

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	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. Journal of the Iranian Chemical Society, 2022, 19, 23-54.	2.2	10
2	Experimental and computational studies on the synthesis and structural characterization of 2-(4-chlorophenoxy)-N-[4-(4-methylphenyl)-1,3-thiazol-2-yl]acetamide. Journal of Molecular Structure, 2022, 1249, 131588.	3.6	3
3	Design, docking, synthesis, and characterization of novel N'(2-phenoxyacetyl) nicotinohydrazide and N'(2-phenoxyacetyl)isonicotinohydrazide derivatives as anti-inflammatory and analgesic agents. Journal of Molecular Structure, 2022, 1247, 131404.	3.6	9
4	Synthesis, characterization, DFT, docking studies and molecular dynamics of some 3-phenyl-5-furan isoxazole derivatives as anti-inflammatory and anti-ulcer agents. Journal of Molecular Structure, 2022, 1250, 131812.	3.6	10
5	Antiproliferative pharmacophore azo-hydrazone analogue BT-1F exerts death signalling pathway targeting STAT3 in solid tumour. Pharmacological Reports, 2022, , 1.	3.3	3
6	Competent synthesis of biaryl analogs via asymmetric Suzuki-Miyaura cross-coupling for the development of anti-inflammatory and analgesic agents. Journal of the Iranian Chemical Society, 2022, 19, 2421-2436.	2.2	27
7	Synthesis, structure analysis, DFT calculations and energy frameworks of new coumarin appended oxadiazoles, to regress ascites malignancy by targeting VEGF mediated angiogenesis. Journal of Molecular Structure, 2022, 1252, 132173.	3.6	6
8	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
9	A review on zeolite imidazole frameworks: synthesis, properties, and applications. Journal of Porous Materials, 2022, 29, 663-681.	2.6	49
10	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
11	Discovery of novel benzophenone integrated derivatives as anti-Alzheimer's agents targeting presenilin-1 and presenilin-2 inhibition: A computational approach. PLoS ONE, 2022, 17, e0265022.	2.5	31
12	Synthesis, analgesic, anti-inflammatory, COX/5-LOX inhibition, ulcerogenic evaluation, and docking study of benzimidazole bearing indole and benzophenone analogs. Journal of Molecular Structure, 2022, 1259, 132741.	3.6	7
13	Microwave-Assisted Synthesis, Characterization, Docking Studies and Molecular Dynamic of Some Novel Phenyl Thiazole Analogs as Xanthine Oxidase Inhibitor. Journal of the Iranian Chemical Society, 2022, 19, 3919-3933.	2.2	14
14	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 β -Glucosidase Inhibitor. Crystals, 2022, 12, 960.	2.2	18
15	Molecular docking and synthesis of caffeic acid analogous and its anti-inflammatory, analgesic and ulcerogenic studies. Bioorganic and Medicinal Chemistry Letters, 2021, 33, 127743.	2.2	19
16	Tumor angiogenesis: Current challenges and therapeutic opportunities. Cancer Treatment and Research Communications, 2021, 28, 100422.	1.7	56
17	Recent investigations into synthesis and pharmacological activities of phenoxy acetamide and its derivatives (chalcone, indole and quinoline) as possible therapeutic candidates. Journal of the Iranian Chemical Society, 2021, 18, 1839-1875.	2.2	23
18	Design, synthesis, docking, Hirshfeld surface analysis and DFT calculations of 2-methylxanthen-9-yl with the FtsZ protein from Staphylococcus aureus. Bioinformatics, 2021, 17, 393-403.	0.5	4

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19	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
20	Synthesis, characterization, docking study and antimicrobial activity of <i>Journal of the Iranian Chemical Society</i> , 2021, 18, 2741-2756.	2.2	5
21	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
22	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
23	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
24	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
25	Synthesis, crystal structure elucidation, Hirshfeld surface analysis, 3D energy frameworks and DFT studies of 2-(4-fluorophenoxy) acetic acid. <i>European Journal of Chemistry</i> , 2021, 12, 304-313.	0.6	1
26	Sunlight-assisted synthesis of cerium (IV) oxide nanostructure with enhanced photocatalytic activity. <i>Optik</i> , 2021, 245, 167236.	2.9	8
27	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
28	Anti-neoplastic pharmacophore benzophenone-1 coumarin (BP-1C) targets JAK2 to induce apoptosis in lung cancer. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2021, , 1.	4.9	3
29	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
30	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
31	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
32	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
33	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
34	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
35	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
36	Zinc oxide nanoparticles: A significant review on synthetic strategies, characterization and applications. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	16

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	Synthesis, characterization, crystal structure and Hirshfeld surface analysis of ethyl 2-(2-oxo-2H-chromen-4-yloxy) acetate. <i>Chemical Data Collections</i> , 2017, 9-10, 1-10.	2.3	2
48	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
49	The anti-invasive role of novel synthesized pyridazine hydrazone appended phenoxy acetic acid against neoplastic development targeting matrix metallo proteases. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 375-386.	5.6	21
50	Synthesis, characterization, crystal structure and Hirshfeld surface analysis of o-tolyloxy acetic acid (1H-indol-3-yl-methylene)-hydrazide. <i>Chemical Data Collections</i> , 2017, 11-12, 1-10.	2.3	2
51	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
52	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
53	Biological Evaluation of 2, 5-Di (4 Aryloylaryloxy Methyl) - 1, 3, 4-Oxadiazoles Derivatives as Antimicrobial Agents. , 2017, 07, .		2
54	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

