

Md Asaduzzaman Khan

List of Publications by Year in descending order

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109
papers

3,799
citations

201674

27
h-index

138484

58
g-index

111
all docs

111
docs citations

111
times ranked

5533
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Reactive Oxygen Species in Cancer Progression: Molecular Mechanisms and Recent Advancements. <i>Biomolecules</i> , 2019, 9, 735.	4.0	759
2	Epithelial to mesenchymal transition inducing transcription factors and metastatic cancer. <i>Tumor Biology</i> , 2014, 35, 7335-7342.	1.8	225
3	Twist: a molecular target in cancer therapeutics. <i>Tumor Biology</i> , 2013, 34, 2497-2506.	1.8	171
4	Thymoquinone, as an anticancer molecule: from basic research to clinical investigation. <i>Oncotarget</i> , 2017, 8, 51907-51919.	1.8	165
5	Antioxidant enzymes and cancer. <i>Chinese Journal of Cancer Research: Official Journal of China Anti-Cancer Association, Beijing Institute for Cancer Research</i> , 2010, 22, 87-92.	2.2	139
6	Anticancer Activities of <i>Nigella sativa</i> (Black Cumin). <i>Tropical Journal of Obstetrics and Gynaecology</i> , 2011, 8, 226-32.	0.3	122
7	Nutritional Analysis of Cultivated Mushrooms in Bangladesh -<i>Pleurotus ostreatus</i>,<i>Pleurotus sajor-caju</i>,<i>Pleurotus florida</i>and<i>Calocybe indica</i>. <i>Mycobiology</i> , 2008, 36, 228.	1.7	121
8	Thymoquinone inhibits cancer metastasis by downregulating TWIST1 expression to reduce epithelial to mesenchymal transition. <i>Oncotarget</i> , 2015, 6, 19580-19591.	1.8	118
9	Molecular mechanisms of action of hesperidin in cancer: Recent trends and advancements. <i>Experimental Biology and Medicine</i> , 2020, 245, 486-497.	2.4	115
10	Nutritional and Medicinal Importance of<i>Pleurotus</i> Mushrooms: An Overview. <i>Food Reviews International</i> , 2012, 28, 313-329.	8.4	113
11	Regulatory Effects of Resveratrol on Antioxidant Enzymes: a Mechanism of Growth Inhibition and Apoptosis Induction in Cancer Cells. <i>Molecules and Cells</i> , 2013, 35, 219-225.	2.6	104
12	Hericium erinaceus: an edible mushroom with medicinal values. <i>Journal of Complementary and Integrative Medicine</i> , 2013, 10, .	0.9	101
13	MicroRNA-34a targets epithelial to mesenchymal transition-inducing transcription factors (EMT-TFs) and inhibits breast cancer cell migration and invasion. <i>Oncotarget</i> , 2017, 8, 21362-21379.	1.8	97
14	Association of Lipid Metabolism with Ovarian Cancer. <i>Current Oncology</i> , 2010, 17, 6-11.	2.2	70
15	Cultivation of different strains of king oyster mushroom (<i>Pleurotus eryngii</i>) on saw dust and rice straw in Bangladesh. <i>Saudi Journal of Biological Sciences</i> , 2010, 17, 341-345.	3.8	67
16	Thymoquinone Inhibits the Migration and Invasive Characteristics of Cervical Cancer Cells SiHa and CaSki In Vitro by Targeting Epithelial to Mesenchymal Transition Associated Transcription Factors Twist1 and Zeb1. <i>Molecules</i> , 2017, 22, 2105.	3.8	55
17	Epigenetic role of thymoquinone: impact on cellular mechanism and cancer therapeutics. <i>Drug Discovery Today</i> , 2019, 24, 2315-2322.	6.4	51
18	Tripartite motif containing 28 (TRIM28) promotes breast cancer metastasis by stabilizing TWIST1 protein. <i>Scientific Reports</i> , 2016, 6, 29822.	3.3	50

