

Hani Mz Choudhry

List of Publications by Year in descending order

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Version: 2024-02-01

115
papers

4,789
citations

159573

30
h-index

123420

61
g-index

120
all docs

120
docs citations

120
times ranked

8282
citing authors

#	ARTICLE	IF	CITATIONS
1	ArchR is a scalable software package for integrative single-cell chromatin accessibility analysis. Nature Genetics, 2021, 53, 403-411.	21.4	610
2	Advances in Hypoxia-Inducible Factor Biology. Cell Metabolism, 2018, 27, 281-298.	16.2	571
3	Molecular Choreography of Acute Exercise. Cell, 2020, 181, 1112-1130.e16.	28.9	261
4	Tumor hypoxia induces nuclear paraspeckle formation through HIF-2 α dependent transcriptional activation of NEAT1 leading to cancer cell survival. Oncogene, 2015, 34, 4482-4490.	5.9	245
5	Extensive regulation of the non-coding transcriptome by hypoxia: role of HIF in releasing paused RNA pol2. EMBO Reports, 2014, 15, 70-76.	4.5	146
6	Inherent DNA binding specificities of the HIF-1 α and HIF-2 α transcription factors in chromatin. EMBO Reports, 2019, 20, .	4.5	143
7	Integrated analysis of microRNA and mRNA expression and association with HIF binding reveals the complexity of microRNA expression regulation under hypoxia. Molecular Cancer, 2014, 13, 28.	19.2	135
8	Carbon nanotube field-effect transistor (CNT-FET)-based biosensor for rapid detection of SARS-CoV-2 (COVID-19) surface spike protein S1. Bioelectrochemistry, 2022, 143, 107982.	4.6	117
9	Prospects of IL-2 in Cancer Immunotherapy. BioMed Research International, 2018, 2018, 1-7.	1.9	107
10	Thymoquinone synergizes gemcitabine anti-breast cancer activity via modulating its apoptotic and autophagic activities. Scientific Reports, 2018, 8, 11674.	3.3	97
11	Hypermethylation of CpG Islands and Shores around Specific MicroRNAs and Mirtrons Is Associated with the Phenotype and Presence of Bladder Cancer. Clinical Cancer Research, 2011, 17, 1287-1296.	7.0	96
12	The tumour hypoxia induced non-coding transcriptome. Molecular Aspects of Medicine, 2016, 47-48, 35-53.	6.4	96
13	Hypoxia-induced switch in SNAT2/SLC38A2 regulation generates endocrine resistance in breast cancer. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 12452-12461.	7.1	86
14	Comprehensive molecular biomarker identification in breast cancer brain metastases. Journal of Translational Medicine, 2017, 15, 269.	4.4	80
15	Signalling pathways in UHRF1-dependent regulation of tumor suppressor genes in cancer. Journal of Experimental and Clinical Cancer Research, 2016, 35, 174.	8.6	79
16	Joint single-cell DNA accessibility and protein epitope profiling reveals environmental regulation of epigenomic heterogeneity. Nature Communications, 2018, 9, 4590.	12.8	76
17	Fabrication, optimization, and characterization of umbelliferone β-D-galactopyranoside-loaded PLGA nanoparticles in treatment of hepatocellular carcinoma: in vitro and in vivo studies. International Journal of Nanomedicine, 2017, Volume 12, 6747-6758.	6.7	67
18	Acoustic and hybrid 3D-printed electrochemical biosensors for the real-time immunodetection of liver cancer cells (HepG2). Biosensors and Bioelectronics, 2017, 94, 500-506.	10.1	64

