

# Pooneh Mokarram

## List of Publications by Year in descending order

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Version: 2024-02-01

95  
papers

1,668  
citations

304743

22  
h-index

345221

36  
g-index

106  
all docs

106  
docs citations

106  
times ranked

2635  
citing authors

#	ARTICLE	IF	CITATIONS
1	Betulin and its derivatives as novel compounds with different pharmacological effects. <i>Biotechnology Advances</i> , 2020, 38, 107409.	11.7	158
2	Distinct High-Profile Methylated Genes in Colorectal Cancer. <i>PLoS ONE</i> , 2009, 4, e7012.	2.5	127
3	New frontiers in the treatment of colorectal cancer: Autophagy and the unfolded protein response as promising targets. <i>Autophagy</i> , 2017, 13, 781-819.	9.1	117
4	Impact of BRAF, MLH1 on the incidence of microsatellite instability high colorectal cancer in populations based study. <i>Molecular Cancer</i> , 2008, 7, 68.	19.2	70
5	Methylenetetrahydrofolate reductase C677T genotype affects promoter methylation of tumor-specific genes in sporadic colorectal cancer through an interaction with folate/vitamin B12 status. <i>World Journal of Gastroenterology</i> , 2008, 14, 3662.	3.3	58
6	Expression Levels of the BDNF Gene and Histone Modifications Around Its Promoters in the Ventral Tegmental Area and Locus Ceruleus of Rats During Forced Abstinence from Morphine. <i>Neurochemical Research</i> , 2012, 37, 1517-1523.	3.3	49
7	Statins in patients with COVID-19: a retrospective cohort study in Iranian COVID-19 patients. <i>Translational Medicine Communications</i> , 2021, 6, 3.	1.4	41
8	Simvastatin Induces Unfolded Protein Response and Enhances Temozolomide-Induced Cell Death in Glioblastoma Cells. <i>Cells</i> , 2020, 9, 2339.	4.1	40
9	High Frequency of Genes™ Promoter Methylation, but Lack of BRAF V600E Mutation among Iranian Colorectal Cancer Patients. <i>Pathology and Oncology Research</i> , 2011, 17, 819-825.	1.9	36
10	Enhancing autophagy in Alzheimer's disease through drug repositioning. , 2022, 237, 108171.		35
11	Epigenetic biomarkers in colorectal cancer: premises and prospects. <i>Biomarkers</i> , 2018, 23, 105-114.	1.9	34
12	The ER Stress/UPR Axis in Chronic Obstructive Pulmonary Disease and Idiopathic Pulmonary Fibrosis. <i>Life</i> , 2021, 11, 1.	2.4	34
13	Hypoglycemic Effect of Aquatic Extract of Stevia in Pancreas of Diabetic Rats: PPAR <sup>β</sup> -dependent Regulation or Antioxidant Potential. <i>Avicenna Journal of Medical Biotechnology</i> , 2016, 8, 65-74.	0.3	33
14	MTHFR C677T and A1298C variant genotypes and the risk of microsatellite instability among Iranian colorectal cancer patients. <i>Cancer Genetics and Cytogenetics</i> , 2010, 197, 142-151.	1.0	32
15	Auricular or body acupuncture: which one is more effective in reducing abdominal fat mass in Iranian men with obesity: a randomized clinical trial. <i>Journal of Diabetes and Metabolic Disorders</i> , 2014, 13, 92.	1.9	32
16	The role of radiation induced oxidative stress as a regulator of radio-adaptive responses. <i>International Journal of Radiation Biology</i> , 2020, 96, 561-576.	1.8	32
17	Magnetic Nanomaterials in Microfluidic Sensors for Virus Detection: A Review. <i>ACS Applied Nano Materials</i> , 2021, 4, 4307-4328.	5.0	31
18	Epigenetic and genetic analysis of WNT signaling pathway in sporadic colorectal cancer patients from Iran. <i>Molecular Biology Reports</i> , 2012, 39, 6171-6178.	2.3	30

