

# Shabana I Khan

## List of Publications by Year in descending order

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98  
papers

2,230  
citations

201674

27  
h-index

265206

42  
g-index

99  
all docs

99  
docs citations

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times ranked

3405  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of Total Phenolic and Flavonoid Content, Antioxidant Properties, and Yield of Aeroponically and Conventionally Grown Leafy Vegetables and Fruit Crops: A Comparative Study. Evidence-based Complementary and Alternative Medicine, 2014, 2014, 1-9.	1.2	277
2	Novel 4-Aminoquinoline-Pyrimidine Based Hybrids with Improved in Vitro and in Vivo Antimalarial Activity. ACS Medicinal Chemistry Letters, 2012, 3, 555-559.	2.8	121
3	Constituents of Nelumbo nucifera leaves and their antimalarial and antifungal activity. Phytochemistry Letters, 2008, 1, 89-93.	1.2	72
4	4-Aminoquinoline-Pyrimidine hybrids: Synthesis, antimalarial activity, heme binding and docking studies. European Journal of Medicinal Chemistry, 2015, 89, 490-502.	5.5	72
5	Novel pyrazolopyrimidine derivatives targeting COXs and iNOS enzymes; design, synthesis and biological evaluation as potential anti-inflammatory agents. European Journal of Pharmaceutical Sciences, 2014, 62, 197-211.	4.0	66
6	Synthesis, QSAR and anticandidal evaluation of 1,2,3-triazoles derived from naturally bioactive scaffolds. European Journal of Medicinal Chemistry, 2015, 93, 246-254.	5.5	63
7	Evaluation of In Vitro Absorption, Distribution, Metabolism, and Excretion (ADME) Properties of Mitragynine, 7-Hydroxymitragynine, and Mitraphylline. Planta Medica, 2014, 80, 568-576.	1.3	61
8	Nonsteroidal anti-inflammatory drug activated gene-1 (NAG-1) modulators from natural products as anti-cancer agents. Life Sciences, 2014, 100, 75-84.	4.3	56
9	Potential utility of natural products as regulators of breast cancer-associated aromatase promoters. Reproductive Biology and Endocrinology, 2011, 9, 91.	3.3	55
10	Unequivocal determination of caulamidines A and B: application and validation of new tools in the structure elucidation tool box. Chemical Science, 2018, 9, 307-314.	7.4	55
11	The anticancer potential of steroidal saponin, dioscin, isolated from wild yam (Dioscorea villosa) root extract in invasive human breast cancer cell line MDA-MB-231 in vitro. Archives of Biochemistry and Biophysics, 2016, 591, 98-110.	3.0	52
12	Synthesis, antimalarial and antitubercular activities of meridianin derivatives. European Journal of Medicinal Chemistry, 2015, 98, 160-169.	5.5	47
13	Synthesis, antileishmanial and antitrypanosomal activities of N-substituted tetrahydro- $\beta$ -carbolines. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3247-3250.	2.2	46
14	Cytotoxic monacolins from red yeast rice, a Chinese medicine and food. Food Chemistry, 2016, 202, 262-268.	8.2	37
15	Meridianin G and its analogs as antimalarial agents. MedChemComm, 2013, 4, 1042.	3.4	36
16	Synthesis, antimalarial, antileishmanial, antimicrobial, cytotoxicity, and methemoglobin (MetHB) formation activities of new 8-quinolinamines. Bioorganic and Medicinal Chemistry, 2007, 15, 915-930.	3.0	35
17	Discovery of a Membrane-Active, Ring-Modified Histidine Containing Ultrashort Amphiphilic Peptide That Exhibits Potent Inhibition of <i>Cryptococcus neoformans</i> . Journal of Medicinal Chemistry, 2017, 60, 6607-6621.	6.4	35
18	A review on phytochemicals, pharmacological activities, drug interactions, and associated toxicities of licorice ( <i>Glycyrrhiza</i> sp.). Food Frontiers, 2021, 2, 449-485.	7.4	35

