

# Mohammad Amin Moosavi

## List of Publications by Citations

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34  
papers

817  
citations

14  
h-index

28  
g-index

37  
ext. papers

1,032  
ext. citations

5.3  
avg, IF

4.38  
L-index

#	Paper	IF	Citations
34	Necrotic, apoptotic and autophagic cell fates triggered by nanoparticles. <i>Autophagy</i> , <b>2019</b> , 15, 4-33	10.2	150
33	Health Concerns of Various Nanoparticles: A Review of Their in Vitro and in Vivo Toxicity. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	131
32	New frontiers in the treatment of colorectal cancer: Autophagy and the unfolded protein response as promising targets. <i>Autophagy</i> , <b>2017</b> , 13, 781-819	10.2	94
31	Photodynamic N-TiO Nanoparticle Treatment Induces Controlled ROS-mediated Autophagy and Terminal Differentiation of Leukemia Cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 34413	4.9	70
30	Phytochemicals as potent modulators of autophagy for cancer therapy. <i>Cancer Letters</i> , <b>2018</b> , 424, 46-69	9.9	60
29	ER Stress: A Therapeutic Target in Rheumatoid Arthritis?. <i>Trends in Pharmacological Sciences</i> , <b>2018</b> , 39, 610-623	13.2	38
28	ERK1/2 inactivation and p38 MAPK-dependent caspase activation during guanosine 5' triphosphate-mediated terminal erythroid differentiation of K562 cells. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2007</b> , 39, 1685-97	5.6	29
27	3-Hydrogenkwadaphnin targets inosine 5' monophosphate dehydrogenase and triggers post-G1 arrest apoptosis in human leukemia cell lines. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2005</b> , 37, 2366-79	5.6	27
26	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> , <b>2016</b> , 260, 232-242	5	24
25	Autophagy: New Insights into Mechanisms of Action and Resistance of Treatment in Acute Promyelocytic leukemia. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	20
24	Differential effects of N-TiO nanoparticle and its photo-activated form on autophagy and necroptosis in human melanoma A375 cells. <i>Journal of Cellular Physiology</i> , <b>2020</b> , 235, 8246-8259	7	18
23	GTP induces S-phase cell-cycle arrest and inhibits DNA synthesis in K562 cells but not in normal human peripheral lymphocytes. <i>BMB Reports</i> , <b>2006</b> , 39, 492-501	5.5	17
22	Bottom-up and green-synthesis route of amino functionalized graphene quantum dot as a novel biocompatible and label-free fluorescence probe for in vitro cellular imaging of human ACHN cell lines. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2019</b> , 251, 114452	3.1	15
21	3-Hydrogenkwadaphnin from <i>Dendrostellera lessertii</i> induces differentiation and apoptosis in HL-60 cells. <i>Planta Medica</i> , <b>2005</b> , 71, 1112-7	3.1	14
20	Nucleostemin depletion induces post-g1 arrest apoptosis in chronic myelogenous leukemia k562 cells. <i>Advanced Pharmaceutical Bulletin</i> , <b>2014</b> , 4, 55-60	4.5	12
19	TiO nanoparticles enhance the chemotherapeutic effects of 5-fluorouracil in human AGS gastric cancer cells via autophagy blockade. <i>Life Sciences</i> , <b>2020</b> , 248, 117466	6.8	11
18	Guanosine 5' triphosphate induces differentiation-dependent apoptosis in human leukemia U937 and KG1 cells. <i>Acta Pharmacologica Sinica</i> , <b>2006</b> , 27, 1175-84	8	10

17	Distinct MAPK signaling pathways, p21 up-regulation and caspase-mediated p21 cleavage establishes the fate of U937 cells exposed to 3-hydrogenkwadaphnin: differentiation versus apoptosis. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 230, 86-96	4.6	9
16	Potential toxicity of nanoparticles on the reproductive system animal models: A review. <i>Journal of Reproductive Immunology</i> , <b>2021</b> , 148, 103384	4.2	9
15	Nucleostemin knocking-down causes cell cycle arrest and apoptosis in human T-cell acute lymphoblastic leukemia MOLT-4 cells via p53 and p21Waf1/Cip1 up-regulation. <i>Hematology</i> , <b>2014</b> , 19, 455-62	2.2	8
14	The cytotoxic and anti-proliferative effects of 3-hydrogenkwadaphnin in K562 and jurkat cells is reduced by guanosine. <i>BMB Reports</i> , <b>2005</b> , 38, 391-8	5.5	8
13	Nucleostemin silencing induces differentiation and potentiates all-trans-retinoic acid effects in human acute promyelocytic leukemia NB4 cells via autophagy. <i>Leukemia Research</i> , <b>2017</b> , 63, 15-21	2.7	6
12	New insights on the role of autophagy in the pathogenesis and treatment of melanoma. <i>Molecular Biology Reports</i> , <b>2020</b> , 47, 9021-9032	2.8	6
11	Exploring the role of non-coding RNAs in autophagy. <i>Autophagy</i> , <b>2021</b> , 1-22	10.2	6
10	3-Hydrogenkwadaphnin induces monocytic differentiation and enhances retinoic acid-mediated granulocytic differentiation in NB4 cell line. <i>BMB Reports</i> , <b>2006</b> , 39, 722-9	5.5	5
9	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> , <b>2006</b> , 38, 477-83	2.8	4
8	Combination therapy with TiO nanoparticles and cisplatin enhances chemotherapy response in murine melanoma models. <i>Clinical and Translational Oncology</i> , <b>2021</b> , 23, 738-749	3.6	3
7	Effects of different autophagy inhibitors on sensitizing KG-1 and HL-60 leukemia cells to chemotherapy. <i>IUBMB Life</i> , <b>2021</b> , 73, 130-145	4.7	3
6	The Increased RNase Activity of IRE1 $\alpha$ in PBMCs from Patients with Rheumatoid Arthritis. <i>Advanced Pharmaceutical Bulletin</i> , <b>2019</b> , 9, 505-509	4.5	2
5	Different Concentrations of Titanium Dioxide Nanoparticles Induce Autophagy Followed by Growth Inhibition or Cell Death in A375 Melanoma Cells. <i>Journal of Skin and Stem Cell</i> , <b>2017</b> , In Press,	0.8	2
4	A bio-mimetic zinc/tau protein as an artificial catalase. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 92, 1307-1312	7.9	1
3	A siRNA-based method for efficient silencing of PYROXD1 gene expression in the colon cancer cell line HCT116. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 19310-19317	4.7	1
2	Retrodifferentiation: a potential strategy for stem cell therapy of leukemic patients. <i>Medical Hypotheses</i> , <b>2007</b> , 69, 1384-5	3.8	1
1	Modeling and structural analysis of human Guanine nucleotide-binding protein-like 3,nucleostemin. <i>Bioinformatics</i> , <b>2015</b> , 11, 353-8	1.1	1