

# Morteza Eskandani

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

2,945  
citations

109264

35  
h-index

189801

50  
g-index

81  
all docs

81  
docs citations

81  
times ranked

3917  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous silica-based materials for use in biosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 33, 117-129.	5.8	127
2	Cytotoxicity and DNA damage properties of tert-butylhydroquinone (TBHQ) food additive. <i>Food Chemistry</i> , 2014, 153, 315-320.	4.2	118
3	Molecular machineries of pH dysregulation in tumor microenvironment: potential targets for cancer therapy. <i>BiolImpacts</i> , 2017, 7, 115-133.	0.7	93
4	AS1411 aptamer-decorated cisplatin-loaded poly(lactic-co-glycolic acid) nanoparticles for targeted therapy of miR-21-inhibited ovarian cancer cells. <i>Nanomedicine</i> , 2018, 13, 2729-2758.	1.7	89
5	Formulation, characterization and cytotoxicity studies of alendronate sodium-loaded solid lipid nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 117, 21-28.	2.5	82
6	Cytotoxicity and DNA Fragmentation Properties of Butylated Hydroxyanisole. <i>DNA and Cell Biology</i> , 2013, 32, 98-103.	0.9	80
7	Mesoporous silica-based materials for use in electrochemical enzyme nanobiosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 40, 106-118.	5.8	70
8	Chitosan-grafted-poly(methacrylic acid)/graphene oxide nanocomposite as a pH-responsive de novo cancer chemotherapy nanosystem. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1871-1879.	3.6	70
9	Mesoporous silica materials for use in electrochemical immunosensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 45, 93-106.	5.8	69
10	Dendrimer-encapsulated and cored metal nanoparticles for electrochemical nanobiosensing. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 53, 137-149.	5.8	68
11	Stimuli-responsive nanofibers prepared from poly(N-isopropylacrylamide-acrylamide-vinylpyrrolidone) by electrospinning as an anticancer drug delivery. <i>Designed Monomers and Polymers</i> , 2013, 16, 515-527.	0.7	66
12	Electrically conductive biomaterials based on natural polysaccharides: Challenges and applications in tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2019, 141, 636-662.	3.6	63
13	Electrochemical nano-immunosensing of effective cardiac biomarkers for acute myocardial infarction. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 49, 20-30.	5.8	60
14	Formulation and Physicochemical Characterization of Lycopene-Loaded Solid Lipid Nanoparticles. <i>Advanced Pharmaceutical Bulletin</i> , 2016, 6, 235-241.	0.6	60
15	Cyto/Genotoxicity Study of Polyoxyethylene (20) Sorbitan Monolaurate (Tween 20). <i>DNA and Cell Biology</i> , 2013, 32, 498-503.	0.9	59
16	Preparation, characterization and anti-proliferative effects of sclareol-loaded solid lipid nanoparticles on A549 human lung epithelial cancer cells. <i>Journal of Drug Delivery Science and Technology</i> , 2018, 45, 272-280.	1.4	55
17	Recent trends in targeted therapy of cancer using graphene oxide-modified multifunctional nanomedicines. <i>Journal of Drug Targeting</i> , 2017, 25, 202-215.	2.1	54
18	Interaction, Controlled Release, and Antitumor Activity of Doxorubicin Hydrochloride From pH-Sensitive P(NIPAAm-MAA-VP) Nanofibrous Scaffolds Prepared by Green Electrospinning. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 609-619.	1.8	53