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19	Discovery of Short Peptides Exhibiting High Potency against <i>Cryptococcus neoformans</i> . ACS Medicinal Chemistry Letters, 2014, 5, 315-320.	2.8	34
20	PXR mediated induction of CYP3A4, CYP1A2, and P-gp by <i>Mitragyna speciosa</i> and its alkaloids. Phytotherapy Research, 2017, 31, 1935-1945.	5.8	33
21	A multicomponent reaction to design antimalarial pyridyl-indole derivatives: Synthesis, biological activities and molecular docking. Bioorganic Chemistry, 2020, 97, 103673.	4.1	33
22	Safety Assessment of Phytochemicals Derived from the Globalized South African Rooibos Tea ( <i>Aspalathus linearis</i> ) through Interaction with CYP, PXR, and P-gp. Journal of Agricultural and Food Chemistry, 2019, 67, 4967-4975.	5.2	32
23	Characterization and Synthesis of Eudistidine C, a Bioactive Marine Alkaloid with an Intriguing Molecular Scaffold. Journal of Organic Chemistry, 2016, 81, 10631-10640.	3.2	30
24	PPAR Modulating Polyketides from a Chinese <i>Plakortis simplex</i> and Clues on the Origin of Their Chemodiversity. Journal of Organic Chemistry, 2016, 81, 5135-5143.	3.2	30
25	Transport of Parthenolide across Human Intestinal Cells (Caco-2). Planta Medica, 2003, 69, 1009-1012.	1.3	29
26	Antimicrobial, Antiparasitic and Cytotoxic Spermine Alkaloids from <i>Albizia Schimperiana</i> . Natural Product Communications, 2009, 4, 1934578X0900400.	0.5	28
27	In Vitro Antiplasmodial Activity of Benzophenones and Xanthenes from Edible Fruits of <i>Garcinia</i> Species. Planta Medica, 2014, 80, 676-681.	1.3	28
28	Metabolism of primaquine in normal human volunteers: investigation of phase I and phase II metabolites from plasma and urine using ultra-high performance liquid chromatography-quadrupole time-of-flight mass spectrometry. Malaria Journal, 2018, 17, 294.	2.3	28
29	Biological evaluation of phytoconstituents from <i>Polygonum hydropiper</i> . Natural Product Research, 2017, 31, 2053-2057.	1.8	27
30	Synthesis of piperazine tethered 4-aminoquinoline-pyrimidine hybrids as potent antimalarial agents. RSC Advances, 2014, 4, 20729-20736.	3.6	23
31	Design, synthesis and biological evaluation of bivalent benzoxazolone and benzothiazolone ligands as potential anti-inflammatory/analgesic agents. Bioorganic and Medicinal Chemistry, 2015, 23, 3248-3259.	3.0	23
32	Synthesis and antimicrobial activities of His(2-aryl)-Arg and Trp-His(2-aryl) classes of dipeptidomimetics. MedChemComm, 2014, 5, 671-676.	3.4	22
33	Evaluation of drug interaction potential of <i>Labisia pumila</i> (Kacip Fatimah) and its constituents. Frontiers in Pharmacology, 2014, 5, 178.	3.5	21
34	Anti-inflammatory Activity of Constituents Isolated from <i>Terminalia chebula</i> . Natural Product Communications, 2014, 9, 1934578X1400900.	0.5	20
35	Enantioselective Pharmacokinetics of Primaquine in Healthy Human Volunteers. Drug Metabolism and Disposition, 2015, 43, 571-577.	3.3	20
36	Two New Flavonoids from <i>Retama raetam</i> . Helvetica Chimica Acta, 2015, 98, 561-568.	1.6	20

