

# Reza Kazemi Oskuee

## List of Publications by Year in descending order

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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	Green synthesis of calcium oxide nanoparticles in <i>Linum usitatissimum</i> extract and investigation of their photocatalytic and cytotoxicity effects. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 5125-5134.	4.6	4
2	Recent Advances in Lung Cancer Therapy Based on Nanomaterials: A Review. <i>Current Medicinal Chemistry</i> , 2023, 30, 335-355.	2.4	8
3	Investigating Efficacy of Three DNA-Aptamers in Targeted Plasmid Delivery to Human Prostate Cancer Cell Lines. <i>Molecular Biotechnology</i> , 2023, 65, 97-107.	2.4	2
4	Development of detection methods for the diagnosis and analysis of highly toxic metal phosphides: A comprehensive and critical review. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 1121-1147.	3.1	2
5	Biosensors based on aptamer-conjugated gold nanoparticles: A review. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 1517-1534.	3.1	39
6	Ellagic acid as a potent anticancer drug: A comprehensive review on in vitro, in vivo, in silico, and drug delivery studies. <i>Biotechnology and Applied Biochemistry</i> , 2022, 69, 2323-2356.	3.1	17
7	Coaxial 3D bioprinting of tri-polymer scaffolds to improve the osteogenic and vasculogenic potential of cells in co-culture models. <i>Journal of Biomedical Materials Research - Part A</i> , 2022, 110, 1077-1089.	4.0	17
8	Characterization and Evaluation of Cell-Penetrating Activity of Brevinin-2R: An Amphibian Skin Antimicrobial Peptide. <i>Molecular Biotechnology</i> , 2022, 64, 546-559.	2.4	4
9	Application of a transition metal oxide/carbon-based nanocomposite for designing a molecularly imprinted poly (L-cysteine) electrochemical sensor for curcumin. <i>Food Chemistry</i> , 2022, 386, 132845.	8.2	12
10	Preparation and Characterization of Platelet Lysate (PL)-Loaded Electrospun Nanofibers for Epidermal Wound Healing. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 2531-2539.	3.3	6
11	Reverse relation between cytotoxicity and Polyethylenimine/DNA ratio, the effect of using HEPES-buffered saline (HBS) medium in gene delivery. <i>Toxicology in Vitro</i> , 2022, 83, 105414.	2.4	2
12	In silico and experimental validation of a new modified arginine-rich cell penetrating peptide for plasmid DNA delivery. <i>International Journal of Pharmaceutics</i> , 2022, 624, 122005.	5.2	7
13	Antimicrobial Peptides, a Pool for Novel Cell Penetrating Peptides Development and Vice Versa. <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 1205-1220.	1.9	6
14	Potential SARS-CoV-2 vaccines: Concept, progress, and challenges. <i>International Immunopharmacology</i> , 2021, 97, 107622.	3.8	14
15	One-pot hydrothermal synthesis of carbon quantum dots from <i>Salvia hispanica</i> L. seeds and investigation of their biodistribution, and cytotoxicity effects. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105461.	6.7	28
16	Self-assembly of an aptamer-decorated chimeric peptide nanocarrier for targeted cancer gene delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112047.	5.0	18
17	Biosensors, microfluidics systems and lateral flow assays for circulating microRNA detection: A review. <i>Analytical Biochemistry</i> , 2021, 633, 114406.	2.4	19
18	Genetic modification of cystic fibrosis with $\Delta$ F508 mutation of CFTR gene using the CRISPR system in peripheral blood mononuclear cells. <i>Iranian Journal of Basic Medical Sciences</i> , 2021, 24, 73-78.	1.0	3

