

Heshu Rahman

List of Publications by Year in descending order

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Version: 2024-02-01

109
papers

3,566
citations

168829

31
h-index

169272

56
g-index

112
all docs

112
docs citations

112
times ranked

5235
citing authors

#	ARTICLE	IF	CITATIONS
1	Pediatric COVID-19 infection in Sulaimaniyah Governorate, Iraq. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2022, 43, 103199.	0.6	5
2	A comprehensive review of IL-26 to pave a new way for a profound understanding of the pathobiology of cancer, inflammatory diseases and infections. Immunology, 2022, 165, 44-60.	2.0	8
3	Kaempferol sensitizes tumor necrosis factor-related apoptosis-inducing ligand-resistance chronic myelogenous leukemia cells to apoptosis. Molecular Biology Reports, 2022, 49, 19-29.	1.0	6
4	Does CCL19 act as a double-edged sword in cancer development?. Clinical and Experimental Immunology, 2022, 207, 164-175.	1.1	28
5	Green Synthesis Palladium Nanoparticles Mediated by White Tea (Camellia sinensis) Extract with Antioxidant, Antibacterial, and Antiproliferative Activities Toward the Human Leukemia (MOLT-4) Cell Line [Retraction]. International Journal of Nanomedicine, 2022, Volume 17, 1227-1228.	3.3	1
6	Early Detection of Iron Overload Cardiomyopathy in Transfusion Dependent Thalassemia Patients in Sulaimaniyah City, Iraq. Therapeutics and Clinical Risk Management, 2022, Volume 18, 259-271.	0.9	0
7	A Review on the Antiviral Activity of Functional Foods Against COVID-19 and Viral Respiratory Tract Infections. International Journal of General Medicine, 2022, Volume 15, 4817-4835.	0.8	5
8	The sub-acute toxicity of kavalactone in rats: a study of the effect of oral doses and the mechanism of toxicity in combination with ethanol. Drug and Chemical Toxicology, 2022, , 1-9.	1.2	1
9	Various types of electrochemical biosensors for leukemia detection and therapeutic approaches. Analytical Biochemistry, 2022, 654, 114736.	1.1	47
10	Beneficial and toxicological aspects of zinc oxide nanoparticles in animals. Veterinary Medicine and Science, 2022, 8, 1769-1779.	0.6	18
11	Expression of proliferation-related genes in BM-MSC-treated ALL cells in hypoxia condition is regulated under the influence of epigenetic factors in-vitro. , 2022, 39, 88.		0
12	Misdiagnosis of COVID-19 infection before molecular confirmation in Sulaimaniyah City, Iraq. European Journal of Medical Research, 2022, 27, .	0.9	2
13	Correlation of SARS-CoV-2 infection severity with ABO blood groups and RhD antigen: a case-control study. Journal of International Medical Research, 2022, 50, 030006052211104.	0.4	1
14	Inner filter effect as a sensitive sensing platform for detection of nitrofurantoin using luminescent drug-based carbon nanodots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 244, 118835.	2.0	24
15	COVID-19 severity in relation to sociodemographics and vitamin D use. Open Medicine (Poland), 2021, 16, 591-609.	0.6	14
16	Renaissance of armored immune effector cells, CAR-NK cells, brings the higher hope for successful cancer therapy. Stem Cell Research and Therapy, 2021, 12, 200.	2.4	25
17	Any closer to successful therapy of multiple myeloma? CAR-T cell is a good reason for optimism. Stem Cell Research and Therapy, 2021, 12, 217.	2.4	14
18	Recombinant Human erythropoietin reduces viability of MCF-7 breast cancer cells from 3D culture without caspase activation. Saudi Journal of Biological Sciences, 2021, 28, 2549-2557.	1.8	1