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37	Both Phenolic and Non-phenolic Green Tea Fractions Inhibit Migration of Cancer Cells. <i>Frontiers in Pharmacology</i> , 2016, 7, 398.	3.5	20
38	Modified histidine containing amphipathic ultrashort antifungal peptide, His[2-p-(n-butyl)phenyl]-Trp-Arg-OMe exhibits potent anticryptococcal activity. <i>European Journal of Medicinal Chemistry</i> , 2021, 223, 113635.	5.5	20
39	Antimicrobial and Antiparasitic Abietane Diterpenoids from the Roots of <i>Clerodendrum eriophyllum</i> . <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	19
40	Synthesis and Antimalarial Activity Evaluation of Tetraoxane-Triazine Hybrids and Spiro[piperidine-tetraoxanes]. <i>Helvetica Chimica Acta</i> , 2012, 95, 1181-1197.	1.6	19
41	Differential kinetic profiles and metabolism of primaquine enantiomers by human hepatocytes. <i>Malaria Journal</i> , 2016, 15, 224.	2.3	19
42	Screening of Medicinal Plants for PPAR $\alpha$ and PPAR $\beta$ Activation and Evaluation of Their Effects on Glucose Uptake and 3T3-L1 Adipogenesis. <i>Planta Medica</i> , 2013, 79, 1084-1095.	1.3	18
43	Extended side chain analogues of 8-aminoquinolines: Synthesis and evaluation of antiprotozoal, antimicrobial, $\beta$ -hematin inhibition, and cytotoxic activities. <i>MedChemComm</i> , 2011, 2, 300.	3.4	17
44	Evaluation of PPAR $\alpha$ activation by known blueberry constituents. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 1666-1671.	3.5	17
45	New ent-Clerodane and Abietane Diterpenoids from the Roots of Kenyan <i>Croton megalocarpoides</i> Friis & M. Gilbert. <i>Planta Medica</i> , 2016, 82, 1079-1086.	1.3	17
46	Cytotoxic steroidal saponins from <i>Panicum turgidum</i> Forssk. <i>Steroids</i> , 2017, 125, 14-19.	1.8	15
47	Isolation, synthesis, and drug interaction potential of secondary metabolites derived from the leaves of miracle tree ( <i>Moringa oleifera</i> ) against CYP3A4 and CYP2D6 isozymes. <i>Phytomedicine</i> , 2019, 60, 153010.	5.3	15
48	Phytochemical, Antimicrobial and Antiplasmodial Investigations of. <i>Natural Product Communications</i> , 2013, 8, 761-764.	0.5	15
49	Synthesis, stability and mechanistic studies of potent anticryptococcal hexapeptides. <i>European Journal of Medicinal Chemistry</i> , 2017, 132, 192-203.	5.5	14
50	Iridoid and phenylpropanoid glycosides from the roots of <i>Lantana montevidensis</i> . <i>Medicinal Chemistry Research</i> , 2017, 26, 1117-1126.	2.4	14
51	Phytochemical, Antiplasmodial, Cytotoxic and Antimicrobial Evaluation of a Southeast Brazilian Brown Propolis Produced by <i>Apis mellifera</i> Bees. <i>Chemistry and Biodiversity</i> , 2021, 18, e2100288.	2.1	14
52	Synthetically modified l-histidine-rich peptidomimetics exhibit potent activity against <i>Cryptococcus neoformans</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3150-3154.	2.2	13
53	Benzophenone glycosides from the flower buds of <i>Aquilaria sinensis</i> . <i>F<math>\ddot{A}</math>-totera p<math>\ddot{A}</math>-<math>\ddot{A}</math>c</i> , 2017, 121, 170-174.	2.2	13
54	Modulation of CYP3A4 and CYP2C9 activity by <i>Bulbine natalensis</i> and its constituents: An assessment of HDI risk of <i>B. natalensis</i> containing supplements. <i>Phytomedicine</i> , 2021, 81, 153416.	5.3	13

