

Mohammad Amin Kerachian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7861/publications.pdf>

Version: 2024-02-01

76
papers

1,580
citations

331670

21
h-index

330143

37
g-index

87
all docs

87
docs citations

87
times ranked

2040
citing authors

#	ARTICLE	IF	CITATIONS
1	Glucocorticoids in osteonecrosis of the femoral head: A new understanding of the mechanisms of action. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009, 114, 121-128.	2.5	294
2	Avascular Necrosis of the Femoral Head: Vascular Hypotheses. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2006, 13, 237-244.	1.7	149
3	Obesity, diabetes and the risk of colorectal adenoma and cancer. <i>BMC Endocrine Disorders</i> , 2019, 19, 113.	2.2	65
4	CodingGNASMutations Leading to Hormone Resistance Impairin VitroAgonist- and Cholera Toxin-Induced Adenosine Cyclic 3'5'-Monophosphate Formation Mediated by Human XL α s. <i>Endocrinology</i> , 2006, 147, 2253-2262.	2.8	56
5	Integration analysis of long non-coding RNA (lncRNA) role in tumorigenesis of colon adenocarcinoma. <i>BMC Medical Genomics</i> , 2020, 13, 108.	1.5	52
6	Role of apoptosis in pathogenesis and treatment of bone-related diseases. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 15.	2.3	48
7	Role of aldo-keto reductase family 1 member B1 (AKR1B1) in the cancer process and its therapeutic potential. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 8890-8902.	3.6	48
8	New insights into the pathogenesis of glucocorticoid-induced avascular necrosis: microarray analysis of gene expression in a rat model. <i>Arthritis Research and Therapy</i> , 2010, 12, R124.	3.5	46
9	Long interspersed nucleotide element-1 (LINE-1) methylation in colorectal cancer. <i>Clinica Chimica Acta</i> , 2019, 488, 209-214.	1.1	44
10	Effect of high-dose dexamethasone on endothelial haemostatic gene expression and neutrophil adhesion. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009, 116, 127-133.	2.5	43
11	Parathyroid hormone signaling via $\text{G}\alpha$ s is selectively inhibited by an NH ₂ -terminally truncated $\text{G}\alpha$ s: Implications for pseudohypoparathyroidism. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 2473-2485.	2.8	39
12	Crosstalk between DNA methylation and gene expression in colorectal cancer, a potential plasma biomarker for tracing this tumor. <i>Scientific Reports</i> , 2020, 10, 2813.	3.3	38
13	Rising Rates of Colorectal Cancer among Younger Iranians: Is Diet to Blame?. <i>Current Oncology</i> , 2017, 24, 131-137.	2.2	36
14	The importance of stool DNA methylation in colorectal cancer diagnosis: A meta-analysis. <i>PLoS ONE</i> , 2018, 13, e0200735.	2.5	35
15	Avascular Necrosis of the Femoral Head: Are Any Genes Involved?. <i>Archives of Bone and Joint Surgery</i> , 2015, 3, 149-55.	0.2	34
16	Review: Diagnostic accuracy of PCR -based detection tests for <i>Helicobacter Pylori</i> in stool samples. <i>Helicobacter</i> , 2017, 22, e12444.	3.5	32
17	BMP3 promoter hypermethylation in plasma-derived cell-free DNA in colorectal cancer patients. <i>Genes and Genomics</i> , 2018, 40, 423-428.	1.4	32
18	Mechanisms of long non-coding RNA function in colorectal cancer tumorigenesis. <i>Asia-Pacific Journal of Clinical Oncology</i> , 2021, 17, 7-23.	1.1	32