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19	Effects of body electroacupuncture on plasma leptin concentrations in obese and overweight people in Iran: a randomized controlled trial. <i>Alternative Therapies in Health and Medicine</i> , 2013, 19, 24-31.	0.0	30
20	An Integrative CGH, MSI and Candidate Genes Methylation Analysis of Colorectal Tumors. <i>PLoS ONE</i> , 2014, 9, e82185.	2.5	29
21	Different patterns of DNA methylation of the two distinct O6-methylguanine-DNA methyltransferase (O6-MGMT) promoter regions in colorectal cancer. <i>Molecular Biology Reports</i> , 2013, 40, 3851-3857.	2.3	25
22	Autophagy, Unfolded Protein Response, and Neuropilin-1 Cross-Talk in SARS-CoV-2 Infection: What Can Be Learned from Other Coronaviruses. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5992.	4.1	25
23	Mechanisms Targeting the Unfolded Protein Response in Asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2021, 64, 29-38.	2.9	24
24	Targeted exome sequencing reveals distinct pathogenic variants in Iranians with colorectal cancer. <i>Oncotarget</i> , 2017, 8, 7852-7866.	1.8	24
25	Designing a Fusion Protein Vaccine Against HCV: An In Silico Approach. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 861-872.	1.9	22
26	Regulation of carcinoembryonic antigen release from colorectal cancer cells. <i>Molecular Biology Reports</i> , 2012, 39, 3695-3704.	2.3	21
27	Effects of Auricular Acupressure Combined with Low-Calorie Diet on the Leptin Hormone in Obese and Overweight Iranian Individuals. <i>Acupuncture in Medicine</i> , 2012, 30, 208-213.	1.0	20
28	Emerging Advances of Nanotechnology in Drug and Vaccine Delivery against Viral Associated Respiratory Infectious Diseases (VARID). <i>International Journal of Molecular Sciences</i> , 2021, 22, 6937.	4.1	20
29	Casein Kinase-1-Alpha Inhibitor (D4476) Sensitizes Microsatellite Instable Colorectal Cancer Cells to 5-Fluorouracil via Autophagy Flux Inhibition. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2021, 69, 26.	2.3	20
30	Interconnection of Estrogen/Testosterone Metabolism and Mevalonate Pathway in Breast and Prostate Cancers. <i>Current Molecular Pharmacology</i> , 2017, 10, 86-114.	1.5	20
31	Altered miR-21, miRNA-148a Expression in Relation to KRAS Mutation Status as Indicator of Adenoma-Carcinoma Transitional Pattern in Colorectal Adenoma and Carcinoma Lesions. <i>Biochemical Genetics</i> , 2019, 57, 767-780.	1.7	19
32	Effect of casein kinase 1 $\pm$ inhibition on autophagy flux and the AKT/phospho- $\beta$ -catenin (S552) axis in HCT116, a RAS-mutated colorectal cancer cell line. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021, 99, 284-293.	1.4	19
33	Novel biotechnology approaches in colorectal cancer diagnosis and therapy. <i>Biotechnology Letters</i> , 2017, 39, 785-803.	2.2	18
34	Methylation of Integrin $\beta$ 4 and E-Cadherin Genes in Human Prostate Cancer. <i>Pathology and Oncology Research</i> , 2015, 21, 921-927.	1.9	17
35	Microsatellite instability typing in serum and tissue of patients with colorectal cancer: comparing real time PCR with hybridization probe and high-performance liquid chromatography. <i>Molecular Biology Reports</i> , 2014, 41, 2835-2844.	2.3	15
36	The protective effect of <i>Stevia rebaudiana</i> Bertoni on serum hormone levels, key steroidogenesis enzymes, and testicular damage in testes of diabetic rats. <i>Acta Histochemica</i> , 2019, 121, 833-840.	1.8	15