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19	Geno- and cytotoxicity of propyl gallate food additive. <i>Drug and Chemical Toxicology</i> , 2014, 37, 241-246.	1.2	53
20	Electrochemical sensing of doxorubicin in unprocessed whole blood, cell lysate, and human plasma samples using thin film of poly-arginine modified glassy carbon electrode. <i>Materials Science and Engineering C</i> , 2017, 77, 790-802.	3.8	52
21	Combating atherosclerosis with targeted nanomedicines: recent advances and future prospective. <i>Biolmpacts</i> , 2018, 8, 59-75.	0.7	52
22	Development of dual responsive nanocomposite for simultaneous delivery of anticancer drugs. <i>Journal of Drug Targeting</i> , 2014, 22, 327-342.	2.1	51
23	Doxorubicin-conjugated D-glucosamine- and folate- bi-functionalised InP/ZnS quantum dots for cancer cells imaging and therapy. <i>Journal of Drug Targeting</i> , 2018, 26, 267-277.	2.1	51
24	Reduced graphene oxide decorated with gold nanoparticle as signal amplification element on ultra-sensitive electrochemiluminescence determination of caspase-3 activity and apoptosis using peptide based biosensor. <i>Biolmpacts</i> , 2016, 6, 135-147.	0.7	50
25	Galbanic acid inhibits HIF-1 $\alpha$ expression via EGFR/HIF-1 $\alpha$ pathway in cancer cells. <i>F<math>\ddot{A}</math>-toteraP<math>\ddot{A}</math>-<math>\ddot{A}</math><math>\phi</math></i> , 2015, 101, 1-11.1		48
26	Self-reporter shikonin-Act-loaded solid lipid nanoparticle: Formulation, physicochemical characterization and geno/cytotoxicity evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2014, 59, 49-57.	1.9	47
27	Recent advances in aptamer-armed multimodal theranostic nanosystems for imaging and targeted therapy of cancer. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 117, 301-312.	1.9	47
28	Recent advances in $\hat{I}^3H2AX$ biomarker-based genotoxicity assays: A marker of DNA damage and repair. <i>DNA Repair</i> , 2021, 108, 103243.	1.3	47
29	Formulation, characterization, and geno/cytotoxicity studies of galbanic acid-loaded solid lipid nanoparticles. <i>Pharmaceutical Biology</i> , 2015, 53, 1525-1538.	1.3	46
30	Room-temperature ionic liquid-based electrochemical nanobiosensors. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 41, 58-74.	5.8	43
31	Surface functionalization of graphene oxide with poly(2-hydroxyethyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (methacrylate) A: <i>Materials Science and Processing</i> , 2016, 122, 1.	1.1	42
32	A reliable self-assembled peptide based electrochemical biosensor for detection of caspase 3 activity and apoptosis. <i>RSC Advances</i> , 2015, 5, 58316-58326.	1.7	41
33	Bispecific therapeutic aptamers for targeted therapy of cancer: a review on cellular perspective. <i>Journal of Molecular Medicine</i> , 2018, 96, 885-902.	1.7	41
34	Aptamer-conjugated mesoporous silica nanoparticles for simultaneous imaging and therapy of cancer. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 123, 115759.	5.8	41
35	Development of novel electrically conductive scaffold based on hyperbranched polyester and polythiophene for tissue engineering applications. <i>Journal of Biomedical Materials Research - Part A</i> , 2016, 104, 2673-2684.	2.1	40
36	Antisense LNA-loaded nanoparticles of star-shaped glucose-core PCL-PEG copolymer for enhanced inhibition of oncomiR-214 and nucleolin-mediated therapy of cisplatin-resistant ovarian cancer cells. <i>International Journal of Pharmaceutics</i> , 2020, 573, 118729.	2.6	40