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19	Capture-Seq reveals preformed chromatin interactions between HIF-binding sites and distant promoters. <i>EMBO Reports</i> , 2016, 17, 1410-1421.	4.5	63
20	Origin, Potential Therapeutic Targets and Treatment for Coronavirus Disease (COVID-19). <i>Pathogens</i> , 2020, 9, 307.	2.8	62
21	Hypoxic regulation of the noncoding genome and NEAT1. <i>Briefings in Functional Genomics</i> , 2016, 15, 174-185.	2.7	46
22	Paclitaxel and naringenin-loaded solid lipid nanoparticles surface modified with cyclic peptides with improved tumor targeting ability in glioblastoma multiforme. <i>Biomedicine and Pharmacotherapy</i> , 2021, 138, 111461.	5.6	42
23	Middle East respiratory syndrome: pathogenesis and therapeutic developments. <i>Future Virology</i> , 2019, 14, 237-246.	1.8	41
24	p21Waf1/Cip1: its paradoxical effect in the regulation of breast cancer. <i>Breast Cancer</i> , 2019, 26, 131-137.	2.9	39
25	Investigating the pathogenic SNPs in BLM helicase and their biological consequences by computational approach. <i>Scientific Reports</i> , 2020, 10, 12377.	3.3	37
26	Integration of Transcriptome and Metabolome Provides Unique Insights to Pathways Associated With Obese Breast Cancer Patients. <i>Frontiers in Oncology</i> , 2020, 10, 804.	2.8	36
27	Computing disease-linked SOD1 mutations: deciphering protein stability and patient-phenotype relations. <i>Scientific Reports</i> , 2017, 7, 4678.	3.3	34
28	Roles of long non-coding RNAs in colorectal cancer tumorigenesis: A Review. <i>Molecular and Clinical Oncology</i> , 2019, 11, 167-172.	1.0	34
29	Hypoxia drives glucose transporter 3 expression through hypoxia-inducible transcription factor (HIF)-mediated induction of the long noncoding RNA NIC1. <i>Journal of Biological Chemistry</i> , 2020, 295, 4065-4078.	3.4	34
30	Multiple renal cancer susceptibility polymorphisms modulate the HIF pathway. <i>PLoS Genetics</i> , 2017, 13, e1006872.	3.5	34
31	Cationic Solid Lipid Nanoparticles of Resveratrol for Hepatocellular Carcinoma Treatment: Systematic Optimization, in vitro Characterization and Preclinical Investigation. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 9283-9299.	6.7	33
32	Detection of Pathogenic Variants With Germline Genetic Testing Using Deep Learning vs Standard Methods in Patients With Prostate Cancer and Melanoma. <i>JAMA - Journal of the American Medical Association</i> , 2020, 324, 1957.	7.4	33
33	Different conformational states of hen egg white lysozyme formed by exposure to the surfactant of sodium dodecyl benzenesulfonate. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 54-60.	7.5	31
34	Microneedles Drug Delivery Systems for Treatment of Cancer: A Recent Update. <i>Pharmaceutics</i> , 2020, 12, 1101.	4.5	31
35	Thymoquinone-Induced Reactivation of Tumor Suppressor Genes in Cancer Cells Involves Epigenetic Mechanisms. <i>Epigenetics Insights</i> , 2019, 12, 251686571983901.	2.0	29
36	Receptor-based targeting of engineered nanocarrier against solid tumors: Recent progress and challenges ahead. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2021, 1865, 129777.	2.4	28