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55	Evaluation of three medicinal plant extracts against <i>Plasmodium falciparum</i> and selected microorganisms. <i>Tropical Journal of Obstetrics and Gynaecology</i> , 2014, 11, 142.	0.3	12
56	Bioactivity-Guided Isolation of Potential Antidiabetic and Antihyperlipidemic Compounds from <i>Trigonella stellata</i> . <i>Journal of Natural Products</i> , 2018, 81, 1154-1161.	3.0	12
57	Phytochemical, Antimicrobial and Antiplasmodial Investigations of <i>Terminalia brownii</i> . <i>Natural Product Communications</i> , 2013, 8, 1934578X1300800.	0.5	10
58	PPAR $\alpha$ and $\beta$ Activation Effects of New Nor-triterpenoidal Saponins from the Aerial Parts of <i>Anabasis articulata</i> . <i>Planta Medica</i> , 2019, 85, 274-281.	1.3	10
59	Antimalarials and Phytotoxins from <i>Botryosphaeria dothidea</i> Identified from a Seed of Diseased <i>Torreya taxifolia</i> . <i>Molecules</i> , 2021, 26, 59.	3.8	10
60	Chemical Composition and Biological Evaluation of the Essential Oil of <i>Commiphora opobalsamum</i> L. <i>Journal of Herbs, Spices and Medicinal Plants</i> , 2008, 13, 111-121.	1.1	9
61	Synthesis and Biological Evaluation of 8-Quinolinamines and Their Amino Acid Conjugates as Broad-Spectrum Anti-infectives. <i>ACS Omega</i> , 2018, 3, 3060-3075.	3.5	9
62	Bioactive (+)-Manzamine A and (+)-8-Hydroxymanzamine A Tertiary Bases and Salts from <i>Acanthostrongylophora Ingens</i> and Their Preparations. <i>Natural Product Communications</i> , 2009, 4, 1934578X0900400.	0.5	8
63	Gene expression profiling and pathway analysis data in MCF-7 and MDA-MB-231 human breast cancer cell lines treated with dioscin. <i>Data in Brief</i> , 2016, 8, 272-279.	1.0	8
64	Antimalarial and Antileishmanial Activities of Phytophenolics and Their Synthetic Analogues. <i>Chemistry and Biodiversity</i> , 2017, 14, e1700324.	2.1	8
65	Norlignan glucosides from <i>Hypoxis hemerocallidea</i> and their potential in vitro anti-inflammatory activity via inhibition of iNOS and NF- $\kappa$ B. <i>Phytochemistry</i> , 2020, 172, 112273.	2.9	8
66	Assessment of Herb-Drug Interaction Potential of Five Common Species of Licorice and Their Phytochemical Constituents. <i>Journal of Dietary Supplements</i> , 2023, 20, 582-601.	2.6	8
67	Antiparasitic and Antimicrobial Isoflavanquinones from <i>Abrus schimperi</i> . <i>Natural Product Communications</i> , 2011, 6, 1934578X1100601.	0.5	7
68	Synthesis and biological evaluation of tricyclic guanidine analogues of batzelladine K for antimalarial, antileishmanial, antibacterial, antifungal and anti-HIV activities. <i>Chemical Biology and Drug Design</i> , 2012, , no-no.	3.2	7
69	Quantitative determination and pharmacokinetic study of fusaricidin A in mice plasma and tissues using ultra-high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 170, 187-192.	2.8	7
70	<i>Bulbine natalensis</i> (currently <i>Bulbine latifolia</i> ) and select bulbine knipholones modulate the activity of AhR, CYP1A2, CYP2B6, and P-gp. <i>Planta Medica</i> , 2022, 88, 975-984.	1.3	7
71	The synthesis and biological evaluation of alkyl and benzyl naphthyridinium analogs of eupolauridine as potential antimicrobial and cytotoxic agents. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 6119-6130.	3.0	6
72	A minimalistic approach to develop new anti-apicomplexa polyamines analogs. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 866-880.	5.5	6