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37	Cadmium-free quantum dot-based theranostics. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 118, 386-400.	5.8	37
38	Recent advances in targeted delivery of tissue plasminogen activator for enhanced thrombolysis in ischaemic stroke. <i>Journal of Drug Targeting</i> , 2018, 26, 95-109.	2.1	35
39	Survivin-deltaEx3: A novel biomarker for diagnosis of papillary thyroid carcinoma. <i>Journal of Cancer Research and Therapeutics</i> , 2011, 7, 325.	0.3	33
40	Cell physiology regulation by hypoxia inducible factor-1: Targeting oxygen-related nanomachineries of hypoxic cells. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 46-62.	3.6	30
41	PEGylated graphene oxide/Fe <sub>3</sub> O <sub>4</sub> nanocomposite: Synthesis, characterization, and evaluation of its performance as de novo drug delivery nanosystem. <i>Bio-Medical Materials and Engineering</i> , 2018, 29, 177-190.	0.4	30
42	The health benefits of three Hedgenettle herbal teas ( <i>Stachys byzantina</i> , <i>Stachys inflata</i> , and <i>Stachys</i> ) <i>Tj ETQq0 0 0 rgBT /Overlock 10 T</i> <i>Medicine</i> , 2020, 36, 101134.	0.8	30
43	Comet assay: a method to evaluate genotoxicity of nano-drug delivery system. <i>BiolImpacts</i> , 2011, 1, 87-97.	0.7	30
44	Natural polypeptides-based electrically conductive biomaterials for tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2020, 147, 706-733.	3.6	28
45	Oxidative stress level and tyrosinase activity in vitiligo patients. <i>Indian Journal of Dermatology</i> , 2010, 55, 15.	0.1	28
46	Enhanced thrombolysis using tissue plasminogen activator (tPA)-loaded PEGylated PLGA nanoparticles for ischemic stroke. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 53, 101165.	1.4	27
47	Polysaccharide-based hydrogels: properties, advantages, challenges, and optimization methods for applications in regenerative medicine. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2022, 71, 1319-1333.	1.8	26
48	Marrubiin-loaded solid lipid nanoparticlesâ€™ impact on TNF- $\alpha$ treated umbilical vein endothelial cells: A study for cardioprotective effect. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 299-307.	2.5	25
49	Cadmium(II) complexes of a hydrazone ligand: Synthesis, characterization, DNA binding, cyto- and genotoxicity studies. <i>Polyhedron</i> , 2019, 171, 237-248.	1.0	23
50	Recent advances in aptamer-based nanosystems and microfluidics devices for the detection of ovarian cancer biomarkers. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116343.	5.8	23
51	Anti-proliferative activity-guided isolation of clerodermic acid from <i>Salvia nemorosa</i> L.: Geno/cytotoxicity and hypoxia-mediated mechanism of action. <i>Food and Chemical Toxicology</i> , 2018, 120, 155-163.	1.8	22
52	Propyl gallate (PG) and tert-butylhydroquinone (TBHQ) may alter the potential anti-cancer behavior of probiotics. <i>Food Bioscience</i> , 2018, 24, 37-45.	2.0	22
53	Abietane diterpenoid of <i>Salvia sahendica</i> Boiss and Buhse potently inhibits MCF-7 breast carcinoma cells by suppression of the PI3K/AKT pathway. <i>RSC Advances</i> , 2015, 5, 18041-18050.	1.7	21
54	Essential oils of hedgenettles ( <i>Stachys inflata</i> , <i>S. lavandulifolia</i> , and <i>S. byzantina</i> ) have antioxidant, anti-Alzheimer, antidiabetic, and anti-obesity potential: A comparative study. <i>Industrial Crops and Products</i> , 2020, 145, 112089.	2.5	21