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37	Prospective of nanoscale metal organic frameworks [NMOFs] for cancer therapy. <i>Seminars in Cancer Biology</i> , 2021, 69, 129-139.	9.6	27
38	Weighted gene co-expression network analysis of colorectal cancer liver metastasis genome sequencing data and screening of anti-metastasis drugs. <i>International Journal of Oncology</i> , 2016, 49, 1108-1118.	3.3	25
39	Allura red rapidly induces amyloid-like fibril formation in hen egg white lysozyme at physiological pH. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 297-305.	7.5	25
40	Thymoquinone challenges UHRF1 to commit auto-ubiquitination: a key event for apoptosis induction in cancer cells. <i>Oncotarget</i> , 2018, 9, 28599-28611.	1.8	25
41	Synthetic strigolactone analogues reveal anti-cancer activities on hepatocellular carcinoma cells. <i>Biorganic and Medicinal Chemistry Letters</i> , 2018, 28, 1077-1083.	2.2	23
42	Implications of COVID-19 on the Labor Market of Saudi Arabia: The Role of Universities for a Sustainable Workforce. <i>Sustainability</i> , 2020, 12, 7090.	3.2	23
43	Evaluation of Matrix Metalloproteinases, Cytokines and Their Potential Role in the Development of Ovarian Cancer. <i>PLoS ONE</i> , 2016, 11, e0167149.	2.5	22
44	A quercetin-based flavanoid (rutin) reverses amyloid fibrillation in β -lactoglobulin at pH 2.0 and 358 K. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 214, 40-48.	3.9	22
45	Epigenetic Regulation of MicroRNA Expression in Cancer. <i>Methods in Molecular Biology</i> , 2011, 676, 165-184.	0.9	21
46	Apolipoprotein B mRNA editing enzyme catalytic polypeptide-like family genes activation and regulation during tumorigenesis. <i>Cancer Science</i> , 2018, 109, 2375-2382.	3.9	20
47	The mevalonate precursor enzyme HMGS1 is a novel marker and key mediator of cancer stem cell enrichment in luminal and basal models of breast cancer. <i>PLoS ONE</i> , 2020, 15, e0236187.	2.5	20
48	Lipid/polymer-based nanocomplexes in nucleic acid delivery as cancer vaccines. <i>Drug Discovery Today</i> , 2021, 26, 1891-1903.	6.4	19
49	Recent advances in lipid-engineered multifunctional nanophytomedicines for cancer targeting. <i>Journal of Controlled Release</i> , 2021, 340, 48-59.	9.9	19
50	Remodelin, a N-acetyltransferase 10 (NAT10) inhibitor, alters mitochondrial lipid metabolism in cancer cells. <i>Journal of Cellular Biochemistry</i> , 2021, 122, 1936-1945.	2.6	19
51	Bio-Catalytic Structural Transformation of Anti-cancer Steroid, Drostanolone Enanthate with <i>Cephalosporium aphidicola</i> and <i>Fusarium lini</i> , and Cytotoxic Potential Evaluation of Its Metabolites against Certain Cancer Cell Lines. <i>Frontiers in Pharmacology</i> , 2017, 8, 900.	3.5	18
52	Iodine consumption and cognitive performance: Confirmation of adequate consumption. <i>Food Science and Nutrition</i> , 2018, 6, 1341-1351.	3.4	18
53	Long Noncoding RNAs as Prognostic Markers for Colorectal Cancer in Saudi Patients. <i>Genetic Testing and Molecular Biomarkers</i> , 2019, 23, 509-514.	0.7	18
54	Current Management Strategies in Breast Cancer by Targeting Key Altered Molecular Players. <i>Frontiers in Oncology</i> , 2016, 6, 45.	2.8	17