#	ARTICLE	IF	CITATIONS
19	MicroRNA-499a-5p Promotes Differentiation of Human Bone Marrow-Derived Mesenchymal Stem Cells to Cardiomyocytes. <i>Applied Biochemistry and Biotechnology</i> , 2018, 186, 245-255.	2.9	26
20	Guidelines for pre-analytical conditions for assessing the methylation of circulating cell-free DNA. <i>Clinical Epigenetics</i> , 2021, 13, 193.	4.1	24
21	A rat model of early stage osteonecrosis induced by glucocorticoids. <i>Journal of Orthopaedic Surgery and Research</i> , 2011, 6, 62.	2.3	23
22	Cell free circulating tumor nucleic acids, a revolution in personalized cancer medicine. <i>Critical Reviews in Oncology/Hematology</i> , 2019, 144, 102827.	4.4	22
23	Detection of novel coronavirus (SARS-CoV-2) RNA in peripheral blood specimens. <i>Journal of Translational Medicine</i> , 2020, 18, 412.	4.4	19
24	Putative mechanism for apoptosis-inducing properties of crude saponin isolated from sea cucumber (<i>Holothuria leucospilota</i>) as an antioxidant compound. <i>Iranian Journal of Basic Medical Sciences</i> , 2015, 18, 180-7.	1.0	19
25	New insights into colorectal cancer screening and early detection tests. <i>Colorectal Cancer</i> , 2017, 6, 63-68.	0.8	18
26	Hemolytic and cytotoxic properties of saponin purified from <i>Holothuria leucospilota</i> sea cucumber. <i>Reports of Biochemistry and Molecular Biology</i> , 2014, 3, 43-50.	1.4	18
27	Common KRAS and NRAS gene mutations in sporadic colorectal cancer in Northeastern Iranian patients. <i>Current Problems in Cancer</i> , 2018, 42, 572-581.	2.0	17
28	Overexpression of MicroRNA-148b-3p stimulates osteogenesis of human bone marrow-derived mesenchymal stem cells: the role of MicroRNA-148b-3p in osteogenesis. <i>BMC Medical Genetics</i> , 2019, 20, 117.	2.1	17
29	CRISPR-based biosensing systems: a way to rapidly diagnose COVID-19. <i>Critical Reviews in Clinical Laboratory Sciences</i> , 2021, 58, 225-241.	6.1	17
30	Implantation of stem cells on synthetic or biological scaffolds: an overview of bone regeneration. <i>Biotechnology and Genetic Engineering Reviews</i> , 2021, 37, 238-268.	6.2	15
31	Cardiomyogenic differentiation of human adipose-derived mesenchymal stem cells transduced with Tbx20 encoding lentiviral vectors. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 6146-6153.	2.6	14
32	Simple and cost-effective laboratory methods to evaluate and validate cell-free DNA isolation. <i>BMC Research Notes</i> , 2018, 11, 757.	1.4	14
33	Effects of streptozotocin-induced type 1 maternal diabetes on PI3K/AKT signaling pathway in the hippocampus of rat neonates. <i>Journal of Receptor and Signal Transduction Research</i> , 2016, 36, 254-260.	2.5	11
34	DMRFusion: A differentially methylated region detection tool based on the ranked fusion method. <i>Genomics</i> , 2018, 110, 366-374.	2.9	11
35	Standardized <i>Sophora pachycarpa</i> Root Extract Enhances Osteogenic Differentiation in Adipose-derived Human Mesenchymal Stem Cells. <i>Phytotherapy Research</i> , 2017, 31, 792-800.	5.8	10
36	The effect of adrenocorticotrophic hormone on alpha ₂ macroglobulin in osteoblasts derived from human mesenchymal stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 4784-4790.	3.6	10

#	ARTICLE	IF	CITATIONS
37	The osteogenic differentiation stimulating activity of Sea cucumber methanolic crude extraction on rat bone marrow mesenchymal stem cells. Iranian Journal of Basic Medical Sciences, 2014, 17, 626-31.	1.0	10
38	Isolation and Characterization of Human Bone-Derived Endothelial Cells. Endothelium: Journal of Endothelial Cell Research, 2007, 14, 115-121.	1.7	9
39	Fusion transcript discovery using RNA sequencing in formalin-fixed paraffin-embedded specimen. Critical Reviews in Oncology/Hematology, 2021, 160, 103303.	4.4	9
40	Assessment of Bone Morphogenetic Protein 3 Methylation in Iranian Patients with Colorectal Cancer. Middle East Journal of Digestive Diseases, 2017, 9, 158-163.	0.4	9
41	Molecular Aspects of Co-morbidities in COVID-19 Infection. Archives of Bone and Joint Surgery, 2020, 8, 226-230.	0.2	9
42	Genetic profile of 17 Y-chromosome STR haplotypes in East of Iran. Forensic Science International: Genetics, 2015, 14, e6-e7.	3.1	7
43	Cardiogenic effects of characterized <i>Geum urbanum</i> extracts on adipose-derived human mesenchymal stem cells. Biochemistry and Cell Biology, 2018, 96, 610-618.	2.0	7
44	Expression of tumor pyruvate kinase M2 isoform in plasma and stool of patients with colorectal cancer or adenomatous polyps. BMC Gastroenterology, 2020, 20, 241.	2.0	7
45	Selective capture of plasma cell-free tumor DNA on magnetic beads: a sensitive and versatile tool for liquid biopsy. Cellular Oncology (Dordrecht), 2020, 43, 949-956.	4.4	7
46	MicroRNAs as Potential Diagnostic, Prognostic, and Predictive Biomarkers for Acute Graft-versus-Host Disease. Biology of Blood and Marrow Transplantation, 2019, 25, e375-e386.	2.0	6
47	A DNA methylation panel for high performance detection of colorectal cancer. Cancer Genetics, 2021, 252-253, 64-72.	0.4	6
48	Apoptosis inducing capacity of <i>Holothuria arenicola</i> in CT26 colon carcinoma cells in vitro and in vivo. Iranian Journal of Basic Medical Sciences, 2016, 19, 358-65.	1.0	6
49	Association of SMAD7 genetic markers and haplotypes with colorectal cancer risk. BMC Medical Genomics, 2022, 15, 8.	1.5	6
50	A novel large germ line deletion in adenomatous polyposis coli (<i>APC</i>) gene associated with familial adenomatous polyposis. Molecular Genetics & Genomic Medicine, 2018, 6, 1031-1040.	1.2	5
51	T-Box20 inhibits osteogenic differentiation in adipose-derived human mesenchymal stem cells: the role of T-Box20 on osteogenesis. Journal of Biological Research, 2019, 26, 8.	2.1	4
52	Circulating miR-455-3p, miR-5787, and miR-548a-3p as potential noninvasive biomarkers in the diagnosis of acute graft-versus-host disease: a validation study. Annals of Hematology, 2021, 100, 2621-2631.	1.8	4
53	Promoter Hypermethylation of the Eyes Absent 4 Gene is a Tumor-Specific Epigenetic Biomarker in Iranian Colorectal Cancer Patients. Acta Medica Iranica, 2018, 56, 21-27.	0.8	4
54	Association of MTHFR C677T variant genotype with serum folate and Vit B12 in Iranian patients with colorectal cancer or adenomatous polyps. BMC Medical Genomics, 2021, 14, 246.	1.5	3

