

# Majid Mahdavi

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,238  
citations

331259

21  
h-index

395343

33  
g-index

60  
all docs

60  
docs citations

60  
times ranked

2019  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Calprotectin (S100A8/S100A9): a key protein between inflammation and cancer. <i>Inflammation Research</i> , 2018, 67, 801-812.  | 1.6 | 157       |
| 2  | Up regulation of Bax and down regulation of Bcl2 during 3-NC mediated apoptosis in human cancer cells. <i>Cancer Cell International</i> , 2015, 15, 55.   | 1.8 | 131       |
| 3  | Potent anti-angiogenic and cytotoxic effect of conferone on human colorectal adenocarcinoma HT-29 cells. <i>Phytomedicine</i> , 2016, 23, 398-405.  | 2.3 | 49        |
| 4  | Development of curcumin-loaded gemini surfactant nanoparticles: Synthesis, characterization and evaluation of anticancer activity against human breast cancer cell lines. <i>Phytomedicine</i> , 2019, 57, 183-190.   | 2.3 | 44        |
| 5  | Concomitant activation of caspase-9 and down-regulation of IAP proteins as a mechanism of apoptotic death in HepG2, T47D and HCT-116 cells upon exposure to a derivative from 4-aryl-4H-chromenes family. <i>Biomedicine and Pharmacotherapy</i> , 2011, 65, 175-182.                 | 2.5 | 43        |
| 6  | Reactions of copper(II), nickel(II), and zinc(II) acetates with a new water-soluble 4-phenylthiosemicarbazone Schiff base ligand: Synthesis, characterization, unexpected cyclization, antimicrobial, antioxidant, and anticancer activities. <i>Polyhedron</i> , 2017, 124, 156-165. | 1.0 | 43        |
| 7  | Farnesiferol C induces cell cycle arrest and apoptosis mediated by oxidative stress in MCF-7 cell line. <i>Toxicology Reports</i> , 2017, 4, 420-426.   | 1.6 | 43        |
| 8  | Spiroquinazolinone-induced cytotoxicity and apoptosis in K562 human leukemia cells: alteration in expression levels of Bcl-2 and Bax. <i>Journal of Toxicological Sciences</i> , 2015, 40, 115-126.   | 0.7 | 39        |
| 9  | <i>Helicobacter pylori vacA d1</i> Genotype Predicts Risk of Gastric Adenocarcinoma and Peptic Ulcers in Northwestern Iran. <i>Asian Pacific Journal of Cancer Prevention</i> , 2014, 15, 1575-1579.  | 0.5 | 39        |
| 10 | Enhanced anti-proliferative and pro-apoptotic effects of metformin encapsulated PLGA-PEG nanoparticles on SKOV3 human ovarian carcinoma cells. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2019, 47, 737-746.   | 1.9 | 35        |
| 11 | Multispectral studies of DNA binding, antioxidant and cytotoxic activities of a new pyranochromene derivative. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 145, 353-359.   | 2.0 | 34        |
| 12 | Synthesis, characterization and in vitro biological activities of new water-soluble copper(II), zinc(II), and nickel(II) complexes with sulfonato-substituted Schiff base ligand. <i>Inorganica Chimica Acta</i> , 2017, 458, 171-180.  | 1.2 | 33        |
| 13 | A novel and highly sensitive sandwich-type immunosensor for prostate-specific antigen detection based on MWCNTs-Fe <sub>3</sub> O <sub>4</sub> nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2021, 346, 130459.   | 4.0 | 33        |
| 14 | Apoptosis induction activity and molecular docking studies of survivin siRNA carried by Fe <sub>3</sub> O <sub>4</sub> -PEG-LAC-chitosan-PEI nanoparticles in MCF-7 human breast cancer cells. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 142, 145-154.         | 1.4 | 32        |
| 15 | Preparation and in-vitro evaluation of mesoporous biogenic silica nanoparticles obtained from rice and wheat husk as a biocompatible carrier for anti-cancer drug delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 163, 105866.                                   | 1.9 | 31        |
| 16 | Evaluation of the cytotoxic, apoptosis inducing activity and molecular docking of spiroquinazolinone benzamide derivatives in MCF-7 breast cancer cells. <i>Chemico-Biological Interactions</i> , 2016, 260, 232-242.   | 1.7 | 30        |
| 17 | Induction of apoptosis through tubulin inhibition in human cancer cells by new chromene-based chalcones. <i>Pharmaceutical Biology</i> , 2012, 50, 1551-1560.   | 1.3 | 26        |
| 18 | Anti-proliferative and apoptotic effects of the derivatives from 4-aryl-4H-chromene family on human leukemia K562 cells. <i>Archives of Pharmacal Research</i> , 2012, 35, 1573-1582.   | 2.7 | 26        |