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19	A Critical Systematic Review of Developing Aptasensors for Diagnosis and Detection of Diabetes Biomarkers. <i>Critical Reviews in Analytical Chemistry</i> , 2021, , 1-23.	3.5	0
20	Preparation of Chitosan Nanoparticles as a Capable Carrier for Antigen Delivery and Antibody Production.. <i>Iranian Journal of Biotechnology</i> , 2021, 19, e2871.	0.3	0
21	MicroRNAs as important regulators of the NLRP3 inflammasome. <i>Progress in Biophysics and Molecular Biology</i> , 2020, 150, 50-61.	2.9	46
22	Role of oxygen vacancies on photo-catalytic activities of green synthesized ceria nanoparticles in <i>Cydonia oblonga miller</i> seeds extract and evaluation of its cytotoxicity effects. <i>Journal of Alloys and Compounds</i> , 2020, 816, 152553.	5.5	27
23	Plant-based synthesis of NiO nanoparticles using <i>salvia macrosiphon Boiss</i> extract and examination of their water treatment. <i>Rare Metals</i> , 2020, 39, 1134-1144.	7.1	83
24	Cerium oxide nanoparticles: A promising tool for the treatment of fibrosarcoma in-vivo. <i>Materials Science and Engineering C</i> , 2020, 109, 110533.	7.3	24
25	Delivery of LNA-antimiR-142-3p by Mesenchymal Stem Cells-Derived Exosomes to Breast Cancer Stem Cells Reduces Tumorigenicity. <i>Stem Cell Reviews and Reports</i> , 2020, 16, 541-556.	3.8	58
26	CRISPR/Cas9 mediated GFP $\alpha$ Chuman dentin matrix protein 1 (DMP1) promoter knock $\alpha$ in at the ROSA26 locus in mesenchymal stem cell for monitoring osteoblast differentiation. <i>Journal of Gene Medicine</i> , 2020, 22, e3288.	2.8	3
27	Development of biosensors for detection of alpha-fetoprotein: As a major biomarker for hepatocellular carcinoma. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 130, 115961.	11.4	50
28	Biological Properties, Current Applications and Potential Therapeutic Applications of Brevinin Peptide Superfamily. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 39-48.	1.9	15
29	Preparation of superparamagnetic iron oxide/doxorubicin loaded chitosan nanoparticles as a promising glioblastoma theranostic tool. <i>Journal of Cellular Physiology</i> , 2019, 234, 1547-1559.	4.1	43
30	Polyethylenimine-associated cerium oxide nanoparticles: A novel promising gene delivery vector. <i>Life Sciences</i> , 2019, 232, 116661.	4.3	16
31	BR2 cell penetrating peptide improved the transfection efficiency of modified polyethyleneimine. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101154.	3.0	3
32	Cytotoxicity and photocatalytic applications of biosynthesized ZnO nanoparticles by <i>Rheum turketanicum</i> rhizome extract. <i>Materials Research Express</i> , 2019, 6, 125016.	1.6	20
33	Bio-based synthesis of Nano-Ceria and evaluation of its bio-distribution and biological properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 830-836.	5.0	23
34	Plant-based synthesis of silver nanoparticles in <i>Handelia trichophylla</i> and their biological activities. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	1.7	36
35	Evaluation and comparison of cytotoxicity, genotoxicity, and apoptotic effects of poly-l-lysine/plasmid DNA micro- and nanoparticles. <i>Human and Experimental Toxicology</i> , 2019, 38, 983-991.	2.2	15
36	MPL nano-liposomal vaccine containing P5 HER2/neu-derived peptide pulsed PADRE as an effective vaccine in a mice TUBO model of breast cancer. <i>Journal of Controlled Release</i> , 2019, 303, 223-236.	9.9	58