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73	In search for potential antidiabetic compounds from natural sources: docking, synthesis and biological screening of small molecules from <i>Lycium</i> spp. (Goji). <i>Heliyon</i> , 2020, 6, e02782.	3.2	6
74	<i>Salvia ceratophylla</i> L. from South of Jordan: new insights on chemical composition and biological activities. <i>Natural Products and Bioprospecting</i> , 2020, 10, 307-316.	4.3	5
75	Chemometrics-Assisted Identification of Anti-Inflammatory Compounds from the Green Alga <i>Klebsormidium flaccidum</i> var. <i>zivo</i> . <i>Molecules</i> , 2020, 25, 1048.	3.8	5
76	Isolation and characterization of cytotoxic and anti-inflammatory constituents from <i>Scoparia dulcis</i> L. <i>Journal of Chemical Research</i> , 2020, 44, 381-387.	1.3	5
77	Undescribed C-Glycosylflavones from Corn Silk and Potential Anti-inflammatory Activity Evaluation of Isolates. <i>Planta Medica</i> , 2022, 88, 745-752.	1.3	5
78	Peptide-Heterocycle Conjugates as Antifungals Against <i>Cryptococcus</i> . <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	5
79	Potential of Horse Apple Isoflavones in Targeting Inflammation and Tau Protein Fibrillization. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	4
80	Synthesis and in vitro evaluation of ferutinol aryl esters for estrogenic activity and affinity toward cannabinoid receptors. <i>Medicinal Chemistry Research</i> , 2015, 24, 2670-2678.	2.4	4
81	Diversity-oriented natural product platform identifies plant constituents targeting <i>Plasmodium falciparum</i> . <i>Malaria Journal</i> , 2016, 15, 270.	2.3	4
82	Sarcorseolides A-D, four undescribed cembranoids from the Red Sea soft coral <i>Sarcophyton roseum</i> . <i>Natural Product Research</i> , 2022, 36, 1842-1850.	1.8	4
83	In silico and in vitro studies of isolated constituents from <i>Callistemon citrinus</i> leaves: Anti-microbial potential and inhibition of iNOS activity. <i>Phytochemistry</i> , 2021, 186, 112745.	2.9	4
84	Microbial transformation of some simple isoquinoline and benzylisoquinoline alkaloids and in vitro studies of their metabolites. <i>Phytochemistry</i> , 2021, 189, 112828.	2.9	4
85	Development of potential anticancer agents and apoptotic inducers based on 4-aryl-4H chromene scaffold: Design, synthesis, biological evaluation and insight on their proliferation inhibition mechanism. <i>Bioorganic Chemistry</i> , 2022, 118, 105475.	4.1	4
86	A Multitarget Approach to Evaluate the Efficacy of <i>Aquilaria sinensis</i> Flower Extract against Metabolic Syndrome. <i>Molecules</i> , 2022, 27, 629.	3.8	4
87	Constituents of <i>Talisia nervosa</i> with Potential Utility against Metabolic Syndrome. <i>Natural Product Communications</i> , 2019, 14, 1934578X1901400.	0.5	3
88	Pharmacokinetics and Tissue Distribution of Aegeline after Oral Administration in Mice. <i>Planta Medica</i> , 2019, 85, 491-495.	1.3	3
89	Possible Herb-Drug Interaction Risk of Some Nutritional and Beauty Supplements on Antiretroviral Therapy in HIV Patients. <i>Journal of Dietary Supplements</i> , 2022, 19, 62-77.	2.6	3
90	Are atranols the only skin sensitizers in oakmoss? A systematic investigation using non-animal methods. <i>Toxicology in Vitro</i> , 2021, 70, 105053.	2.4	3

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91	Probing PXR activation and modulation of CYP3A4 by <i>Tinospora crispa</i> and <i>Tinospora sinensis</i> . <i>Journal of Ethnopharmacology</i> , 2022, 291, 115159.	4.1	3
92	<i>Botanical Supplements and Hepatotoxicity.</i> , 0 , 589-606.		1
93	Antiparasitic and Anticancer Carvotacetone Derivatives of <i>Sphaeranthus bullatus</i> . <i>Natural Product Communications</i> , 2012, 7, 1934578X1200700.	0.5	1
94	Cytotoxic constituent of <i>Melicope latifolia</i> (DC.) T. G. Hartley. <i>Natural Product Research</i> , 2022, 36, 1416-1424.	1.8	1
95	Anti-inflammatory and cytotoxic specialised metabolites from the leaves of <i>Glandularia Å— hybrida</i> . <i>Phytochemistry</i> , 2022, 195, 113054.	2.9	1
96	Synthesis and In vitro Evaluation of Hydrazonomethyl-Quinolinâ€“8â€“ol and Pyrazolâ€“3â€“yl-Quinolinâ€“8â€“ol Derivatives for Antimicrobial and Antimalarial Potential. <i>Medicinal Chemistry</i> , 2022, 18, 949-969.	1.5	1
97	Litoarbolide A: an undescribed sesquiterpenoid from the Red Sea soft coral <i>Litophyton arboreum</i> with an <i>in vitro</i> anti-malarial activity evaluation. <i>Natural Product Research</i> , 2022, , 1-9.	1.8	1
98	Synthesis of benzonaphthofuroquinones and benzoylnaphthindolizinediones by reactions of flavonoids with dichlone under basylous, oxygenous and aqueous conditions: their cytotoxic and apoptotic activities. <i>RSC Advances</i> , 2020, 10, 28644-28652.	3.6	0