

Shaukath Ara Khanum

List of Publications by Year in descending order

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95
papers

1,504
citations

257450

24
h-index

414414

32
g-index

100
all docs

100
docs citations

100
times ranked

1190
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and tumor inhibitory activity of novel coumarin analogs targeting angiogenesis and apoptosis. <i>European Journal of Medicinal Chemistry</i> , 2014, 75, 211-221.	5.5	77
2	Tumor angiogenesis: Current challenges and therapeutic opportunities. <i>Cancer Treatment and Research Communications</i> , 2021, 28, 100422.	1.7	56
3	Anti-tumor and proapoptotic effect of novel synthetic benzophenone analogues in Ehrlich ascites tumor cells. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 435-446.	3.0	53
4	Synthesis and evaluation of 2,5-di(4-aryloxyloxy)methyl-1,3,4-oxadiazoles as anti-cancer agents. <i>European Journal of Medicinal Chemistry</i> , 2013, 63, 536-543.	5.5	49
5	A review on zeolite imidazole frameworks: synthesis, properties, and applications. <i>Journal of Porous Materials</i> , 2022, 29, 663-681.	2.6	49
6	BP-1T, an antiangiogenic benzophenone-thiazole pharmacophore, counteracts HIF-1 signalling through p53/MDM2-mediated HIF-1 α proteasomal degradation. <i>Angiogenesis</i> , 2017, 20, 55-71.	7.2	43
7	Synthesis of coumarin analogs appended with quinoline and thiazole moiety and their apoptogenic role against murine ascitic carcinoma. <i>Biomedicine and Pharmacotherapy</i> , 2019, 112, 108707.	5.6	42
8	Synthesis, crystal structure, DFT calculations, Hirshfeld surface analysis, energy frameworks, molecular dynamics and docking studies of novel isoxazolequinoxaline derivative (IZQ) as anti-cancer drug. <i>Journal of Molecular Structure</i> , 2021, 1232, 130004.	3.6	40
9	Synthesis, angiopreventive activity, and in vivo tumor inhibition of novel benzophenone benzimidazole analogs. <i>Life Sciences</i> , 2013, 93, 904-911.	4.3	37
10	Design, synthesis and molecular docking of benzophenone conjugated with oxadiazole sulphur bridge pyrazole pharmacophores as anti inflammatory and analgesic agents. <i>Bioorganic Chemistry</i> , 2019, 92, 103220.	4.1	37
11	A tumoural angiogenic gateway blocker, Benzophenone-1B represses the HIF-1 α nuclear translocation and its target gene activation against neoplastic progression. <i>Biochemical Pharmacology</i> , 2017, 125, 26-40.	4.4	35
12	Antiangiogenic effect of 2-benzoyl phenoxy acetamide in EAT cell is mediated by HIF-1 α and down regulation of VEGF of in-vivo. <i>Investigational New Drugs</i> , 2006, 24, 471-478.	2.6	32
13	Synthesis and evaluation of novel benzophenone-thiazole derivatives as potent VEGF-A inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2014, 87, 274-283.	5.5	32
14	Discovery of novel benzophenone integrated derivatives as anti-Alzheimer's agents targeting presenilin-1 and presenilin-2 inhibition: A computational approach. <i>PLoS ONE</i> , 2022, 17, e0265022.	2.5	31
15	Synthesis of some newer analogues of substituted dibenzoyl phenol as potent anti-inflammatory agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 5351-5355.	2.2	30
16	Synthesis, characterization, biological and catalytic applications of transition metal complexes derived from Schiff base. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3559-3564.	2.2	30
17	Synthesis and anti-inflammatory activity of 2-aryloxy methyl oxazolines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 4597-4601.	2.2	29
18	Effect of o-difluoro and p-methyl substituents on the structure, optical properties and anti-inflammatory activity of phenoxy thiazole acetamide derivatives: Theoretical and experimental studies. <i>Journal of Molecular Structure</i> , 2020, 1199, 127024.	3.6	29