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55	Durantol - a phytosterol antifungal contributor from <i>Duranta repens</i> Linn. For organic Management of Sorghum Downy Mildew. <i>European Journal of Plant Pathology</i> , 2016, 146, 671-682.	1.7	13
56	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
57	Structural studies of a novel bioactive benzophenone derivative: (4-Chloro-2-hydroxy-phenyl)-phenyl-methanone. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 625, 233-237.	0.9	0
58	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
59	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
60	Ethyl 2-(4-chloro-3-methylphenoxy)acetate. <i>IUCrData</i> , 2016, 1, .	0.3	3
61	2-(2-Isopropylphenoxy)acetic acid. <i>IUCrData</i> , 2016, 1, .	0.3	1
62	Synthesis, X-Ray Crystal Structure Study, Hirshfeld Surface Analysis, and Biological Activity of N-(2-amino-phenyl)-2-methyl-benzamide. <i>Hindawi Journal of Chemistry</i> , 2016, 2016, 1-7.	1.6	1
63	2-Chloro-6-fluorophenyl 4-chlorobenzoate. <i>IUCrData</i> , 2016, 1, .	0.3	1
64	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
65	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
66	SYNTHESIS AND EVALUATION OF ANTIANGIOGENIC AND ANTICANCER PROPERTIES OF NOVEL OXADIAZOLE ANALOGUES. <i>International Research Journal of Pharmacy</i> , 2014, 5, 489-494.	0.2	2
67	Evaluation of Benzophenone-N-ethyl Morpholine Ethers as Antibacterial and Antifungal Activities. <i>Journal of Chemistry</i> , 2014, 2014, 1-6.	1.9	5
68	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
69	Synthesis, Antioxidant, and Xanthine Oxidase Inhibitory Activities of 5-((4-(2-(5-(ethylthiopyridinyl)ethoxy)phenyl)methyl)-2-thiazolidinedione Derivatives. <i>Archiv Der Pharmazie</i> , 2014, 347, 247-255.		16
70	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
71	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
72	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

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73	Synthesis, Xanthine Oxidase Inhibition, and Antioxidant Screening of Benzophenone Tagged Thiazolidinone Analogs. <i>Archiv Der Pharmazie</i> , 2014, 347, 589-598.	4.1	17
74	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
75	Synthesis of (4-benzoyl-phenoxy)-acetic acid derivatives and their efficacy as antioxidant agents. <i>Free Radicals and Antioxidants</i> , 2013, , .	0.3	2
76	Design, Synthesis, and Anticancer Properties of Novel Benzophenone- π -Conjugated Coumarin Analogs. <i>Archiv Der Pharmazie</i> , 2013, 346, 901-911.	4.1	25
77	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
78	Synthesis, angiopreventive activity, and in vivo tumor inhibition of novel benzophenone- π -benzimidazole analogs. <i>Life Sciences</i> , 2013, 93, 904-911.	4.3	37
79	Synthesis and evaluation of 2,5-di(4-aryloxy)methyl-1,3,4-oxadiazoles as anti-cancer agents. <i>European Journal of Medicinal Chemistry</i> , 2013, 63, 536-543.	5.5	49
80	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
81	Ethyl 2-[4-(2-chlorobenzoyl)-2,6-dimethylphenoxy]ethanoate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o2435-o2435.	0.2	1
82	Ethyl 2-(4-benzoyl-2,5-dimethylphenoxy)acetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, o2854-o2855.	0.2	0
83	Synthesis and anti-inflammatory activity of 2-aryloxy methyl oxazolines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 4597-4601.	2.2	29
84	Synthesis and Crystal Structure of (4-Hydroxy-3-methylphenyl)(4-methylphenyl)methanone. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2006, 22, X183-X184.	0.1	0
85	Synthesis and Crystal Structure of (2-Hydroxy-5-methylphenyl)-(2-bromophenyl)methanone. <i>Analytical Sciences: X-ray Structure Analysis Online</i> , 2006, 22, X43-X44.	0.1	2
86	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
87	Antiangiogenic effect of 2-benzoyl- π -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
88	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
89	Synthesis of Some Newer Analogues of Substituted Dibenzoyl Phenol as Potent Antiinflammatory Agents.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
90	Synthesis of Benzoyl Phenyl Benzoates as Effective Inhibitors for Phospholipase A2 and Hyaluronidase Enzymes.. <i>ChemInform</i> , 2005, 36, no.	0.0	0

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91	Microwave-assisted synthesis of 2-amino and 2-azetidinonyl 5-(2-benzoyl-phenoxy)methyl) 1,3,4-oxadiazoles. Heteroatom Chemistry, 2004, 15, 37-42.	0.7	11
92	Photochemical Synthesis and Antimicrobial Activity of Dihydrobenzofuranols from 2-Alkoxy Substituted Benzophenones and Ethyl-2-aryloxy Aryloxy Acetates.. ChemInform, 2004, 35, no.	0.0	0
93	Synthesis of some newer analogues of substituted dibenzoyl phenol as potent anti-inflammatory agents. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 5351-5355.	2.2	30
94	Photochemical Synthesis and Antimicrobial Activity of Dihydrobenzofuranols from 2-Alkoxy Substituted Benzophenones and Ethyl-2-Aroyloxy Aryloxy Acetates1. Journal of Chemical Research, 2003, 2003, 463-464.	1.3	4
95	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