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|----|--|-----|-----------|
| 19 | Inhibition of cell proliferation and induction of apoptosis in K562 human leukemia cells by the derivative (3-NpC) from dihydro-pyranochromenes family. <i>Acta Biochimica Polonica</i> , 2015, 62, 83-88.   | 0.3 | 23        |
| 20 | Synthesis and characterization of Fe <sub>3</sub> O <sub>4</sub> -PEG-LAC-chitosan-PEI nanoparticle as a survivin siRNA delivery system. <i>Human and Experimental Toxicology</i> , 2017, 36, 227-237.   | 1.1 | 23        |
| 21 | Synthesis of temperature/pH dual-responsive mesoporous silica nanoparticles by surface modification and radical polymerization for anti-cancer drug delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 623, 126719. | 2.3 | 22        |
| 22 | Gnidilatimonoein from <i>Daphne mucronata</i> induces differentiation and apoptosis in leukemia cell lines. <i>Archives of Pharmacal Research</i> , 2007, 30, 177-181.   | 2.7 | 21        |
| 23 | The role of KIR positive NK cells in diseases and its importance in clinical intervention. <i>International Immunopharmacology</i> , 2021, 92, 107361.   | 1.7 | 18        |
| 24 | Direct surface modification of mesoporous silica nanoparticles by DBD plasma as a green approach to prepare dual-responsive drug delivery system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 123, 47-58.                         | 2.7 | 18        |
| 25 | Biological evaluation of synthetic analogues of curcumin: chloro-substituted-2-hydroxychalcones as potential inhibitors of tubulin polymerization and cell proliferation. <i>Medicinal Chemistry Research</i> , 2011, 20, 503-510.                         | 1.1 | 17        |
| 26 | 3-Hydrogenkwadaphnin from <i>Dendrostellera lesserti</i> Induces Differentiation and Apoptosis in HL-60 Cells. <i>Planta Medica</i> , 2005, 71, 1112-1117.   | 0.7 | 16        |
| 27 | Novel polyacrylate-based cationic nanoparticles for survivin siRNA delivery combined with mitoxantrone for treatment of breast cancer. <i>Biologicals</i> , 2016, 44, 487-496.   | 0.5 | 16        |
| 28 | Acute and Subchronic Toxicity Study of the Median Septum of <i>Juglans regia</i> in Wistar Rats. <i>Advanced Pharmaceutical Bulletin</i> , 2016, 6, 541-549.   | 0.6 | 13        |
| 29 | Cytotoxic and apoptosis inducing effect of some pyrano [3, 2-c] pyridine derivatives against MCF-7 Breast Cancer Cells. <i>Acta Biochimica Polonica</i> , 2018, 65, 397-402.   | 0.3 | 12        |
| 30 | Gemini Curcumin Suppresses Proliferation of Ovarian Cancer OVCAR-3 Cells via Induction of Apoptosis. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2021, 21, 775-781.   | 0.9 | 12        |
| 31 | An Efficient Graphene Quantum Dots-Based Electrochemical Cytosensor for the Sensitive Recognition of CD123 in Acute Myeloid Leukemia Cells. <i>IEEE Sensors Journal</i> , 2021, 21, 16451-16463.   | 2.4 | 12        |
| 32 | Calprotectin (S100A8/S100A9)-induced cytotoxicity and apoptosis in human gastric cancer AGS cells: Alteration in expression levels of Bax, Bcl-2, and ERK2. <i>Human and Experimental Toxicology</i> , 2020, 39, 1031-1045.                                | 1.1 | 11        |
| 33 | Oxidative Stress-Induced Apoptosis in Chronic Myelogenous Leukemia K562 Cells by an Active Compound from the Dithio- Carbamate Family. <i>Asian Pacific Journal of Cancer Prevention</i> , 2016, 17, 4267-4273.  | 0.5 | 11        |
| 34 | Guanosine 5'-triphosphate induces differentiation-dependent apoptosis in human leukemia U937 and KG1 cells. <i>Acta Pharmacologica Sinica</i> , 2006, 27, 1175-1184.   | 2.8 | 10        |
| 35 | Metformin protects PC12 cells against oxygen-glucose deprivation/reperfusion injury. <i>Toxicology Mechanisms and Methods</i> , 2018, 28, 622-629.   | 1.3 | 10        |
| 36 | Molecular mechanisms of apoptosis induction in K562 and KG1a leukemia cells by a water-soluble copper(II) thiosemicarbazone complex. <i>Journal of Biological Inorganic Chemistry</i> , 2020, 25, 383-394.   | 1.1 | 10        |