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19	Synthesis of oxadiazole-morpholine derivatives and manifestation of the repressed CD31 Microvessel Density (MVD) as tumoral angiogenic parameters in Dalton's Lymphoma. <i>Bioorganic Chemistry</i> , 2015, 60, 136-146.	4.1	28
20	Synthesis and antiproliferative activity of benzophenone tagged pyridine analogues towards activation of caspase activated DNase mediated nuclear fragmentation in Dalton's lymphoma. <i>Bioorganic Chemistry</i> , 2016, 65, 73-81.	4.1	28
21	Design-based synthesis, molecular docking analysis of an anti-inflammatory drug, and geometrical optimization and interaction energy studies of an indole acetamide derivative. <i>Journal of Molecular Structure</i> , 2020, 1202, 127244.	3.6	27
22	Competent synthesis of biaryl analogs via asymmetric Suzuki-Miyaura cross-coupling for the development of anti-inflammatory and analgesic agents. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 2421-2436.	2.2	27
23	Synthesis of benzoyl phenyl benzoates as effective inhibitors for phospholipase A2 and hyaluronidase enzymes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 4100-4104.	2.2	26
24	The Novel 4-Phenyl-2-Phenoxyacetamide Thiazoles modulates the tumor hypoxia leading to the crackdown of neoangiogenesis and evoking the cell death. <i>European Journal of Medicinal Chemistry</i> , 2018, 143, 1826-1839.	5.5	26
25	Design, Synthesis, and Anticancer Properties of Novel Benzophenone-Conjugated Coumarin Analogs. <i>Archiv Der Pharmazie</i> , 2013, 346, 901-911.	4.1	25
26	Synthesis, Elucidation, Hirshfeld surface analysis, and DFT calculations of 4-chloro-N-[2-(2-1H-indol-3-yl-acetylamino)-phenyl]-benzamide. <i>Journal of Molecular Structure</i> , 2019, 1178, 384-393.	3.6	25
27	Synthesis, docking and biological evaluation of thiadiazole and oxadiazole derivatives as antimicrobial and antioxidant agents. <i>Results in Chemistry</i> , 2020, 2, 100045.	2.0	24
28	Design and synthesis of diamide-coupled benzophenones as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2016, 115, 342-351.	5.5	23
29	Synthesis, crystal structure, spectroscopic characterization, docking simulation and density functional studies of 1-(3,4-dimethoxyphenyl)-3-(4-fluorophenyl)-propan-1-one. <i>Journal of Molecular Structure</i> , 2018, 1161, 199-217.	3.6	23
30	Recent investigations into synthesis and pharmacological activities of phenoxy acetamide and its derivatives (chalcone, indole and quinoline) as possible therapeutic candidates. <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 1839-1875.	2.2	23
31	The anti-invasive role of novel synthesized pyridazine hydrazide appended phenoxy acetic acid against neoplastic development targeting matrix metallo proteases. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 375-386.	5.6	21
32	Synthesis and biological evaluation of salicylic acid conjugated isoxazoline analogues on immune cell proliferation and angiogenesis. <i>European Journal of Medicinal Chemistry</i> , 2016, 114, 153-161.	5.5	19
33	Molecular docking and synthesis of caffeic acid analogous and its anti-inflammatory, analgesic and ulcerogenic studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 33, 127743.	2.2	19
34	Synthesis and amelioration of inflammatory paw edema by novel benzophenone appended oxadiazole derivatives by exhibiting cyclooxygenase-2 antagonist activity. <i>Biomedicine and Pharmacotherapy</i> , 2018, 103, 1446-1455.	5.6	18
35	Synthesis, crystal structure and 3D energy frameworks of ethyl 2-[5-nitro-2-oxopyridine-1(2H)-yl] acetate: Hirshfeld surface analysis and DFT calculations. <i>Chemical Data Collections</i> , 2019, 20, 100195.	2.3	18
36	Synthesis, Characterization, Hirshfeld Surface Analysis, Crystal Structure and Molecular Modeling Studies of 1-(4-(Methoxy(phenyl)methyl)-2-methylphenoxy)butan-2-one Derivative as a Novel α -Glucosidase Inhibitor. <i>Crystals</i> , 2022, 12, 960.	2.2	18