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37	Oxidative stress-induced alterations in seminal plasma antioxidants: Is there any association with Keap1 gene methylation in human spermatozoa?. <i>Andrologia</i> , 2019, 51, e13159.	2.1	14
38	Altered ARID1A expression in colorectal cancer. <i>BMC Cancer</i> , 2020, 20, 350.	2.6	14
39	MGMT-B Gene Promoter Hypermethylation in Patients with Inflammatory Bowel Disease - A Novel Finding. <i>Asian Pacific Journal of Cancer Prevention</i> , 2015, 16, 1945-1952.	1.2	14
40	Promoter Methylation Status of Two Novel Human Genes, UBE2Q1 and UBE2Q2, in Colorectal Cancer: a New Finding in Iranian Patients. <i>Asian Pacific Journal of Cancer Prevention</i> , 2016, 16, 8247-8252.	1.2	13
41	Myocardial Cell Signaling During the Transition to Heart Failure. , 2018, 9, 75-125.		12
42	In silico Analysis of Different Signal Peptides for the Excretory Production of Recombinant NS3-GP96 Fusion Protein in Escherichia coli. <i>International Journal of Peptide Research and Therapeutics</i> , 2019, 25, 1279-1290.	1.9	12
43	Recombinant Nonstructural 3 Protein, rNS3, of Hepatitis C Virus Along With Recombinant GP96 Induce IL-12, TNF $\alpha$ and $\beta$ 5integrin Expression in Antigen Presenting Cells. <i>Hepatitis Monthly</i> , 2013, 13, e8104.	0.2	10
44	The effect of decitabine on the expression and methylation of the PPP1CA, BTG2, and PTEN in association with changes in miR-125b, miR-17, and miR-181b in NALM6 cell line. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 13156-13167.	2.6	10
45	Effect of the Aquatic Extract of Stevia on the Serum Level of Interleukin-6 in Streptozotocin-Nicotinamide Induced Diabetic Rats. <i>Shiraz E Medical Journal</i> , 2017, 18, .	0.3	10
46	Effects of platelet-rich plasma on the pancreatic islet survival and function, islet transplantation outcome and pancreatic pdx-1 and insulin gene expression in streptozotocin-induced diabetic rats. <i>Growth Factors</i> , 2020, 38, 137-151.	1.7	10
47	O6-Methylguanine-DNA Methyl Transferase (MGMT) Promoter Methylation in Serum DNA of Iranian Patients with Colorectal Cancer. <i>Asian Pacific Journal of Cancer Prevention</i> , 2018, 19, 1223-1227.	1.2	10
48	Optimization of RNA extraction from rat pancreatic tissue. <i>Iranian Journal of Medical Sciences</i> , 2014, 39, 282-8.	0.4	10
49	CME Article:The Acupuncture-Affected Gene Expressions and Epigenetic Modifications in Oxidative Stress-Associated Diseases. <i>Medical Acupuncture</i> , 2016, 28, 16-27.	0.6	9
50	BDNF Val66Met genetic variation and its plasma level in patients with morbid obesity: A case-control study. <i>Gene</i> , 2019, 705, 51-54.	2.2	9
51	A simple, rapid and economic manual method for human sperm DNA extraction in genetic and epigenetic studies. <i>Middle East Fertility Society Journal</i> , 2018, 23, 216-219.	1.5	8
52	A Comparison Between Cell, Protein and Peptide-Based Approaches for Selection of Nanobodies Against CD44 from a Synthetic Library. <i>Protein and Peptide Letters</i> , 2018, 25, 580-588.	0.9	8
53	PIWI interacting RNAs perspectives: a new avenues in future cancer investigations. <i>Bioengineered</i> , 2021, 12, 10401-10419.	3.2	8
54	DNMT3b -149C/T promoter variants and methylation of colorectal cancer-associated genes. <i>Cancer Biomarkers</i> , 2015, 15, 227-233.	1.7	7