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37	Eco-friendly and plant-based synthesis of silver nanoparticles using <i>Allium giganteum</i> and investigation of its bactericidal, cytotoxicity, and photocatalytic effects. <i>Materials Technology</i> , 2019, 34, 490-497.	3.0	69
38	Photocatalytic and Biological Attributes of Green Synthesized Nickel Oxide Nanoparticles by <i>Rheum Turkestanicum</i> (RT) Root Extract. <i>ChemistrySelect</i> , 2019, 4, 2416-2420.	1.5	22
39	Evaluation of anticancer effects of cerium oxide nanoparticles on mouse fibrosarcoma cell line. <i>Journal of Cellular Physiology</i> , 2019, 234, 4987-4996.	4.1	82
40	Preparation of cerium oxide nanoparticles in <i>Salvia Macrosiphon Boiss</i> seeds extract and investigation of their photo-catalytic activities. <i>Ceramics International</i> , 2019, 45, 4790-4797.	4.8	86
41	Charge reduction: an efficient strategy to reduce toxicity and increase the transfection efficiency of high molecular weight polyethylenimine. <i>Journal of Pharmaceutical Investigation</i> , 2019, 49, 105-114.	5.3	7
42	Enhanced gene delivery by polyethylenimine coated mesoporous silica nanoparticles. <i>Pharmaceutical Development and Technology</i> , 2019, 24, 127-132.	2.4	36
43	Brevinin-2R-linked polyethylenimine as a promising hybrid nano-gene-delivery vector. <i>Iranian Journal of Basic Medical Sciences</i> , 2019, 22, 1026-1035.	1.0	2
44	Viral vector mimicking and nucleus targeted nanoparticles based on dexamethasone polyethylenimine nanoliposomes: Preparation and evaluation of transfection efficiency. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 165, 252-261.	5.0	11
45	Green facile synthesis of low-toxic superparamagnetic iron oxide nanoparticles (SPIONs) and their cytotoxicity effects toward Neuro2A and HUVEC cell lines. <i>Ceramics International</i> , 2018, 44, 9263-9268.	4.8	38
46	Investigating the influence of polyplex size on toxicity properties of polyethylenimine mediated gene delivery. <i>Life Sciences</i> , 2018, 197, 101-108.	4.3	26
47	Evaluating polyethylenimine/DNA nanoparticles-mediated damage to cellular organelles using endoplasmic reticulum stress profile. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2018, 46, 192-199.	2.8	14
48	Nanoliposomes as the adjuvant delivery systems in cancer immunotherapy. <i>Journal of Cellular Physiology</i> , 2018, 233, 5189-5199.	4.1	65
49	Exosome-mediated delivery of functionally active miRNA-142-3p inhibitor reduces tumorigenicity of breast cancer in vitro and in vivo. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 7727-7747.	6.7	181
50	Synthesis, characterization and evaluation of transfection efficiency of dexamethasone conjugated poly(propyleneimine) nanocarriers for gene delivery#. <i>Pharmaceutical Biology</i> , 2018, 56, 519-527.	2.9	6
51	Green synthesis of labeled CeO <sub>2</sub> nanoparticles with <sup>99m</sup> Tc and its biodistribution evaluation in mice. <i>Life Sciences</i> , 2018, 212, 233-240.	4.3	40
52	Cytotoxic activity of greener synthesis of cerium oxide nanoparticles using carrageenan towards a WEHI 164 cancer cell line. <i>Ceramics International</i> , 2018, 44, 19570-19575.	4.8	47
53	Sequential or multiplex electrochemical detection of miRs based on the p19 function relative to three sandwiches of different structural hybrids on the liposomal sensor. <i>Materials Science and Engineering C</i> , 2018, 92, 703-711.	7.3	6
54	Evaluation of leishmanicidal effect of extract by anti-leishmanial assay using promastigotes of. <i>Avicenna Journal of Phytomedicine</i> , 2018, 8, 524-532.	0.2	0

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55	Hyperbranched dendrimer architectural copolymer gene delivery using hyperbranched PEI conjugated to poly(propyleneimine) dendrimers: synthesis, characterization, and evaluation of transfection efficiency. <i>Journal of Nanoparticle Research</i> , 2017, 19, 1.	1.9	8
56	Aptamer-targeted delivery of Bcl-xL shRNA using alkyl modified PAMAM dendrimers into lung cancer cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 92, 210-217.	2.8	78
57	Dexamethasone conjugated polyallylamine: Synthesis, characterization, and in vitro transfection and cytotoxicity. <i>Journal of Drug Delivery Science and Technology</i> , 2017, 40, 172-179.	3.0	9
58	PAMAM-pullulan conjugates as targeted gene carriers for liver cell. <i>Carbohydrate Polymers</i> , 2017, 157, 929-937.	10.2	35
59	Cholesterol improves the transfection efficiency of polyallylamine as a non-viral gene delivery vector. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2017, 53, .	1.2	6
60	The effect of cell penetrating peptides on transfection activity and cytotoxicity of polyallylamine. <i>BiolImpacts</i> , 2017, 7, 139-145.	1.5	13
61	A simple, sensitive and rapid isocratic reversed-phase high-performance liquid chromatography method for determination and stability study of curcumin in pharmaceutical samples. <i>Avicenna Journal of Phytomedicine</i> , 2017, 7, 444-453.	0.2	1
62	Honey-Based and Ultrasonic-Assisted Synthesis of Silver Nanoparticles and Their Antibacterial Activities. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 7989-7993.	0.9	4
63	Attachment of a Frog Skin-Derived Peptide to Functionalized Cerium Oxide Nanoparticles. <i>International Journal of Peptide Research and Therapeutics</i> , 2016, 22, 505-510.	1.9	10
64	Gene delivery to neuroblastoma cells by poly (L-lysine)-grafted low molecular weight polyethylenimine copolymers. <i>Biologicals</i> , 2016, 44, 212-218.	1.4	16
65	Progress in the development of lipopolyplexes as efficient non-viral gene delivery systems. <i>Journal of Controlled Release</i> , 2016, 236, 1-14.	9.9	164
66	Cationic Liposomes Modified with Polyallylamine as a Gene Carrier: Preparation, Characterization and Transfection Efficiency Evaluation. <i>Advanced Pharmaceutical Bulletin</i> , 2016, 6, 515-520.	1.4	18
67	Novel delivery system for natural products: Nano-curcumin formulations. <i>Avicenna Journal of Phytomedicine</i> , 2016, 6, 383-98.	0.2	66
68	The effect of nano-curcumin on HbA1c, fasting blood glucose, and lipid profile in diabetic subjects: a randomized clinical trial. <i>Avicenna Journal of Phytomedicine</i> , 2016, 6, 567-577.	0.2	99
69	A simple approach for producing highly efficient DNA carriers with reduced toxicity based on modified polyallylamine. <i>Materials Science and Engineering C</i> , 2015, 49, 290-296.	7.3	14
70	Honey-based synthesis of ZnO nanopowders and their cytotoxicity effects. <i>Advanced Powder Technology</i> , 2015, 26, 991-996.	4.1	33
71	Role of polyethyleneimine (PEI) in synthesis of zinc oxide nanoparticles and their cytotoxicity effects. <i>Ceramics International</i> , 2015, 41, 10222-10226.	4.8	8
72	Cellular delivery of shRNA using aptamer-conjugated PLL-alkyl-PEI nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 136, 355-364.	5.0	41