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19	Mesenchymal stem/stromal cell-derived exosomes in regenerative medicine and cancer; overview of development, challenges, and opportunities. <i>Stem Cell Research and Therapy</i> , 2021, 12, 297.	2.4	76
20	The lethal internal face of the coronaviruses: Kidney tropism of the <scp>SARS</scp>, <scp>MERS</scp>, and <scp>COVID</scp>19 viruses. <i>IUBMB Life</i> , 2021, 73, 1005-1015.	1.5	10
21	CAR-NK Cell: A New Paradigm in Tumor Immunotherapy. <i>Frontiers in Oncology</i> , 2021, 11, 673276.	1.3	66
22	Preclinical Drug Discovery in Colorectal Cancer: A Focus on Natural Compounds. <i>Current Drug Targets</i> , 2021, 22, 977-997.	1.0	4
23	A Deep Insight Into CAR-T Cell Therapy in Non-Hodgkin Lymphoma: Application, Opportunities, and Future Directions. <i>Frontiers in Immunology</i> , 2021, 12, 681984.	2.2	32
24	CAR-engineered NK cells; a promising therapeutic option for treatment of hematological malignancies. <i>Stem Cell Research and Therapy</i> , 2021, 12, 374.	2.4	33
25	A deep insight into CRISPR/Cas9 application in CAR-T cell-based tumor immunotherapies. <i>Stem Cell Research and Therapy</i> , 2021, 12, 428.	2.4	63
26	CAR-NK cell in cancer immunotherapy; A promising frontier. <i>Cancer Science</i> , 2021, 112, 3427-3436.	1.7	87
27	Mesenchymal Stem/Stromal Cell-Based Delivery: A Rapidly Evolving Strategy for Cancer Therapy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 686453.	1.8	19
28	A paradigm shift in cell-free approach: the emerging role of MSCs-derived exosomes in regenerative medicine. <i>Journal of Translational Medicine</i> , 2021, 19, 302.	1.8	120
29	Novel CAR T therapy is a ray of hope in the treatment of seriously ill AML patients. <i>Stem Cell Research and Therapy</i> , 2021, 12, 465.	2.4	69
30	Recombinant human Erythropoietin enhanced the cytotoxic effects of tamoxifen toward the spheroid MCF-7 breast cancer cells. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 5214-5220.	1.8	4
31	Humoral immune mechanisms involved in protective and pathological immunity during COVID-19. <i>Human Immunology</i> , 2021, 82, 733-745.	1.2	47
32	Physicochemical characterization, cytotoxic effect and toxicity evaluation of nanostructured lipid carrier loaded with eucalyptol. <i>BMC Complementary Medicine and Therapies</i> , 2021, 21, 254.	1.2	13
33	A Severe Case of Falciparum Malaria, 10 Years After Malaria Eradication: A Case Report. <i>Yale Journal of Biology and Medicine</i> , 2021, 94, 277-284.	0.2	0
34	The Role of Janus Kinase/STAT3 Pathway in Hematologic Malignancies With an Emphasis on Epigenetics. <i>Frontiers in Genetics</i> , 2021, 12, 703883.	1.1	7
35	Recent Advancements on COVID-19: A Comprehensive Review. <i>International Journal of General Medicine</i> , 2021, Volume 14, 10351-10372.	0.8	7
36	Levels of cytokines and GADA in type I and II diabetic patients. <i>Primary Care Diabetes</i> , 2020, 14, 61-67.	0.9	7

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37	Effect of fetal bovine serum on erythropoietin receptor expression and viability of breast cancer cells. Saudi Journal of Biological Sciences, 2020, 27, 653-658.	1.8	2
38	The transmission modes and sources of COVID-19: A systematic review. International Journal of Surgery Open, 2020, 26, 125-136.	0.2	84
39	Wet cupping therapy ameliorates pain in patients with hyperlipidemia, hypertension, and diabetes: A controlled clinical study. International Journal of Surgery Open, 2020, 26, 10-15.	0.2	5
40	Anti-cancer effects of Vernonia amygdalina: A systematic review. Tropical Journal of Pharmaceutical Research, 2020, 19, 1775-1784.	0.2	2
41	Antileukemic Effect of Palladium Nanoparticles Mediated by White Tea (<i>Camellia sinensis</i>) Extract <i>In Vitro</i> and in WEHI-3B-Induced Leukemia <i>In Vivo</i> . Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-15.	0.5	1
42	An Overview of In Vitro, In Vivo, and Computational Techniques for Cancer-Associated Angiogenesis Studies. BioMed Research International, 2020, 2020, 1-14.	0.9	8
43	Hematology Reference Intervals for Healthy Adults of the City of Sulaymaniyah, Iraq. International Journal of General Medicine, 2020, Volume 13, 1249-1254.	0.8	4
44	Highly Luminescent and Biocompatible P and N Co-Doped Passivated Carbon Nanodots for the Sensitive and Selective Determination of Rifampicin Using the Inner Filter Effect. Materials, 2020, 13, 2275.	1.3	14
45	Antitumor and Anti-Metastatic Effects of Citral-Loaded Nanostructured Lipid Carrier in 4T1-Induced Breast Cancer Mouse Model. Molecules, 2020, 25, 2670.	1.7	29
46	Inner filter effect (IFE) as a simple and selective sensing platform for detection of tetracycline using milk-based nitrogen-doped carbon nanodots as fluorescence probe. Arabian Journal of Chemistry, 2020, 13, 5151-5159.	2.3	55
47	The strategy for controlling COVID-19 in Kurdistan Regional Government (KRG)/Iraq: Identification, epidemiology, transmission, treatment, and recovery. International Journal of Surgery Open, 2020, 25, 41-46.	0.2	14
48	Novel Drug Delivery Systems for Loading of Natural Plant Extracts and Their Biomedical Applications. International Journal of Nanomedicine, 2020, Volume 15, 2439-2483.	3.3	113
49	The Estimate of Cytokines and Fibroblast Growth Factors in Patients with Breast Cancer. Journal of Zankoy Sulaimani - Part A, 2020, 22, 9-16.	0.1	0
50	Molecular characterization and phylogenetic analysis of Fasciola species in sheep and goats in Sulaymaniyah Province, Northern Iraq. Journal of Zankoy Sulaimani - Part A, 2020, 22, 297-306.	0.1	2
51	Measuring inflammation in patients with allergic rhinitis using different biomarkers. Journal of Zankoy Sulaimani - Part A, 2020, 22, 231-238.	0.1	2
52	Biochemical and molecular identification with antimicrobial susceptibility of bacterial species isolated from organs and tissues of Alectoris chukar subspecies Kurdistanica. Journal of Zankoy Sulaimani - Part A, 2020, 22, 287-296.	0.1	0
53	Phytochemical analysis and hepatoprotective activity of Raphanus sativus var. sativus in Sprague-Dawley rats. Tropical Journal of Pharmaceutical Research, 2020, 19, 1745-1752.	0.2	0
54	Structural Characterization, Antimicrobial Activity, and <i>In Vitro</i> Cytotoxicity Effect of Black Seed Oil. Evidence-based Complementary and Alternative Medicine, 2019, 2019, 1-9.	0.5	49