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37	Synthesis, Xanthine Oxidase Inhibition, and Antioxidant Screening of Benzophenone Tagged Thiazolidinone Analogs. <i>Archiv Der Pharmazie</i> , 2014, 347, 589-598.	4.1	17
38	Synthesis and an angiolytic role of novel piperazine-benzothiazole analogues on neovascularization, a chief tumoral parameter in neoplastic development. <i>Bioorganic Chemistry</i> , 2016, 65, 110-117.	4.1	17
39	Synthesis, Antioxidant, and Xanthine Oxidase Inhibitory Activities of 5-(2-(5-(2-pyridinyl)ethoxy)phenyl)methyl-2-thiazolidinedione Derivatives. <i>Archiv Der Pharmazie</i> , 2014, 347, 247-255.		16
40	Synthesis of novel morpholine conjugated benzophenone analogues and evaluation of antagonistic role against neoplastic development. <i>Bioorganic Chemistry</i> , 2017, 71, 55-66.	4.1	16
41	Zinc oxide nanoparticles: A significant review on synthetic strategies, characterization and applications. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	16
42	Targeting HIF-1 α by newly synthesized Indolephenoxyacetamide (IPA) analogs to induce anti-angiogenesis-mediated solid tumor suppression. <i>Pharmacological Reports</i> , 2021, 73, 1328-1343.	3.3	15
43	Synthesis and larvicidal properties of benzophenone comprise indole analogues against <i>Culex quinquefasciatus</i> . <i>Drug Invention Today (discontinued)</i> , 2013, 5, 275-280.	0.6	14
44	Microwave-Assisted Synthesis, Characterization, Docking Studies and Molecular Dynamic of Some Novel Phenyl Thiazole Analogs as Xanthine Oxidase Inhibitor. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 3919-3933.	2.2	14
45	Durantol - a phytosterol antifungal contributor from <i>Duranta repens</i> Linn. For organic Management of <i>Sorghum Downy Mildew</i> . <i>European Journal of Plant Pathology</i> , 2016, 146, 671-682.	1.7	13
46	Evaluation of adhesive and anti-adhesive properties of <i>Pseudomonas aeruginosa</i> biofilms and their inhibition by herbal plants. <i>Iranian Journal of Microbiology</i> , 2016, 8, 108-19.	0.8	12
47	Microwave-assisted synthesis of 2-amino and 2-azetidionyl 5-(2-benzoyl-phenoxy)methyl 1,3,4-oxadiazoles. <i>Heteroatom Chemistry</i> , 2004, 15, 37-42.	0.7	11
48	Recent investigation on heterocycles with one nitrogen [piperidine, pyridine and quinoline], two nitrogen [1,3,4-thiadiazole and pyrazole] and three nitrogen [1,2,4-triazole]: a review. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 23-54.	2.2	10
49	Synthesis, characterization, DFT, docking studies and molecular dynamics of some 3-phenyl-5-furan isoxazole derivatives as anti-inflammatory and anti-ulcer agents. <i>Journal of Molecular Structure</i> , 2022, 1250, 131812.	3.6	10
50	The critical role of novel benzophenone analogs on tumor growth inhibition targeting angiogenesis and apoptosis. <i>MedChemComm</i> , 2018, 9, 639-656.	3.4	9
51	Synthesis, structure and molecular docking analysis of an anticancer drug of N-(2-aminophenyl)-2-(2-isopropylphenoxy) acetamide. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 675, 85-95.	0.9	9
52	Synthesis, structure analysis, DFT calculations, Hirshfeld surface studies, and energy frameworks of 6-Chloro-3-[(4-chloro-3-methylphenoxy)methyl][1,2,4]triazolo[4,3-b]pyridazine. <i>Journal of Molecular Structure</i> , 2021, 1237, 130282.	3.6	9
53	Design, docking, synthesis, and characterization of novel N'(2-phenoxyacetyl) nicotinohydrazide and N'(2-phenoxyacetyl)isonicotinohydrazide derivatives as anti-inflammatory and analgesic agents. <i>Journal of Molecular Structure</i> , 2022, 1247, 131404.	3.6	9
54	Design and synthesis of conjugated azo-hydrazone analogues using nano BF ₃ ·SiO ₂ targeting ROS homeostasis in oncogenic and vascular progression. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 419-428.	5.6	8