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|----|---|-----|-----------|
| 37 | Down-regulation of Survivin and Bcl-2 concomitant with the activation of caspase-3 as a mechanism of apoptotic death in KG1a and K562 cells upon exposure to a derivative from ciprofloxacin family. <i>Toxicology and Applied Pharmacology</i> , 2020, 409, 115331.          | 1.3 | 9         |
| 38 | Copper, nickel and zinc complexes of a new water-soluble thiosemicarbazone ligand: Synthesis, characterization, stability and biological evaluation. <i>Journal of Molecular Liquids</i> , 2017, 248, 658-667.  | 2.3 | 8         |
| 39 | Novel N-4-Piperazinyl Ciprofloxacin-Ester Hybrids: Synthesis, Biological Evaluation, and Molecular Docking Studies. <i>Russian Journal of General Chemistry</i> , 2020, 90, 1558-1565.  | 0.3 | 8         |
| 40 | Overexpression of CFL1 in gastric cancer and the effects of its silencing by siRNA with a nanoparticle delivery system in the gastric cancer cell line. <i>Journal of Cellular Physiology</i> , 2020, 235, 6660-6672.   | 2.0 | 8         |
| 41 | Investigation on the Binding Mode of 3, 4-Dihydropyrano[c]Chromene Derivative with Double Strand DNA. <i>Advanced Pharmaceutical Bulletin</i> , 2015, 5, 477-481.   | 0.6 | 7         |
| 42 | Cytotoxicity, oxidative stress, and apoptosis in K562 leukemia cells induced by an active compound from pyrano-pyridine derivatives. <i>Human and Experimental Toxicology</i> , 2018, 37, 1105-1116.  | 1.1 | 7         |
| 43 | DNA-binding activity and cytotoxic and cell cycle arrest properties of some new coumarin derivatives: a multispectral and computational investigation. <i>Luminescence</i> , 2020, 35, 98-106.  | 1.5 | 7         |
| 44 | Lactobacillus casei UT1 Isolated from Northwest of Iran Traditional Curd Exerts Anti-proliferative and Apoptosis Inducing Effects in Human Colorectal Tumor HCT 116 Cells. <i>Advanced Pharmaceutical Bulletin</i> , 2020, 10, 125-129.                                       | 0.6 | 6         |
| 45 | 4t-CHQ a Spiro-Quinazolinone Benzenesulfonamide Derivative Induces G0/G1 Cell Cycle arrest and Triggers Apoptosis Through Down-Regulation of Survivin and Bcl2 in the Leukemia Stem-Like KG1-a Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 19, 1340-1349. | 0.9 | 5         |
| 46 | Induction of Differentiation and Apoptosis in Three Human Leukemia Cell Lines by a New Compound from <i>Dendrostellera lessertii</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2006, 38, 477-483.   | 0.9 | 4         |
| 47 | Studying the Relationship between Robustness against Mutations in Metabolic Networks and Lifestyle of Organisms. <i>Scientific World Journal, The</i> , 2013, 2013, 1-6.  | 0.8 | 3         |
| 48 | DNA-binding affinity, cytotoxicity, apoptosis, cell cycle inhibition and molecular docking studies of a new stilbene derivative. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2019, 38, 101-118.   | 0.4 | 3         |
| 49 | Down-regulation of Bcl2 and Survivin, and up-regulation of Bax involved in copper (II) phenylthiosemicarbazone complex-induced apoptosis in leukemia stem-like KG1a cells. <i>Process Biochemistry</i> , 2020, 92, 190-196.   | 1.8 | 3         |
| 50 | Multifunctional Superparamagnetic Nanoparticles: From Synthesis to siRNA Delivery. <i>Current Pharmaceutical Design</i> , 2017, 23, 2400-2409.  | 0.9 | 3         |
| 51 | The Effects of Sesquiterpene Lactones on the Differentiation of Human or Animal Cells Cultured In-Vitro: A Critical Systematic Review. <i>Frontiers in Pharmacology</i> , 2022, 13, 862446.   | 1.6 | 3         |
| 52 | DNA binding ability and cytotoxicity, cell cycle arrest and apoptosis inducing properties of a benzochromene derivative against K562 human leukemia cells. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2021, 40, 732-753.   | 0.4 | 2         |
| 53 | Apoptotic induction in K562 cell line by new water-soluble complexes of nickel(II) and zinc(II). <i>Polyhedron</i> , 2021, 202, 115205.   | 1.0 | 2         |
| 54 | Design, synthesis and evaluation of biological activities of some novel anti-TB agents with bio-reducible functional group. <i>BiolImpacts</i> , 2019, 9, 199-209.  | 0.7 | 2         |