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55	Preparation and Characterization of Self Nano-Emulsifying Drug Delivery System Loaded with Citral and Its Antiproliferative Effect on Colorectal Cells In Vitro. <i>Nanomaterials</i> , 2019, 9, 1028.	1.9	47
56	<p>Antiangiogenic properties of nanoparticles: a systematic review</p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 5135-5146.	3.3	41
57	In Vivo Anti-Tumor Effects of Citral on 4T1 Breast Cancer Cells via Induction of Apoptosis and Downregulation of Aldehyde Dehydrogenase Activity. <i>Molecules</i> , 2019, 24, 3241.	1.7	28
58	Epicatechin and scopoletinâ€rich <i>Morinda citrifolia</i> leaf ameliorated leukemia via antiâ€inflammatory, antiâ€angiogenesis, and apoptosis pathways in vitro and in vivo. <i>Journal of Food Biochemistry</i> , 2019, 43, e12868.	1.2	17
59	In vitro cytotoxicity and anticancer effects of citral nanostructured lipid carrier on MDA MBA-231 human breast cancer cells. <i>Scientific Reports</i> , 2019, 9, 1614.	1.6	72
60	Antiproliferative and antiangiogenic effects of zerumbone from <i>Zingiber zerumbet</i> L. Smith in sprague dawley rat model of hepatocellular carcinoma. <i>Pharmacognosy Magazine</i> , 2019, 15, 277.	0.3	4
61	Antioxidant and Oxidative Stress: A Mutual Interplay in Age-Related Diseases. <i>Frontiers in Pharmacology</i> , 2018, 9, 1162.	1.6	681
62	Zerumbone-Loaded Nanostructured Lipid Carrier Induces Apoptosis of Canine Mammary Adenocarcinoma Cells. <i>BioMed Research International</i> , 2018, 2018, 1-18.	0.9	17
63	Characterization and toxicity of citral incorporated with nanostructured lipid carrier. <i>PeerJ</i> , 2018, 6, e3916.	0.9	26
64	Medical and laboratory assessment for regular blood donors in Sulaimani Blood Bank, Iraq. <i>Patient Preference and Adherence</i> , 2018, Volume 12, 939-944.	0.8	6
65	Phytochemical analysis and antioxidant and anticancer activities of mastic gum resin from Pistacia atlantica subspecies <i>kurdica</i> . <i>OncoTargets and Therapy</i> , 2018, Volume 11, 4559-4572.	1.0	23
66	The efficacy and safety of Ginkgo biloba extract as an adjuvant in type 2 diabetes mellitus patients ineffectively managed with metformin: a double-blind, randomized, placebo-controlled trial. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 735-742.	2.0	37
67	Angiogenic Switches Play a Critical Progression in Cancer. <i>Journal of Angiotherapy</i> , 2018, 1, E048-E057.	0.1	1
68	Zerumbone Suppresses Angiogenesis in HepG2 Cells through Inhibition of Matrix Metalloproteinase-9, Vascular Endothelial Growth Factor, and Vascular Endothelial Growth Factor Receptor Expressions. <i>Pharmacognosy Magazine</i> , 2018, 13, S731-S736.	0.3	10
69	Hepatic immune response to environmental carcinogens. <i>Pharmacognosy Magazine</i> , 2018, 14, 548.	0.3	0
70	A Review of History, Definition, Classification, Source, Transmission, and Pathogenesis of Salmonella: A Model for Human Infection. <i>Journal of Zankoy Sulaimani - Part A</i> , 2018, 20, 11-20.	0.1	6
71	Green synthesis palladium nanoparticles mediated by white tea (Camellia sinensis) extract with antioxidant, antibacterial, and antiproliferative activities toward the human leukemia (MOLT-4) cell line. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 8841-8853.	3.3	72
72	<i>Morinda citrifolia</i> Leaf Extract Suppressed Metastatised Cancer Progression via EGFR and MAPK Pathways. <i>Planta Medica International Open</i> , 2017, 4, e8-e16.	0.3	5