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19	Molecular cloning and development of RAPD-SCAR markers for <i>Dimocarpus longan</i> variety authentication. SpringerPlus, 2013, 2, 501.	1.2	47
20	Comparative Effects of Oyster Mushrooms on Lipid Profile, Liver and Kidney Function in Hypercholesterolemic Rats. Mycobiology, 2009, 37, 37.	1.7	46
21	Popular molecular markers in bacteria. Molecular Genetics, Microbiology and Virology, 2012, 27, 103-107.	0.3	43
22	Genetic characterization and authentication of <i>Lonicera japonica</i> Thunb. by using improved RAPD analysis. Molecular Biology Reports, 2013, 40, 5993-5999.	2.3	43
23	Effects of different levels of wheat bran, rice bran and maize powder supplementation with saw dust on the production of shiitake mushroom (<i>Lentinus edodes</i> (Berk.) Singer). Saudi Journal of Biological Sciences, 2011, 18, 323-328.	3.8	42
24	Genetic polymorphisms of metabolic enzymes CYP1A1, CYP2D6, GSTM1, and GSTT1, and gastric carcinoma susceptibility. Tumor Biology, 2011, 32, 215-222.	1.8	37
25	Development and significance of RAPD-SCAR markers for the identification of <i>Litchi chinensis</i> Sonn. by improved RAPD amplification and molecular cloning. Electronic Journal of Biotechnology, 2015, 18, 35-39.	2.2	35
26	Cordycepin in Anticancer Research: Molecular Mechanism of Therapeutic Effects. Current Medicinal Chemistry, 2020, 27, 983-996.	2.4	35
27	Genetic identification and molecular modeling characterization reveal a novel <i>PROM1</i> mutation in Stargardt4-like macular dystrophy. Oncotarget, 2018, 9, 122-141.	1.8	32
28	Efficiency of improved RAPD and ISSR markers in assessing genetic diversity and relationships in <i>Angelica sinensis</i> (Oliv.) Diels varieties of China. Electronic Journal of Biotechnology, 2015, 18, 96-102.	2.2	27
29	Potential risk of weed outbreak by increasing biochar's application rates in slow-growth legume, lentil (<i>Lens culinaris</i> Medik.). Journal of the Science of Food and Agriculture, 2018, 98, 2080-2088.	3.5	27
30	Cordyceps Mushroom: A Potent Anticancer Nutraceutical. The Open Nutraceuticals Journal, 2010, 3, 179-183.	0.2	26
31	Genetic analysis of litchi (<i>Litchi chinensis</i> Sonn.) in southern China by improved random amplified polymorphic DNA (RAPD) and inter-simple sequence repeat (ISSR). Molecular Biology Reports, 2015, 42, 159-166.	2.3	25
32	Autotaxin: A protein with two faces. Biochemical and Biophysical Research Communications, 2010, 401, 493-497.	2.1	24
33	Anti-cancer potential of South Asian plants. Natural Products and Bioprospecting, 2013, 3, 74-88.	4.3	24
34	Polymorphisms of DNA repair genes XPD, XRCC1, and OGG1, and lung adenocarcinoma susceptibility in Chinese population. Tumor Biology, 2013, 34, 2843-2848.	1.8	23
35	Targeting kinases with thymoquinone: a molecular approach to cancer therapeutics. Drug Discovery Today, 2020, 25, 2294-2306.	6.4	22
36	Development of RAPD-SCAR markers for <i>Lonicera japonica</i> Thunb. (Caprifolicaceae) variety authentication by improved RAPD and DNA cloning. Revista De Biologia Tropical, 2014, 62, 1649.	0.4	22