#	ARTICLE	IF	CITATIONS
55	Transcriptional analysis of VEGF-D and TGF β 2 genes in MCF7 cells exposed to saponin isolated from <i>Holothuria leucospilota</i> (sea cucumber). <i>Reports of Biochemistry and Molecular Biology</i> , 2015, 4, 25-31.	1.4	3
56	Movento influences development of granulosa cells and ovarian follicles and FoxO1 and Vnn1 gene expression in BALB/c mice. <i>Iranian Journal of Basic Medical Sciences</i> , 2016, 19, 1209-1215.	1.0	3
57	Transduced Mesenchymal Stem Cells and Cardiomyogenic Differentiation. <i>Journal of Cell Signaling</i> , 2018, 03, .	0.3	2
58	Identification of missense and synonymous variants in Iranian patients suffering from autosomal dominant polycystic kidney disease. <i>BMC Nephrology</i> , 2020, 21, 408.	1.8	2
59	Isolation and Characterization of Exosomes Derived From Breast Cancer MDA-MB-231 Cell Line. <i>Gene, Cell and Tissue</i> , 2021, 8, .	0.2	2
60	Investigating the association between rs6983267 polymorphism and susceptibility to gastrointestinal cancers in Iranian population. <i>Molecular Biology Reports</i> , 2021, 48, 2273-2284.	2.3	2
61	Aberrantly methylated-differentially genes and pathways among Iranian patients with colorectal cancer. <i>Cancer Cell International</i> , 2021, 21, 346.	4.1	2
62	Long non-coding RNA AC087388.1 as a novel biomarker in colorectal cancer. <i>BMC Cancer</i> , 2022, 22, 196.	2.6	2
63	PLA2G6 gene mutation and infantile neuroaxonal degeneration; report of three cases from Iran.. <i>Iranian Journal of Basic Medical Sciences</i> , 2021, 24, 1190-1195.	1.0	2
64	MS-HRM protocol: a simple and low-cost approach for technical validation of next-generation methylation sequencing data. <i>Molecular Genetics and Genomics</i> , 0, , .	2.1	2
65	Oncogenic fusion transcript analysis identified ADAP1 β NOC4L, potentially associated with metastatic colorectal cancer. <i>Cancer Medicine</i> , 0, , .	2.8	2
66	Differential microRNAs expression in acute graft-versus-host disease as potential diagnostic biomarkers. <i>Bone Marrow Transplantation</i> , 2020, 55, 2339-2342.	2.4	1
67	Promoter Hypermethylation of the Eyes Absent 4 Gene Is a Tumor-Specific Epigenetic Biomarker in Iranian Colorectal Cancer Patients. <i>Acta Medica Iranica</i> , 0, , .	0.8	1
68	Aberrant SEPT9 methylation in plasma cell-free DNA of CRC patients. <i>Biomedical Research (Aligarh)</i> , Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.1	1
69	Multiplex-Polymerase Chain Reaction for Detecting Microdeletions in The Azoospermia Factor Region of Y Chromosome in Iranian Couples with Non-Obstructive Infertility and Recurrent Pregnancy Loss. <i>International Journal of Fertility & Sterility</i> , 2018, 11, 253-257.	0.2	1
70	Transcriptome analysis of colorectal cancer liver metastasis: The importance of long non-coding RNAs and fusion transcripts in the disease pathogenesis. <i>Molecular and Cellular Probes</i> , 2022, 63, 101816.	2.1	1
71	COMMUNITY PHARMACISTS β ™ ATTITUDES TOWARD COLLABORATION WITH PHYSICIANS. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , 2017, 9, 212.	0.3	0
72	Comparison the effect of movento, a chemical pesticide, with chitosan, a biologic pesticide, on female reproductive system in Balb/C mice. <i>Yaftah</i> , 2017, 3, 279-287.	0.2	0

#	ARTICLE	IF	CITATIONS
73	Epigenetic Inactivation of Protocadherin 10 by Methylation in Colorectal Cancer. Acta Medica Iranica, 0, , .	0.8	0
74	Could high serum folate be associated with adverse effects?. Iranian Journal of Basic Medical Sciences, 2020, 23, 1499-1500.	1.0	0
75	Noncoding RNAs in patients with colorectal cancer. , 2022, , 65-95.		0
76	A proposal to improve gene expression analysis. Clinical and Translational Discovery, 2022, 2, .	0.5	0