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73	Phylogenetic Analysis of Selected Menthol-Producing Species Belonging to the Lamiaceae Family. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2015, 34, 650-657.	1.1	5
74	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. <i>Journal of Biomaterials Applications</i> , 2015, 30, 632-648.	2.4	29
75	Evaluation of genotoxicity and cytotoxicity induced by different molecular weights of polyethylenimine/DNA nanoparticles. <i>Turkish Journal of Biology</i> , 2014, 38, 380-387.	0.8	22
76	Green synthesis and evaluation of metabolic activity of starch mediated nanoceria. <i>Ceramics International</i> , 2014, 40, 2041-2045.	4.8	92
77	Nanoceria: Gum mediated synthesis and in vitro viability assay. <i>Ceramics International</i> , 2014, 40, 2863-2868.	4.8	80
78	Food-directed synthesis of cerium oxide nanoparticles and their neurotoxicity effects. <i>Ceramics International</i> , 2014, 40, 7425-7430.	4.8	120
79	Green chemistry approach for the synthesis of ZnO nanopowders and their cytotoxic effects. <i>Ceramics International</i> , 2014, 40, 4827-4831.	4.8	127
80	Interleukin-12 plasmid DNA delivery using l-thyroxine-conjugated polyethylenimine nanocarriers. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	25
81	Superparamagnetic iron oxide nanoparticles (SPIONs): Green preparation, characterization and their cytotoxicity effects. <i>Ceramics International</i> , 2014, 40, 14641-14645.	4.8	64
82	Preparation and in-vitro Transfection Efficiency Evaluation of Modified Cationic Liposome-polyethylenimine-plasmid Nanocomplexes as a Novel Gene Carrier. <i>Current Drug Delivery</i> , 2014, 11, 636-642.	1.6	10
83	Facile synthesis, characterization, and evaluation of neurotoxicity effect of cerium oxide nanoparticles. <i>Ceramics International</i> , 2013, 39, 6917-6921.	4.8	80
84	Sol-gel synthesis, characterization, and neurotoxicity effect of zinc oxide nanoparticles using gum tragacanth. <i>Ceramics International</i> , 2013, 39, 9195-9199.	4.8	129
85	$\beta$ -Galactosylated Alkyl-oligoamine Derivatives of Polyethylenimine Enhanced pDNA Delivery into Hepatic Cells with Reduced Toxicity. <i>Current Nanoscience</i> , 2012, 8, 548-555.	1.2	26
86	Preparation, characterization, transfection efficiency, and cytotoxicity of liposomes containing oligoamine-modified cholesterol as nanocarriers to Neuro2A cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2009, 5, 457-462.	3.3	17
87	A Review on Application of Novel Solid Nanostructures in Drug Delivery. <i>Journal of Nano Research</i> , 0, 53, 22-36.	0.8	7
88	A new molecularly imprinted polymer electrochemical sensor based on $\text{CuCo}_2/\text{O}_4/\text{N-doped CNTs}/\text{P-doped GO}$ nanocomposite for detection of $25\text{-OH-VitD}_3$ in serum samples. <i>Biotechnology and Applied Biochemistry</i> , 0, , .	3.1	2
89	Synthesis and characterization of polyethylenimine-terminated poly( $\beta$ -amino esters) conjugated with pullulan for gene delivery. <i>Pharmaceutical Development and Technology</i> , 0, , 1-9.	2.4	0