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55	Investigation of antioxidant and detoxifying capacities of some date cultivars (<i>Phoenix dactylifera</i> L.) irrigated with sewage water. <i>RSC Advances</i> , 2017, 7, 12953-12958.	3.6	17
56	Nanocolloidal lipidic carriers of olmesartan medoxomil surface-tailored with Concavalin-A for lectin receptor targeting. <i>Nanomedicine</i> , 2018, 13, 3107-3128.	3.3	17
57	Thymoquinone and Difluoromethylornithine (DFMO) Synergistically Induce Apoptosis of Human Acute T Lymphoblastic Leukemia Jurkat Cells Through the Modulation of Epigenetic Pathways. <i>Technology in Cancer Research and Treatment</i> , 2020, 19, 153303382094748.	1.9	17
58	Long non-coding RNA ESCCAL-1 promotes esophageal squamous cell carcinoma by down regulating the negative regulator of APOBEC3G. <i>Cancer Letters</i> , 2020, 493, 217-227.	7.2	17
59	Untargeted Metabolomics Identifies Key Metabolic Pathways Altered by Thymoquinone in Leukemic Cancer Cells. <i>Nutrients</i> , 2020, 12, 1792.	4.1	17
60	Structural insights of human N-acetyltransferase 10 and identification of its potential novel inhibitors. <i>Scientific Reports</i> , 2021, 11, 6051.	3.3	17
61	In-Silico Study of Immune System Associated Genes in Case of Type-2 Diabetes With Insulin Action and Resistance, and/or Obesity. <i>Frontiers in Endocrinology</i> , 2021, 12, 641888.	3.5	17
62	Role of hesperetin in LDL-receptor expression in hepatoma HepG2 cells. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 182.	3.7	16
63	Zika Virus Targeting by Screening Inhibitors against NS2B/NS3 Protease. <i>BioMed Research International</i> , 2019, 2019, 1-11.	1.9	15
64	The Microbiome and Its Implications in Cancer Immunotherapy. <i>Molecules</i> , 2021, 26, 206.	3.8	15
65	Targeting microRNA/UHRF1 pathways as a novel strategy for cancer therapy (Review). <i>Oncology Letters</i> , 2017, 15, 3-10.	1.8	14
66	POSSIBLE HYPOCHOLESTEROLEMIC EFFECT OF GINGER AND ROSEMARY OILS IN RATS. <i>Tropical Journal of Obstetrics and Gynaecology</i> , 2017, 14, 188-200.	0.3	14
67	Urolithin A and B Alter Cellular Metabolism and Induce Metabolites Associated with Apoptosis in Leukemic Cells. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5465.	4.1	14
68	Comparative study of extrapolative factors linked with oxidative injury and anti-inflammatory status in chronic kidney disease patients experiencing cardiovascular distress. <i>PLoS ONE</i> , 2017, 12, e0171561.	2.5	14
69	Structure-Activity Studies Reveal Scope for Optimisation of Ebselen-Type Inhibition of SARS-CoV-2 Main Protease. <i>ChemMedChem</i> , 2022, 17, e202100582.	3.2	14
70	Proproliferative function of adaptor protein GRB10 in prostate carcinoma. <i>FASEB Journal</i> , 2019, 33, 3198-3211.	0.5	13
71	Exome sequencing and metabolomic analysis of a chronic kidney disease and hearing loss patient family revealed RMND1 mutation induced sphingolipid metabolism defects. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 324-334.	3.8	13
72	Compound C, a Broad Kinase Inhibitor Alters Metabolic Fingerprinting of Extra Cellular Matrix Detached Cancer Cells. <i>Frontiers in Oncology</i> , 2021, 11, 612778.	2.8	13