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73	Salmonella Infection: The Common Cause of Human Food Poisoning. Progress in Bioscience and Bioengineering, 2017, 1, .	0.2	5
74	Advancements in the Therapy of Ebola Virus Disease. Pediatric Infectious Diseases Open Access, 2016, 01, .	0.0	0
75	Novel Gold Nanoparticles Reduced by Sargassum glaucescens: Preparation, Characterization and Anticancer Activity. Molecules, 2016, 21, 123.	1.7	44
76	Green synthesis, characterization, and anticancer activity of hyaluronan/zinc oxide nanocomposites. OncoTargets and Therapy, 2016, Volume 9, 4549-4559.	1.0	55
77	Lumpy Skin Disease. Reproductive Immunology Open Access, 2016, 01, .	0.1	18
78	Natural products against cancer angiogenesis. Tumor Biology, 2016, 37, 14513-14536.	0.8	76
79	Morinda citrifolia edible leaf extract enhanced immune response against lung cancer. Food and Function, 2016, 7, 741-751.	2.1	33
80	Endoplasmic reticulum stress-induced apoptotic pathway and mitochondrial dysregulation in HeLa cells treated with dichloromethane extract of Dillenia suffruticosa. Pharmacognosy Magazine, 2016, 12, 86.	0.3	3
81	Antihypercholesterolemic and antioxidant efficacies of zerumbone on the formation, development, and establishment of atherosclerosis in cholesterol-fed rabbits. Drug Design, Development and Therapy, 2015, 9, 4173.	2.0	12
82	Antileukemic effect of zerumbone-loaded nanostructured lipid carrier in WEHI-3B cell-induced murine leukemia model. International Journal of Nanomedicine, 2015, 10, 1649.	3.3	17
83	Cytotoxic Effects of Biosynthesized Zinc Oxide Nanoparticles on Murine Cell Lines. Evidence-based Complementary and Alternative Medicine, 2015, 2015, 1-11.	0.5	105
84	Apoptosis Induction in Human Leukemia Cell Lines by Gold Nanoparticles Synthesized Using the Green Biosynthetic Approach. Journal of Nanomaterials, 2015, 2015, 1-10.	1.5	20
85	Nanostructured lipid carrier improved in vivo anti-tumor and immunomodulatory effect of Zerumbone in 4T1 challenged mice. RSC Advances, 2015, 5, 22066-22074.	1.7	24
86	Induction of pluripotency in human umbilical cord mesenchymal stem cells in feeder layer-free condition. Tissue and Cell, 2015, 47, 575-582.	1.0	6
87	Dentatin from Clausena excavata Induces Apoptosis in HepG2 Cells via Mitochondrial Mediated Signaling. Asian Pacific Journal of Cancer Prevention, 2015, 16, 4311-4316.	0.5	11
88	Zerumbone-loaded nanostructured lipid carrier induces G2/M cell cycle arrest and apoptosis via mitochondrial pathway in a human lymphoblastic leukemia cell line. International Journal of Nanomedicine, 2014, 9, 527.	3.3	55
89	Hypocholesterolemic Activity of <i>Monascus</i> Fermented Product in the Absence of Monacolins with Partial Purification for Functional Food Applications. Scientific World Journal, The, 2014, 2014, 1-12.	0.8	4
90	Zerumbone Induces G2/M Cell Cycle Arrest and Apoptosis via Mitochondrial Pathway in Jurkat cell Line. Natural Product Communications, 2014, 9, 1934578X1400900.	0.2	6

