10226.	4.8	8
63	Hyperbranchedâ€“dendrimer architectural copolymer gene delivery using hyperbranched PEI conjugated to poly(propyleneimine) dendrimers: synthesis, characterization, and evaluation of transfection efficiency. Journal of Nanoparticle Research, 2017, 19, 1.	1.9	8
64	Recent Advances in Lung Cancer Therapy Based on Nanomaterials: A Review. Current Medicinal Chemistry, 2023, 30, 335-355.	2.4	8
65	A Review on Application of Novel Solid Nanostructures in Drug Delivery. Journal of Nano Research, 0, 53, 22-36.	0.8	7
66	Charge reduction: an efficient strategy to reduce toxicity and increase the transfection efficiency of high molecular weight polyethylenimine. Journal of Pharmaceutical Investigation, 2019, 49, 105-114.	5.3	7
67	In silico and experimental validation of a new modified arginine-rich cell penetrating peptide for plasmid DNA delivery. International Journal of Pharmaceutics, 2022, 624, 122005.	5.2	7
68	Cholesterol improves the transfection efficiency of polyallylamine as a non-viral gene delivery vector. Brazilian Journal of Pharmaceutical Sciences, 2017, 53, .	1.2	6
69	Synthesis, characterization and evaluation of transfection efficiency of dexamethasone conjugated poly(propyleneimine) nanocarriers for gene delivery#. Pharmaceutical Biology, 2018, 56, 519-527.	2.9	6
70	Sequential or multiplex electrochemical detection of miRs based on the p19 function relative to three sandwiches of different structural hybrids on the liposomal sensor. Materials Science and Engineering C, 2018, 92, 703-711.	7.3	6
71	Antimicrobial Peptides, a Pool for Novel Cell Penetrating Peptides Development and Vice Versa. International Journal of Peptide Research and Therapeutics, 2021, 27, 1205-1220.	1.9	6
72	Preparation and Characterization of Platelet Lysate (Pl)-Loaded Electrospun Nanofibers for Epidermal Wound Healing. Journal of Pharmaceutical Sciences, 2022, 111, 2531-2539.	3.3	6

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73	Phylogenetic Analysis of Selected Menthol-Producing Species Belonging to the Lamiaceae Family. Nucleosides, Nucleotides and Nucleic Acids, 2015, 34, 650-657.	1.1	5
74	Honey-Based and Ultrasonic-Assisted Synthesis of Silver Nanoparticles and Their Antibacterial Activities. Journal of Nanoscience and Nanotechnology, 2016, 16, 7989-7993.	0.9	4
75	Characterization and Evaluation of Cell-Penetrating Activity of Brevinin-2R: An Amphibian Skin Antimicrobial Peptide. Molecular Biotechnology, 2022, 64, 546-559.	2.4	4
76	Green synthesis of calcium oxide nanoparticles in Linum usitatissimum extract and investigation of their photocatalytic and cytotoxicity effects. Biomass Conversion and Biorefinery, 2024, 14, 5125-5134.	4.6	4
77	BR2 cell penetrating peptide improved the transfection efficiency of modified polyethyleneimine. Journal of Drug Delivery Science and Technology, 2019, 53, 101154.	3.0	3
78	CRISPR/Cas9 mediated GFPâ€human dentin matrix protein 1 (DMP1) promoter knockâ€in at the ROSA26 locus in mesenchymal stem cell for monitoring osteoblast differentiation. Journal of Gene Medicine, 2020, 22, e3288.	2.8	3
79	Genetic modification of cystic fibrosis with Î”F508 mutation of CFTR gene using the CRISPR system in peripheral blood mononuclear cells. Iranian Journal of Basic Medical Sciences, 2021, 24, 73-78.	1.0	3
80	Development of detection methods for the diagnosis and analysis of highly toxic metal phosphides: A comprehensive and critical review. Biotechnology and Applied Biochemistry, 2022, 69, 1121-1147.	3.1	2
81	Brevinin-2R-linked polyethylenimine as a promising hybrid nano-gene-delivery vector. Iranian Journal of Basic Medical Sciences, 2019, 22, 1026-1035.	1.0	2
82	A new molecularly imprinted polymer electrochemical sensor based on CuCo ₂ O ₄ /Nâ€doped CNTs/Pâ€doped GO nanocomposite for detection of 25â€hydroxyvitamin D ₃ in serum samples. Biotechnology and Applied Biochemistry, 0, , .	3.1	2
83	Reverse relation between cytotoxicity and Polyethylenimine/DNA ratio, the effect of using HEPES-buffered saline (HBS) medium in gene delivery. Toxicology in Vitro, 2022, 83, 105414.	2.4	2
84	Investigating Efficacy of Three DNA-Aptamers in Targeted Plasmid Delivery to Human Prostate Cancer Cell Lines. Molecular Biotechnology, 2023, 65, 97-107.	2.4	2
85	A simple, sensitive and rapid isocratic reversed-phase high-performance liquid chromatography method for determination and stability study of curcumin in pharmaceutical samples. Avicenna Journal of Phytomedicine, 2017, 7, 444-453.	0.2	1
86	Evaluation of leishmanicidal effect of extract by anti-leishmanial assay using promastigotes of. Avicenna Journal of Phytomedicine, 2018, 8, 524-532.	0.2	0
87	A Critical Systematic Review of Developing Aptasensors for Diagnosis and Detection of Diabetes Biomarkers. Critical Reviews in Analytical Chemistry, 2021, , 1-23.	3.5	0
88	Preparation of Chitosan Nanoparticles as a Capable Carrier for Antigen Delivery and Antibody Production.. Iranian Journal of Biotechnology, 2021, 19, e2871.	0.3	0
89	Synthesis and characterization of polyethyleneimine-terminated poly(Î²-amino esters) conjugated with pullulan for gene delivery. Pharmaceutical Development and Technology, 0, , 1-9.	2.4	0