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55	Folate-conjugated thermal- and pH-responsive magnetic hydrogel as a drug delivery nano-system for chemo/hyperthermia therapy of solid tumors. <i>Materials Today Communications</i> , 2022, 30, 103148.	0.9	21
56	Geno/cytotoxicity and Apoptotic Properties of Phenolic Compounds from the Seeds of <i>Dorema Glabrum</i> Fisch. C.A. <i>BiolImpacts</i> , 2014, 4, 191-198.	0.7	20
57	Preparation of Poly Acrylic Acid-Poly Acrylamide Composite Nanogels by Radiation Technique. <i>Advanced Pharmaceutical Bulletin</i> , 2015, 5, 269-275.	0.6	20
58	Preparation, physicochemical characterization, and anti-proliferative properties of Lawsone-loaded solid lipid nanoparticles. <i>Chemistry and Physics of Lipids</i> , 2021, 239, 105123.	1.5	17
59	Triterpenoid corosolic acid attenuates HIF-1 stabilization upon cobalt (II) chloride-induced hypoxia in A549 human lung epithelial cancer cells. <i>FAJOTERAP</i> , 2019, 134, 493-500.	1.1	16
60	Free Radical Scavenging Potential and Essential Oil Composition of the <i>Dorema glabrum</i> Fisch. C.A. Mey Roots from Iran. <i>BiolImpacts</i> , 2011, 1, 241-4.	0.7	16
61	The potential of transgenic green microalgae; a robust photobioreactor to produce recombinant therapeutic proteins. <i>World Journal of Microbiology and Biotechnology</i> , 2014, 30, 2783-2796.	1.7	15
62	Novel Natural Agents from Lamiaceae Family: An Evaluation on Toxicity and Enzyme Inhibitory Potential Linked to Diabetes Mellitus. <i>Current Bioactive Compounds</i> , 2016, 12, 34-38.	0.2	15
63	Protective effect of l-carnitine-loaded solid lipid nanoparticles against H <sub>2</sub> O <sub>2</sub> -induced genotoxicity and apoptosis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 212, 112365.	2.5	14
64	A novel stimuli-responsive magnetic hydrogel based on nature-inspired tragacanth gum for chemo/hyperthermia treatment of cancerous cells. <i>Journal of Polymer Research</i> , 2022, 29, 1.	1.2	14
65	Recent progress in the development of aptasensors for cancer diagnosis: Focusing on aptamers against cancer biomarkers. <i>Microchemical Journal</i> , 2021, 170, 106640.	2.3	13
66	Acriflavine-loaded solid lipid nanoparticles: preparation, physicochemical characterization, and anti-proliferative properties. <i>Pharmaceutical Development and Technology</i> , 2021, 26, 934-942.	1.1	12
67	Functional expression and impact of testis-specific gene antigen 10 in breast cancer: a combined in vitro and in silico analysis. <i>BiolImpacts</i> , 2019, 9, 145-159.	0.7	10
68	Perspectives and trends in advanced DNA biosensors for the recognition of single nucleotide polymorphisms. <i>Chemical Engineering Journal</i> , 2022, 441, 135988.	6.6	10
69	Cyto/Genotoxic Effects of <i>Pistacia atlantica</i> Resin, a Traditional Gum. <i>DNA and Cell Biology</i> , 2016, 35, 261-266.	0.9	9
70	Doxorubicin and doxorubicin-loaded nanoliposome induce senescence by enhancing oxidative stress, hepatotoxicity, and in vivo genotoxicity in male Wistar rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2021, 394, 1803-1813.	1.4	9
71	Spectrophotometric analysis of thrombolytic activity: SATA assay. <i>BiolImpacts</i> , 2018, 8, 31-38.	0.7	8
72	Electrically conductive adhesive based on novolac-grafted polyaniline: synthesis and characterization. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 2821-2828.	1.1	8

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73	Inhibitory Effects of Flavonolignans from <i>Silybum marianum</i> (L.) Gaertn (Milk Thistle) on Function of Aldehyde Oxidase and Xanthine Oxidase in Rats. <i>Letters in Drug Design and Discovery</i> , 2018, 15, .	0.4	7
74	Aptamedicine: a new treatment modality in personalized cancer therapy. <i>BioImpacts</i> , 2019, 9, 66-69.	0.7	7
75	Electroactive nanofibrous scaffold based on polythiophene for bone tissue engineering application. <i>Journal of Materials Research</i> , 2022, 37, 796-806.	1.2	7
76	The Construction of Chimeric T-Cell Receptor with Spacer Base of Modeling Study of VHH and MUC1 Interaction. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-11.	3.0	6
77	Assessment of MC1R and $\beta$ -MSH gene sequences in Iranian vitiligo patients. <i>Indian Journal of Dermatology</i> , 2010, 55, 325.	0.1	5
78	Novel Strategy for Anhydride-Functionalization of Poly(Vinyl Chloride): Synthesis and Characterization. <i>Polymer-Plastics Technology and Engineering</i> , 2016, 55, 1357-1364.	1.9	3
79	Novel dental nanocomposites: fabrication and investigation of their physicochemical, mechanical and biological properties. <i>Bulletin of Materials Science</i> , 2018, 41, 1.	0.8	2
80	Determination of phenolics composition, antioxidant activity, and therapeutic potential of Golden marguerite ( <i>Cota tinctoria</i> ). <i>Journal of Food Measurement and Characterization</i> , 2021, 15, 3314-3322.	1.6	2
81	Sclareol Inhibits Hypoxia-Inducible Factor-1 $\alpha$ Accumulation and Induces Apoptosis in Hypoxic Cancer Cells. <i>Advanced Pharmaceutical Bulletin</i> , 2021, , .	0.6	0