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55	Synthesis, molecular docking, and apoptogenic efficacy of novel N-heterocycle analogs to target B-cell lymphoma 2/X-linked inhibitors of apoptosis proteins to regress melanoma. <i>Medicinal Chemistry Research</i> , 2019, 28, 1132-1160.	2.4	8
56	Synthesis, structural characterization, and DFT studies of anti-cancer drug N-(2-Aminophenyl)-2-(4-bromophenoxy)acetamide. <i>Heliyon</i> , 2021, 7, e06464.	3.2	8
57	Sunlight-assisted synthesis of cerium (IV) oxide nanostructure with enhanced photocatalytic activity. <i>Optik</i> , 2021, 245, 167236.	2.9	8
58	Synthesis and evaluation of in vitro antimicrobial activity of novel 2-[2-(aroyl)aroyloxy]methyl-1,3,4-oxadiazoles. <i>Russian Journal of Bioorganic Chemistry</i> , 2014, 40, 330-335.	1.0	7
59	Synthesis, crystal structure and Hirshfeld surfaces of 1-(3,4-dimethoxyphenyl)-3-(3-hydroxyphenyl)prop-2-en-1-one. <i>Chemical Data Collections</i> , 2018, 15-16, 153-160.	2.3	7
60	Synthesis, crystal structure characterization, DFT calculations, Hirshfeld surface analysis and 3D energy frameworks of triazole pyridazine derivatives: Theoretical and experimental studies. <i>Journal of Molecular Structure</i> , 2021, 1246, 131242.	3.6	7
61	Synthesis, analgesic, anti-inflammatory, COX/5-LOX inhibition, ulcerogenic evaluation, and docking study of benzimidazole bearing indole and benzophenone analogs. <i>Journal of Molecular Structure</i> , 2022, 1259, 132741.	3.6	7
62	Synthesis, structure analysis, DFT calculations and energy frameworks of new coumarin appended oxadiazoles, to regress ascites malignancy by targeting VEGF mediated angiogenesis. <i>Journal of Molecular Structure</i> , 2022, 1252, 132173.	3.6	6
63	Synthesis of Pyrimidones and Evaluation of Their Xanthine Oxidase Inhibitory and Antioxidant Activities. <i>Archiv Der Pharmazie</i> , 2013, 346, 805-811.	4.1	5
64	Evaluation of Benzophenone-N-ethyl Morpholine Ethers as Antibacterial and Antifungal Activities. <i>Journal of Chemistry</i> , 2014, 2014, 1-6.	1.9	5
65	Synthesis and evaluation of in vitro antioxidant properties of novel 2,5-disubstituted 1,3,4-oxadiazoles. <i>Russian Journal of Bioorganic Chemistry</i> , 2014, 40, 206-213.	1.0	5
66	Synthesis, characterization, docking study and antimicrobial activity of <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 2741-2756.	2.2	5
67	Photochemical Synthesis and Antimicrobial Activity of Dihydrobenzofuranols from 2-Alkoxy Substituted Benzophenones and Ethyl-2-Aroyl Aryloxy Acetates. <i>Journal of Chemical Research</i> , 2003, 2003, 463-464.	1.3	4
68	SYNTHESIS AND CHARACTERIZATION OF COUMARIN ANALOGS: EVALUATION OF ANTIMICROBIAL AND ANTIOXIDANT ACTIVITIES. <i>International Research Journal of Pharmacy</i> , 2018, 9, 22-30.	0.2	4
69	Design, synthesis, docking, Hirshfeld surface analysis and DFT calculations of 2-methylxanthen-9-yl with the FtsZ protein from <i>Staphylococcus aureus</i> . <i>Bioinformatics</i> , 2021, 17, 393-403.	0.5	4
70	Synthesis, spectroscopic and X-ray crystallographic analysis of N-(2-(2-(4-chlorophenoxy)acetamido)phenyl)-1H-indole-2-carboxamide. <i>European Journal of Chemistry</i> , 2019, 10, 234-238.	0.6	4
71	Modulation of DNA damage response by targeting ATM kinase using newly synthesized di-phenoxy acetamide (DPA) analogs to induce anti-neoplasia. <i>Pharmacological Reports</i> , 2021, 73, 1344-1360.	3.3	3
72	Experimental and computational studies on the synthesis and structural characterization of 2-(4-chlorophenoxy)-N-[4-(4-methylphenyl)-1,3-thiazol-2-yl]acetamide. <i>Journal of Molecular Structure</i> , 2022, 1249, 131588.	3.6	3