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|----|---|-----|-----------|
| 55 | Apoptosis-inducing effect of spiroaminopyrimidine analogue in NB4 leukemia cells via down-regulation of BIRC5 expression. <i>Experimental Oncology</i> , 2019, 41, 312-317.   | 0.4 | 2         |
| 56 | 2-NDC from dithiocarbamates improves ATRA efficiency and ROS-induced apoptosis via downregulation of Bcl2 and Survivin in human acute promyelocytic NB4 cells. <i>Human and Experimental Toxicology</i> , 2020, 39, 960-972.  | 1.1 | 1         |
| 57 | Synthesis and Biological Evaluation of Some Novel 2-Pyrazinoic Acid-derived Esters. <i>Letters in Organic Chemistry</i> , 2019, 16, 424-429.  | 0.2 | 1         |
| 58 | Isolation and Characterization of <i>Lactobacillus paracasei</i> ST1 from Region of Azerbaijan "Shoor" Dairy Product and Study of Anticancer and Anti-Proliferation Activities by Supernatant of Strain on HCT116 Colorectal Tumor Cells In Vitro. <i>Jentashapir Journal of Cellular and Molecular Biology</i> , 2020, 11, . | 0.1 | 1         |
| 59 | Study of cytotoxicity and cell death of an active compound from pyrazinoic acids in chronic myeloid leukemia K562 cell line. <i>Medical Journal of Tabriz University of Medical Sciences &amp; Health Services</i> , 2019, 41, 14-21.   | 0.1 | 0         |
| 60 | In vitro study of redroot pigweed effects as weed plant species on leukemia. <i>Natural Product Research</i> , 2021, , 1-4.   | 1.0 | 0         |