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37	Gallic Acid: A Dietary Polyphenol that Exhibits Anti-neoplastic Activities by Modulating Multiple Oncogenic Targets. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2022, 22, 499-514.	1.7	21
38	Production of Oyster Mushrooms in Different Seasonal Conditions of Bangladesh. <i>Journal of Scientific Research</i> , 2010, 3, 161.	0.3	20
39	Development of RAPD-SCAR markers for different <i>Ganoderma</i> species authentication by improved RAPD amplification and molecular cloning. <i>Genetics and Molecular Research</i> , 2015, 14, 5667-5676.	0.2	20
40	Defective antioxidant systems in cervical cancer. <i>Tumor Biology</i> , 2013, 34, 2003-2009.	1.8	19
41	Identification of a novel germline BRCA2 variant in a Chinese breast cancer family. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 1676-1683.	3.6	19
42	Cordycepin Downregulates Cdk-2 to Interfere with Cell Cycle and Increases Apoptosis by Generating ROS in Cervical Cancer Cells: in vitro and in silico Study. <i>Current Cancer Drug Targets</i> , 2019, 19, 152-159.	1.6	19
43	A novel splicing mutation in the <i>PRPH2</i> gene causes autosomal dominant retinitis pigmentosa in a Chinese pedigree. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 3776-3780.	3.6	18
44	ISG15 Inhibits IFN- λ -Resistant Liver Cancer Cell Growth. <i>BioMed Research International</i> , 2013, 2013, 1-8.	1.9	17
45	Thymoquinone in autoimmune diseases: Therapeutic potential and molecular mechanisms. <i>Biomedicine and Pharmacotherapy</i> , 2021, 134, 111157.	5.6	17
46	Stem Cell Transplantation in the Treatment of Type 1 Diabetes Mellitus: From Insulin Replacement to Beta-Cell Replacement. <i>Frontiers in Endocrinology</i> , 2022, 13, 859638.	3.5	17
47	LPS/TLR4 Pathways in Breast Cancer: Insights into Cell Signalling. <i>Current Medicinal Chemistry</i> , 2022, 29, 2274-2289.	2.4	16
48	Targeting Inflammatory Mediators: An Anticancer Mechanism of Thymoquinone Action. <i>Current Medicinal Chemistry</i> , 2020, 28, 80-92.	2.4	16
49	Molecular mechanisms underlying chemopreventive potential of butein: Current trends and future perspectives. <i>Chemico-Biological Interactions</i> , 2021, 350, 109699.	4.0	16
50	Genotyping of <i>Ganoderma</i> species by improved random amplified polymorphic DNA (RAPD) and inter-simple sequence repeat (ISSR) analysis. <i>Biochemical Systematics and Ecology</i> , 2014, 56, 40-48.	1.3	15
51	A review on <i>Pomoea carnea</i> : pharmacology, toxicology and phytochemistry. <i>Journal of Complementary and Integrative Medicine</i> , 2014, 11, 55-62.	0.9	14
52	Identification of an IKK β inhibitor for inhibition of inflammation in vivo and in vitro. <i>Pharmacological Research</i> , 2019, 149, 104440.	7.1	14
53	Assessing 23 Y-STR loci mutation rates in Chinese Han father-son pairs from southwestern China. <i>Molecular Biology Reports</i> , 2020, 47, 7755-7760.	2.3	13
54	SCAR marker for identification and discrimination of specific medicinal <i>Lycium chinense</i> Miller from <i>Lycium</i> species from ramp-PCR RAPD fragments. <i>3 Biotech</i> , 2020, 10, 334.	2.2	13

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55	Targeted Next-Generation Sequencing Identified Novel Compound Heterozygous Variants in the CDH23 Gene Causing Usher Syndrome Type ID in a Chinese Patient. <i>Frontiers in Genetics</i> , 2020, 11, 422.	2.3	13
56	Recent advances in animal model experimentation in autism research. <i>Acta Neuropsychiatrica</i> , 2014, 26, 264-271.	2.1	12
57	Identification of a Novel Heterozygous Missense Mutation in the <i>CACNA1F</i> Gene in a Chinese Family with Retinitis Pigmentosa by Next Generation Sequencing. <i>BioMed Research International</i> , 2015, 2015, 1-7.	1.9	12
58	Evaluation of PIK3CA mutations as a biomarker in Chinese breast carcinomas from Western China. <i>Cancer Biomarkers</i> , 2017, 19, 85-92.	1.7	12
59	Biological Role of AKT and Regulation of AKT Signaling Pathway by Thymoquinone: Perspectives in Cancer Therapeutics. <i>Mini-Reviews in Medicinal Chemistry</i> , 2021, 21, 288-301.	2.4	12
60	Pleurotus sajor-caju and Pleurotus florida Mushrooms Improve Some Extent of the Antioxidant Systems in the Liver of Hypercholesterolemic Rats. <i>The Open Nutraceuticals Journal</i> , 2011, 4, 20-24.	0.2	12
61	Genetic mutations of p53 and k-ras in gastric carcinoma patients from Hunan, China. <i>Tumor Biology</i> , 2011, 32, 367-373.	1.8	10
62	Genetic analysis of <i>Penthorum chinense</i> Pursh by improved RAPD and ISSR in China. <i>Electronic Journal of Biotechnology</i> , 2017, 30, 6-11.	2.2	10
63	Targeting the signalling pathways regulated by deubiquitinases for prostate cancer therapeutics. <i>Cell Biochemistry and Function</i> , 2019, 37, 304-319.	2.9	10
64	Novel splicing variant c. 208+2T>C in BBS5 segregates with Bardet-Biedl syndrome in an Iranian family by targeted exome sequencing. <i>Bioscience Reports</i> , 2019, 39, .	2.4	10
65	Knowledge, attitudes, and preventive practices toward the COVID-19 pandemic: an online survey among Bangladeshi residents. <i>Zeitschrift Fur Gesundheitswissenschaften</i> , 2023, 31, 1121-1135.	1.6	10
66	DNA fingerprints of living fossil <i>Ginkgo biloba</i> by using ISSR and improved RAPD analysis. <i>Biochemical Systematics and Ecology</i> , 2014, 57, 332-337.	1.3	9
67	Optimal phosphotungstate concentration for polypyrrole linear actuation and energy storage. <i>Multifunctional Materials</i> , 2018, 1, 014003.	3.7	9
68	Synergistic Role of Thymoquinone on Anticancer Activity of 5-Fluorouracil in Triple Negative Breast Cancer Cells. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2022, 22, 1111-1118.	1.7	9
69	Gold Nanoparticles in Triple-Negative Breast Cancer Therapeutics. <i>Current Medicinal Chemistry</i> , 2023, 30, 316-334.	2.4	9
70	Evaluation of amplification refractory mutation system (ARMS) technique for quick and accurate prenatal gene diagnosis of <i>CHM</i> variant in choroideremia. <i>The Application of Clinical Genetics</i> , 2018, Volume 11, 1-8.	3.0	8
71	Current Landscape of Natural Products against Coronaviruses: Perspectives in COVID-19 Treatment and Anti-viral Mechanism. <i>Current Pharmaceutical Design</i> , 2020, 26, 5241-5260.	1.9	8
72	Development of SCAR Markers Based on Improved RAPD Amplification Fragments and Molecular Cloning for Authentication of Herbal Medicines <i>Angelica sinensis</i> , <i>Angelica acutiloba</i> and <i>Levisticum officinale</i> . <i>Natural Product Communications</i> , 2015, 10, 1934578X1501001.	0.5	7