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55	Sensitive and Noninvasive Detection of Aberrant SFRP2 and MGMT-B Methylation in Iranian Patients with Colon Polyps. <i>Asian Pacific Journal of Cancer Prevention</i> , 2016, 17, 2185-2193.	1.2	7
56	Competition of tamoxifen with thyroxine for TBG binding: ligand binding assay and computational data. <i>Clinical Biochemistry</i> , 2001, 34, 603-606.	1.9	6
57	CRISPR/Cas9 Technology as a Modern Genetic Manipulation Tool for Recapitulating of Neurodegenerative Disorders in Large Animal Models. <i>Current Gene Therapy</i> , 2021, 21, 130-148.	2.0	6
58	IFN- $\gamma$ and IL-2 Responses to Recombinant AlaDH against ESAT-6/CFP-10 Fusion Antigens in the Diagnosis of Latent versus Active Tuberculosis Infection. <i>Iranian Journal of Medical Sciences</i> , 2017, 42, 275-283.	0.4	6
59	Expression of $\alpha$ 2, $\alpha$ 5 and $\alpha$ 6 subunits of integrin in de-differentiated NIH3T3 cells by cell-free extract of embryonic stem cells. <i>Molecular Biology Reports</i> , 2012, 39, 7339-7346.	2.3	5
60	<i>Stevia rebaudiana</i> extract attenuate metabolic disorders in diabetic rats via modulation of glucose transport and antioxidant signaling pathways and aquaporin-2 expression in two extrahepatic tissues. <i>Journal of Food Biochemistry</i> , 2020, 44, e13252.	2.9	5
61	Vitamin D Receptor Gene Polymorphisms and the Risk of Metabolic Syndrome (MetS): A Meta-Analysis. <i>Endocrine, Metabolic and Immune Disorders - Drug Targets</i> , 2021, 21, 943-955.	1.2	5
62	The Role of Autophagy in Respiratory Complications of COVID-19. <i>Shiraz E Medical Journal</i> , 2020, 21, .	0.3	5
63	Induction of Epigenetic Alteration by CPUK02, An Ent-kaurenoid Derivative of Stevioside. <i>Avicenna Journal of Medical Biotechnology</i> , 2017, 9, 13-18.	0.3	5
64	Clinical characteristics, gastrointestinal manifestations and outcomes of COVID-19 patients in Iran; does the location matters?. <i>World Journal of Clinical Cases</i> , 2021, 9, 4654-4667.	0.8	4
65	ARID1A regulates E-cadherin expression in colorectal cancer cells: a promising candidate therapeutic target. <i>Molecular Biology Reports</i> , 2021, 48, 6749-6756.	2.3	4
66	The Effect of the Aquatic Extract of Stevia on the MDA Level and Catalase Activity in the Testicular Tissue of Streptozotocin-Nicotinamide-Induced Diabetic Rats. <i>Shiraz E Medical Journal</i> , 2018, In Press, .	0.3	4
67	9-cis-Retinoic Acid and 1,25-dihydroxy Vitamin D3 Improve the Differentiation of Neural Stem Cells into Oligodendrocytes through the Inhibition of the Notch and Wnt Signaling Pathways. <i>Iranian Journal of Medical Sciences</i> , 2018, 43, 523-532.	0.4	4
68	KRAS mutation and abnormal expression of Cripto-1 as two potential candidate biomarkers for detection of colorectal cancer development. <i>Journal of Cellular Biochemistry</i> , 2020, 121, 2901-2908.	2.6	3
69	The effects of 17 Beta-Estradiol primed mesenchymal stem cells on the biology of co-cultured neutrophil. <i>International Immunopharmacology</i> , 2020, 84, 106602.	3.8	3
70	Two Simple Methods for Optimizing the Production of "Difficult-to-Express" GnRH-DFF40 Chimeric Protein. <i>Advanced Pharmaceutical Bulletin</i> , 2019, 9, 423-431.	1.4	3
71	Easy detection of 5,10-methylenetetrahydrofolate reductase 1298A/C genotype by mutagenically separated PCR assay. <i>Clinical Chemistry and Laboratory Medicine</i> , 2008, 46, 987-9.	2.3	2
72	The effects of Electro Acupuncture on leptin hormone in Iranian obese and overweight subjects. <i>Clinical Biochemistry</i> , 2011, 44, S127-S128.	1.9	2