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73	Ethyl 2-(4-chloro-3-methylphenoxy)acetate. IUCrData, 2016, 1, .	0.3	3
74	Anti-neoplastic phramacophore benzophenone-1 coumarin (BP-1C) targets JAK2 to induce apoptosis in lung cancer. Apoptosis: an International Journal on Programmed Cell Death, 2021, , 1.	4.9	3
75	Antiproliferative pharmacophore azo-hydrazone analogue BT-1F exerts death signalling pathway targeting STAT3 in solid tumour. Pharmacological Reports, 2022, , 1.	3.3	3
76	Synthesis and Crystal Structure of (2-Hydroxy-5-methylphenyl)-(2-bromophenyl)methanone. Analytical Sciences: X-ray Structure Analysis Online, 2006, 22, X43-X44.	0.1	2
77	Synthesis of (4-benzoyl-phenoxy)-acetic acid derivatives and their efficacy as antioxidant agents. Free Radicals and Antioxidants, 2013, , .	0.3	2
78	SYNTHESIS AND EVALUATION OF ANTIANGIOGENIC AND ANTICANCER PROPERTIES OF NOVEL OXADIAZOLE ANALOGUES. International Research Journal of Pharmacy, 2014, 5, 489-494.	0.2	2
79	Synthesis, characterization, crystal structure and Hirshfeld surface analysis of ethyl 2-(2-oxo-2H-chromen-4-yloxy) acetate. Chemical Data Collections, 2017, 9-10, 1-10.	2.3	2
80	Synthesis, characterization, crystal structure and Hirshfeld surface analysis of o-tolyloxy acetic acid (1H-indol-3-yl-methylene)-hydrazide. Chemical Data Collections, 2017, 11-12, 1-10.	2.3	2
81	Biological Evaluation of 2, 5-Di (4 Aryloylaryloxy Methyl) - 1, 3, 4-Oxadiazoles Derivatives as Antimicrobial Agents. , 2017, 07, .		2
82	Synthesis, structural analysis, Hirshfeld surface analysis, DFT calculations, in vitro and docking study on antioxidant activity of 6-chloro-3-[(4-methylphenoxy) methyl] [1,2,4] triazolo[4,3-b]pyridazine. Molecular Crystals and Liquid Crystals, 0, , 1-20.	0.9	2
83	Ethyl 2-[4-(2-chlorobenzoyl)-2,6-dimethylphenoxy]ethanoate. Acta Crystallographica Section E: Structure Reports Online, 2012, 68, o2435-o2435.	0.2	1
84	Synthesis, crystal structure elucidation, Hirshfeld surface analysis, 3D energy frameworks and DFT studies of 2-(4-fluorophenoxy) acetic acid. European Journal of Chemistry, 2021, 12, 304-313.	0.6	1
85	2-(2-Isopropylphenoxy)acetic acid. IUCrData, 2016, 1, .	0.3	1
86	Synthesis, X-Ray Crystal Structure Study, Hirshfeld Surface Analysis, and Biological Activity of N-(2-amino-phenyl)-2-methyl-benzamide. Hindawi Journal of Chemistry, 2016, 2016, 1-7.	1.6	1
87	2-Chloro-6-fluorophenyl 4-chlorobenzoate. IUCrData, 2016, 1, .	0.3	1
88	Synthesis, characterization, and antimicrobial analysis of 5-phenyl-4-((2-(piperazin-1-yl)ethyl)thio)-1,2,3-oxadiazole analogs through in vitro and in silico approach. Journal of Molecular Structure, 2022, 1252, 132168.	3.6	1
89	Synthesis, elucidation, DFT computations, Hirshfeld surface analysis and docking study of 6-chloro-3-[(4-fluoro-phenoxy)methyl][1, 2, 4]triazolo[4,3-b]pyridazine against fungi pathogen. Molecular Crystals and Liquid Crystals, 2022, 738, 76-90.	0.9	1
90	Photochemical Synthesis and Antimicrobial Activity of Dihydrobenzofuranols from 2-Alkoxy Substituted Benzophenones and Ethyl-2-aroyle Aryloxy Acetates.. ChemInform, 2004, 35, no.	0.0	0

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91	Synthesis of Some Newer Analogues of Substituted Dibenzoyl Phenol as Potent Antiinflammatory Agents.. ChemInform, 2005, 36, no.	0.0	0
92	Synthesis of Benzoyl Phenyl Benzoates as Effective Inhibitors for Phospholipase A2 and Hyaluronidase Enzymes.. ChemInform, 2005, 36, no.	0.0	0
93	Synthesis and Crystal Structure of (4-Hydroxy-3-methylphenyl)(4-methylphenyl)methanone. Analytical Sciences: X-ray Structure Analysis Online, 2006, 22, X183-X184.	0.1	0
94	Structural studies of a novel bioactive benzophenone derivative: (4-Chloro-2-hydroxy-phenyl)-phenyl-methanone. Molecular Crystals and Liquid Crystals, 2016, 625, 233-237.	0.9	0
95	Ethyl 2-(4-benzoyl-2,5-dimethylphenoxy)acetate. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o2854-o2855.	0.2	0