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73	Molecular mechanism of inhibitory effects of melatonin on prostate cancer cell proliferation, migration and invasion. PLoS ONE, 2022, 17, e0261341.	2.5	7
74	CYP2A6, CYP1A1, and CYP2D6 polymorphisms in lung cancer patients from Central South China. Medical Oncology, 2013, 30, 521.	2.5	6
75	Characterization and molecular cloning of novel isoforms of human spermatogenesis associated gene SPATA3. Molecular Biology Reports, 2019, 46, 3827-3834.	2.3	5
76	Anti-oxidant and Anticancerous Effect of Fomitopsis officinalis (Vill. ex Fr. Bond. et Sing) Mushroom on Hepatocellular Carcinoma Cells In Vitro through NF- κ B Pathway. Anti-Cancer Agents in Medicinal Chemistry, 2022, 22, 1561-1570.	1.7	5
77	Analysis of genetic diversity and similarities between different Lycium varieties based on ISSR analysis and RAMP-PCR markers. World Academy of Sciences Journal, 0, .	0.6	5
78	Anti-oxidant and Antiproliferative Activities of Mongolian Medicinal Plant Extracts and Structure Isolation of Gnetin-H Compound. Medicinal Chemistry, 2021, 17, 963-973.	1.5	5
79	Antioxidative potential of <i>Duranta repens</i> (Linn.) fruits against H ₂ O ₂ induced cell death <i>in vitro</i> . Tropical Journal of Obstetrics and Gynaecology, 2013, 10, .	0.3	4
80	Relationship between SPOP mutation and breast cancer in Chinese population. Genetics and Molecular Research, 2015, 14, 12362-12366.	0.2	4
81	An improved DNA marker technique for genetic characterization using RAMP-PCR with high-GC primers. Genetics and Molecular Research, 2016, 15, .	0.2	4
82	Short Communication: Rapid and accurate genetic authentication of <i>Penthorum chinense</i> by improved RAPD-derived species-specific SCAR markers. Biodiversitas, 2017, 18, 1243-1249.	0.6	4
83	Genetic authentication of <i>Eclipta prostrata</i> (Asteraceae) from <i>Penthorum chinense</i> (Penthoraceae) by Sequence Characterized Amplified Region (SCAR) markers. Revista De Biologia Tropical, 2020, 68, .	0.4	4
84	Production of cellulase by <i>Pleurotus ostreatus</i> and <i>Pleurotus sajor-caju</i> in solid state fermentation of lignocellulosic biomass. Turk Tarim Ve Ormancilik Dergisi/Turkish Journal of Agriculture and Forestry, 0, .	2.1	4
85	Development of two novel specific SCAR markers by cloning improved RAPD fragments from the medicinal mushroom <i>Ganoderma lucidium</i> (Leysser: Fr) Karst. Genetics and Molecular Research, 2016, 15, .	0.2	4
86	Thymoquinone upregulates IL17RD in controlling the growth and metastasis of triple negative breast cancer cells <i>in vitro</i> . BMC Cancer, 2022, 22, .	2.6	4
87	Novel compound heterozygous nonsense variants, p.L150* and p.Y3565*, of the USH2A gene in a Chinese pedigree are associated with Usher syndrome type 2IIA. Molecular Medicine Reports, 2020, 22, 3464-3472.	2.4	3
88	A review on the genetic polymorphisms and susceptibility of cancer patients in Bangladesh. Molecular Biology Reports, 2022, , 1.	2.3	3
89	Identification of heptapeptides interacting with IFN- α -sensitive CML cells. Expert Opinion on Investigational Drugs, 2011, 20, 1583-1589.	4.1	2
90	Actuation increase in polypyrrole bilayer by photo-activated dopants. Synthetic Metals, 2018, 246, 57-63.	3.9	2