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73	Design and characterization of a recombinant immunotoxin for targeted therapy of breast cancer cells: In vitro and in silico analyses. <i>Life Sciences</i> , 2021, 265, 118866.	4.3	2
74	The Effect of Saffron Aquatic Extract and Crocin on the Differentiation of Neural Stem Cells Into Oligodendrocyte Precursor Cells. <i>Shiraz E Medical Journal</i> , 2018, In Press, .	0.3	2
75	Intronic Polymorphisms of the Fat Mass and Obesity-Associated (FTO) Gene in Association with Morbid Obesity in Southern Iran. <i>Shiraz E Medical Journal</i> , 2020, 21, .	0.3	2
76	Aqueous extract of <i>Stevia rebaudiana</i> (Bertoni) Bertoni abrogates death-related signaling pathways via boosting the expression profile of oxidative defense systems. <i>Journal of Food Biochemistry</i> , 2022, 46, e14151.	2.9	2
77	Epigenetic regulation of autophagy in coronavirus disease 2019 (COVID-19). <i>Biochemistry and Biophysics Reports</i> , 2022, 30, 101264.	1.3	2
78	T2090 CAN1 Gene Methylation Profile in African Americans with Colon Cancer and Adenoma, New Candidate Genes. <i>Gastroenterology</i> , 2008, 134, A-617.	1.3	1
79	Endoplasmic reticulum Metallo protease 1, a triggering factor for unfolded protein response and promising target in colorectal cancer. <i>Biologia (Poland)</i> , 2021, 76, 2403-2411.	1.5	1
80	In Silico Approach to Predict the SARS-COV2 Derived Candidate MiRNAs as a Potential Antiviral Therapy. <i>Current Drug Therapy</i> , 2021, 16, 364-380.	0.3	1
81	Methylation in Colorectal Cancer. , 2015, , 373-455.		1
82	DNA-Directed Methylation Analysis Methodology. <i>Journal of Advanced Medical Sciences and Applied Technologies</i> , 2016, 2, 220.	0.3	1
83	The Methylation Status of MGMT and SFRP2 Genes in Iranian Patients With Polyps. <i>Thrita</i> , 2015, 4, .	0.2	1
84	The Correlation Between Single Nucleotide Polymorphism Patterns and Colorectal Cancer in the Iranian Population. <i>Annals of Colorectal Research</i> , 2016, 4, .	0.1	1
85	Cloning, Expression and Purification of a Novel Fusion Protein Composed of Flagellin and NS5B of Hepatitis C Virus in <i>Escherichia coli</i> Host. <i>Shiraz E Medical Journal</i> , 2018, 20, .	0.3	1
86	Effect of CD44 Aptamer on Snail Metastasis Factor and Aggressiveness of MDA-MB-231 Breast Cancer Cell Line. <i>Shiraz E Medical Journal</i> , 2020, 21, .	0.3	1
87	Derivative of Stevioside; CPUK02; Restores ESRI Gene Methylation in MDA-MB 231. <i>Asian Pacific Journal of Cancer Prevention</i> , 2018, 19, 2117-2123.	1.2	1
88	Rapid and Cost-Effective RNA Extraction of Rat Pancreatic Tissue. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	1
89	The effects of auricular acupuncture on leptin hormone in Iranian obese and overweight subjects. <i>Clinical Biochemistry</i> , 2011, 44, S128.	1.9	0
90	Computer-based model within E2 conserved region of hepatitis C virus. <i>Clinical Biochemistry</i> , 2011, 44, S276.	1.9	0

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91	Expression levels of BDNF gene and epigenetic modifications of its promoters in the ventral tegmental area of morphine addicted rats. <i>Clinical Biochemistry</i> , 2011, 44, S284.	1.9	0
92	Study of vitamin D receptor gene methylation and the risk of gestational diabetes mellitus in Iranian pregnant women. <i>Gene Reports</i> , 2021, 22, 100978.	0.8	0
93	In silico analysis of Single Nucleotide Polymorphisms Associated with MicroRNA Regulating 5-fluorouracil resistance in colorectal cancer. <i>Letters in Drug Design and Discovery</i> , 2021, 18, .	0.7	0
94	Abstract 3930: Targeted cancer gene sequencing identifies potential causative novel candidate mutations among Caucasian colon carcinogenesis. , 2015, , .		0
95	Abstract 4384: Targeted sequencing reveals distinct and rare pathogenic variants in Caucasians with colorectal cancer. , 2017, , .		0