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73	Systematic Development of Solid Lipid Nanoparticles of Abiraterone Acetate with Improved Oral Bioavailability and Anticancer Activity for Prostate Carcinoma Treatment. <i>ACS Omega</i> , 2022, 7, 16968-16979.	3.5	13
74	<i>Stachybotrys chartarum</i> —A Hidden Treasure: Secondary Metabolites, Bioactivities, and Biotechnological Relevance. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 504.	3.5	13
75	L-Asparaginase Isolated from <i>Phaseolus vulgaris</i> Seeds Exhibited Potent Anti-Acute Lymphoblastic Leukemia Effects In-Vitro and Low Immunogenic Properties In-Vivo. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 1008.	2.6	12
76	The KIP/CIP family members p21 ^{Waf1/Cip1} and p57 ^{Kip2} as diagnostic markers for breast cancer. <i>Cancer Biomarkers</i> , 2017, 18, 413-423.	1.7	12
77	Synthesis, screening and pro-apoptotic activity of novel acyl spermidine derivatives on human cancer cell lines. <i>Biomedicine and Pharmacotherapy</i> , 2017, 93, 190-201.	5.6	12
78	Identification of Deregulated Signaling Pathways in Jurkat Cells in Response to a Novel Acylspermidine Analogue-N4-Erucoyl Spermidine. <i>Epigenetics Insights</i> , 2018, 11, 251686571881454.	2.0	12
79	AKT Inhibition Modulates H3K4 Demethylase Levels in PTEN-Null Prostate Cancer. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 356-363.	4.1	11
80	Trehalose Restrains the Fibril Load towards β -Lactalbumin Aggregation and Halts Fibrillation in a Concentration-Dependent Manner. <i>Biomolecules</i> , 2021, 11, 414.	4.0	11
81	Prediction of Diabetes through Retinal Images Using Deep Neural Network. <i>Computational Intelligence and Neuroscience</i> , 2022, 2022, 1-6.	1.7	11
82	Comparative Analysis of the Impact of Urolithins on the Composition of the Gut Microbiota in Normal-Diet Fed Rats. <i>Nutrients</i> , 2021, 13, 3885.	4.1	10
83	Exosome-Mediated Response to Cancer Therapy: Modulation of Epigenetic Machinery. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6222.	4.1	10
84	Co-occurrence of RCC-susceptibility polymorphisms with HIF cis-acting sequences supports a pathway tuning model of cancer. <i>Scientific Reports</i> , 2019, 9, 18768.	3.3	9
85	Hispolon-Loaded Liquid Crystalline Nanoparticles: Development, Stability, In Vitro Delivery Profile, and Assessment of Hepatoprotective Activity in Hepatocellular Carcinoma. <i>ACS Omega</i> , 2022, 7, 9452-9464.	3.5	9
86	Implications of Isoprostanes and Matrix Metalloproteinase-7 Having Potential Role in the Development of Colorectal Cancer in Males. <i>Frontiers in Oncology</i> , 2018, 8, 205.	2.8	8
87	UCA1 Overexpression Promotes Hypoxic Breast Cancer Cell Proliferation and Inhibits Apoptosis via HIF-1 β Activation. <i>Journal of Oncology</i> , 2021, 2021, 1-8.	1.3	8
88	Venetoclax-Resistant MV4-11 Leukemic Cells Activate PI3K/AKT Pathway for Metabolic Reprogramming and Redox Adaptation for Survival. <i>Antioxidants</i> , 2022, 11, 461.	5.1	8
89	Strigolactones—A novel class of phytohormones as anti-cancer agents. <i>Journal of Pesticide Sciences</i> , 2018, 43, 168-172.	1.4	7
90	Targeting Post-Translational Modifications of the p73 Protein: A Promising Therapeutic Strategy for Tumors. <i>Cancers</i> , 2021, 13, 1916.	3.7	7