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91	Abstract 5009: Thymoquinone downregulates n-cadherin, twist and snail expression and inhibits migration and invasion in cancer cells. , 2014, , .		2
92	Establishment of stable cell line for inducing KAP1 protein expression. Acta Biologica Hungarica, 2015, 66, 161-168.	0.7	1
93	Acute cigarette smoke exposure induces oxidative damage and inflammation in Wistar rats: impact on lungs and erythrocytes. African Journal of Biological Sciences, 2021, 3, 120-128.	0.2	1
94	Viral Diseases and Natural Products: Prospects in COVID-19 Treatment (Part II). Current Pharmaceutical Design, 2021, 27, 1121-1122.	1.9	1
95	Abstract 3834: Epigenetic modification of oncogenes or tumor suppressor genes by thymoquinone in triple negative breast cancer. , 2019, , .		1
96	Establishment and rapid detection of a heterozygous missense mutation in the CACNA1F gene by ARMS technique with double-base mismatched primers. Genetics and Molecular Research, 2015, 14, 11480-11487.	0.2	1
97	Abstract 2039: Cordycepin inhibits breast cancer migration and invasion by targeting epithelial to mesenchymal transition-inducing transcription factors (EMT-TFs). Cancer Research, 2018, 78, 2039-2039.	0.9	1
98	Viral Diseases and Natural Products: Prospects in COVID-19 Treatment (Part-I). Current Pharmaceutical Design, 2020, 26, 5221-5223.	1.9	1
99	Major drugs used in COVID-19 treatment: molecular mechanisms, validation and current progress in trials. Coronaviruses, 2020, 01, .	0.3	1
100	Apoptotic Cell Death: Important Cellular Process as Chemotherapeutic Target. , 2020, , 65-88.		1
101	Thymoquinone against infectious diseases: Perspectives in recent pandemics and future therapeutics. Iranian Journal of Basic Medical Sciences, 2021, 24, 1014-1022.	1.0	1
102	Viral Diseases and Natural Products: Prospects in COVID-19 Treatment (Part IV). Current Pharmaceutical Design, 2021, 27, 3501-3501.	1.9	0
103	Viral Diseases and Natural Products: Prospects in COVID-19 Treatment (Part III). Current Pharmaceutical Design, 2021, 27, 3423-3423.	1.9	0
104	Abstract 1997: Resveratrol modifies the activity and expression of antioxidant enzymes in somatic cancer cells. , 2012, , .		0
105	Abstract 1978: Relationship between transcription factor TWIST1 and microRNA34a in metastatic cancer cells. , 2015, , .		0
106	Epigenetics in Triple-Negative Breast Cancer. , 2020, , 71-105.		0
107	Editorial: Molecular Targeted Therapy in Oncology: Lessons From Pharmacogenetics and Pharmacoepigenetics. Frontiers in Molecular Biosciences, 2022, 9, 822188.	3.5	0
108	Black Cumin in Fighting with Coronaviruses. The Open Covid Journal, 2021, 1, 189-190.	0.2	0

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109	Targeting Cellular Signalling Pathways in Cancer by Natural Compounds. Current Medicinal Chemistry, 2021, 28, 7986-7987.	2.4	0