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91	Comparison of Apoptotic Inducing Effect of Zerumbone and Zerumbone-Loaded Nanostructured Lipid Carrier on Human Mammary Adenocarcinoma MDA-MB-231 Cell Line. <i>Journal of Nanomaterials</i> , 2014, 2014, 1-10.	1.5	6
92	Biomedical Properties of a Natural Dietary Plant Metabolite, Zerumbone, in Cancer Therapy and Chemoprevention Trials. <i>BioMed Research International</i> , 2014, 2014, 1-20.	0.9	73
93	Acute Toxicity Study of Zerumbone-Loaded Nanostructured Lipid Carrier on BALB/c Mice Model. <i>BioMed Research International</i> , 2014, 2014, 1-15.	0.9	40
94	Brewersâ€™ rice induces apoptosis in azoxymethane-induced colon carcinogenesis in rats via suppression of cell proliferation and the Wnt signaling pathway. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 304.	3.7	16
95	Cytotoxic effect of magnetic iron oxide nanoparticles synthesized via seaweed aqueous extract. <i>International Journal of Nanomedicine</i> , 2014, 9, 2479.	3.3	198
96	Potential Use of Plant Fibres and their Composites for Biomedical Applications. <i>BioResources</i> , 2014, 9, .	0.5	64
97	Induction of selective cytotoxicity and apoptosis in human T4-lymphoblastoid cell line (CEMss) by boesenbergin a isolated from boesenbergia rotunda rhizomes involves mitochondrial pathway, activation of caspase 3 and G2/M phase cell cycle arrest. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 41.	3.7	35
98	Antioxidant, Antiproliferative, and Antiangiogenesis Effects of Polyphenol-Rich Seaweed (<i>Sargassum muticum</i>). <i>BioMed Research International</i> , 2013, 2013, 1-9.	0.9	123
99	Inclusion Complex of Zerumbone with Hydroxypropyl- β -Cyclodextrin Induces Apoptosis in Liver Hepatocellular HepG2 Cells via Caspase 8/BID Cleavage Switch and Modulating Bcl2/Bax Ratio. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-16.	0.5	19
100	A Phenylbutenoid Dimer, <i>cis</i>-3-(3,4-Dimethoxyphenyl)-4-[(<i>E</i>)-3,4,4-Dimethoxystyryl] Cyclohex-1-ene, Exhibits Apoptogenic Properties in T-Acute Lymphoblastic Leukemia Cells via Induction of p53-Independent Mitochondrial Signalling Pathway. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013, 2013, 1-14.	0.5	22
101	Biomedical Properties of Edible Seaweed in Cancer Therapy and Chemoprevention Trials: A Review. <i>Natural Product Communications</i> , 2013, 8, 1934578X1300801.	0.2	9
102	Zerumbone-loaded nanostructured lipid carriers: preparation, characterization, and antileukemic effect. <i>International Journal of Nanomedicine</i> , 2013, 8, 2769.	3.3	112
103	Zerumbone in Combination with Curcumin FOR Probable Treatment in Liver Cancer. <i>The Open Conference Proceedings Journal</i> , 2013, 4, 171-171.	0.6	0
104	Zerumbone, a Natural Dietary Sesquiterpene from Zingiber Zerumbet for Leukaemia Therapy In Vitro. <i>The Open Conference Proceedings Journal</i> , 2013, 4, 67-67.	0.6	0
105	Green Synthesis of Gold Nanoparticles (GNP) using Seaweed Extract and its Anticancer Effect. <i>The Open Conference Proceedings Journal</i> , 2013, 4, 74-74.	0.6	1
106	Phytochemical analysis and augmentation of pulmonary adenocarcinoma in BALB/c mice model treated with flaxseed oil. <i>Frontiers in Pharmacology</i> , 0, 9, .	1.6	0
107	The Role of Natural Dietary Products in Nanomedicine. , 0, , .		0
108	Prospective quantitative gene expression analysis of kallikrein-related peptidase <i>KLK10</i> as a diagnostic biomarker for childhood acute lymphoblastic leukemia. <i>PeerJ</i> , 0, 10, e13489.	0.9	0

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109	Antileukemic Effect of Zerumbone-Loaded Nanostructured Lipid Carrier in WEHI-3B Cell-Induced Murine Leukemia Model [Retraction]. International Journal of Nanomedicine, 0, Volume 17, 2557-2558.	3.3	0