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91	High-throughput screening to identify potential inhibitors of the Z ^{1±} domain of the adenosine deaminase 1 (ADAR1). Saudi Journal of Biological Sciences, 2021, 28, 6297-6304.	3.8	6
92	A multidimensional integration analysis reveals potential bridging targets in the process of colorectal cancer liver metastasis. PLoS ONE, 2017, 12, e0178760.	2.5	6
93	The Histone H3K27me3 Demethylases KDM6A/B Resist Anoikis and Transcriptionally Regulate Stemness-Related Genes. Frontiers in Cell and Developmental Biology, 2022, 10, 780176.	3.7	6
94	Exosomal miRNAs as a Promising Source of Biomarkers in Colorectal Cancer Progression. International Journal of Molecular Sciences, 2022, 23, 4855.	4.1	6
95	A Novel Four-Way Complex Variant Translocation Involving Chromosome 46,XY,t(4;9;19;22)(q25;q34;p13.3;q11.2) in a Chronic Myeloid Leukemia Patient. Frontiers in Oncology, 2016, 6, 124.	2.8	5
96	Rhazyanine from <i>Rhazya stricta</i> Inhibits Metastasis and Induces Apoptosis by Downregulating Bcl-2 Gene in MCF7 Cell Line. Integrative Cancer Therapies, 2019, 18, 153473541880990.	2.0	5
97	Targeting Itch/p73 pathway by thymoquinone as a novel therapeutic strategy for cancers with p53 mutation. European Journal of Cell Science, 2020, 2, 20-26.	0.2	5
98	Gene Ontology and Expression Studies of Strigolactone Analogues on a Hepatocellular Carcinoma Cell Line. Analytical Cellular Pathology, 2019, 2019, 1-10.	1.4	4
99	A Study on the Effect of Vitamins A and C to Modulate the Expression of NKG2D Ligands in Hepatic and Colon Cancer Cells. Nutrition and Cancer, 2020, , 1-12.	2.0	3
100	Molecular profiling of epigenetic landscape of cancer cells during extracellular matrix detachment. Scientific Reports, 2021, 11, 2784.	3.3	3
101	Suppression of circulating <i>AP001429.1</i> long non-coding RNA in obese patients with breast cancer. Oncology Letters, 2021, 22, 508.	1.8	3
102	Upregulation of circular and linear METTL3 and USP3 in colorectal cancer. Oncology Letters, 2021, 22, 675.	1.8	3
103	Untargeted Metabolomics Showed Accumulation of One-Carbon Metabolites to Facilitate DNA Methylation during Extracellular Matrix Detachment of Cancer Cells. Metabolites, 2022, 12, 267.	2.9	3
104	<i>Balanites aegyptiaca</i> ; protection against proliferation of different cancer cell line. Tropical Journal of Obstetrics and Gynaecology, 2016, 13, 25.	0.3	2
105	Synthesis and in vitro antitumor activity of novel acylspermidine derivative N-(4-aminobutyl)-N-(3-aminopropyl)-8-hydroxy-dodecanamide (AAHD) against HepG2 cells. Bioorganic Chemistry, 2019, 88, 102937.	4.1	2
106	High Expression of Pd-1 in Circulating Cells of Patients With Advanced Colorectal Cancer Receiving Adjuvant Therapy. Technology in Cancer Research and Treatment, 2020, 19, 153303382096944.	1.9	2
107	Profiling the Effect of Targeting Wild Isocitrate Dehydrogenase 1 (IDH1) on the Cellular Metabolome of Leukemic Cells. International Journal of Molecular Sciences, 2022, 23, 6653.	4.1	2
108	Unlocking the complexity of hypoxia non-coding transcriptome landscape of breast cancer. BMC Genomics, 2014, 15, .	2.8	1

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109	Association of serum asymmetric dimethyl-arginine and troponin I levels as a risk of myocardial infarction in thalassemia. African Health Sciences, 2018, 18, 720.	0.7	1
110	Cationic self-nanoemulsifying formulations of tamoxifen with improved biopharmaceutical attributes and anticancer activity: Systematic development and evaluation. Journal of Molecular Liquids, 2020, 320, 114534.	4.9	1
111	Implications of prognostic variables in the assessment of autoimmunity in hepatitis C patients receiving interferon therapy. Bioinformation, 2016, 12, 131-134.	0.5	1
112	MODULATION OF CARCINOGEN-METABOLIZING ENZYME BY MADINAH MINT (Mentha spp) IN RAT LIVER. Tropical Journal of Obstetrics and Gynaecology, 2016, 13, 32-37.	0.3	0
113	POTENTIAL ADMINISTRATION OF LIPOIC ACID AND COENZYME Q AGAINST ADIPOGENESIS: TARGET FOR WEIGHT REDUCTION. Tropical Journal of Obstetrics and Gynaecology, 2016, 14, 272-277.	0.3	0
114	Next-Generation Sequencing in the Era of Cancer-Targeted Therapies: Towards the Personalised Medicine. , 2015, , 39-55.		0
115	The challenge for precision medicine: all tumor genomes are different and all cancer patients are different in their own way. Translational Cancer Research, 2016, 5, S847-S851.	1.0	0