Fares Hezam Al-Ostoot

List of Publications by Year
in descending order

75 papers	1,203 citations	331538 21 h-index	454834 30 g-index
76 all docs	76 docs citations	76 times ranked	924 citing authors

#	Article	IF	Citations
1	Synthesis and tumor inhibitory activity of novel coumarin analogs targeting angiogenesis and apoptosis. European Journal of Medicinal Chemistry, 2014, 75, 211-221.	2.6	77
2	Tumor angiogenesis: Current challenges and therapeutic opportunities. Cancer Treatment and Research Communications, 2021, 28, 100422.	0.7	56
3	Anti-tumor and proapoptotic effect of novel synthetic benzophenone analogues in Ehrlich ascites tumor cells. Bioorganic and Medicinal Chemistry, 2006, 14, 435-446.	1.4	53
4	BP-1T, an antiangiogenic benzophenone-thiazole pharmacophore, counteracts HIF-1 signalling through p53/MDM2-mediated HIF-1Î± proteasomal degradation. Angiogenesis, 2017, 20, 55-71.	3.7	43
5	Synthesis of coumarin analogs appended with quinoline and thiazole moiety and their apoptogenic role against murine ascitic carcinoma. Biomedicine and Pharmacotherapy, 2019, 112, 108707.	2.5	42
6	Synthesis, crystal structure, DFT calculations, Hirshfeld surface analysis, energy frameworks, molecular dynamics and docking studies of novel isoxazolequinoxaline derivative (IZQ) as anti-cancer drug. Journal of Molecular Structure, 2021, 1232, 130004.	1.8	40
7	Synthesis, angiopreventive activity, and in vivo tumor inhibition of novel benzophenoneâ€“benzimidazole analogs. Life Sciences, 2013, 93, 904-911.	2.0	37
8	Design, synthesis and molecular docking of benzophenone conjugated with oxadiazole sulphur bridge pyrazole pharmacophores as anti inflammatory and analgesic agents. Bioorganic Chemistry, 2019, 92, 103220.	2.0	37
9	A tumoural angiogenic gateway blocker, Benzophenone-1B represses the HIF-1Î± nuclear translocation and its target gene activation against neoplastic progression. Biochemical Pharmacology, 2017, 125, 26-40.	2.0	35
10	Antiangiogenic effect of 2-benzoylâ€“phenoxy acetamide in EAT cell is mediated by HIF-1Î± and down regulation of VEGF of in-vivo. Investigational New Drugs, 2006, 24, 471-478.	1.2	32
11	Synthesis of some newer analogues of substituted dibenzoyl phenol as potent anti-inflammatory agents. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 5351-5355.	1.0	30
12	Synthesis, characterization, biological and catalytic applications of transition metal complexes derived from Schiff base. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3559-3564.	1.0	30
13	Synthesis and anti-inflammatory activity of 2-aryloxy methyl oxazolines. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4597-4601.	1.0	29
14	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. Journal of Molecular Structure, 2020, 1199, 127024.	1.8	29
15	Synthesis and antiproliferative activity of benzophenone tagged pyridine analogues towards activation of caspase activated DNase mediated nuclear fragmentation in Daltonâ€™s lymphoma. Bioorganic Chemistry, 2016, 65, 73-81.	2.0	28
16	Design-based synthesis, molecular docking analysis of an anti-inflammatory drug, and geometrical optimization and interaction energy studies of an indole acetamide derivative. Journal of Molecular Structure, 2020, 1202, 127244.	1.8	27
17	Competent synthesis of biaryl analogs via asymmetric Suzukiâ€“Miyaura cross-coupling for the development of anti-inflammatory and analgesic agents. Journal of the Iranian Chemical Society, 2022, 19, 2421-2436.	1.2	27
18	The Novel 4-Phenyl-2-Phenoxyacetamide Thiazoles modulates the tumor hypoxia leading to the crackdown of neoangiogenesis and evoking the cell death. European Journal of Medicinal Chemistry, 2018, 143, 1826-1839.	2.6	26

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19	Synthesis, Elucidation, Hirshfeld surface analysis, and DFT calculations of 4-chloro-N-[2-(2-1H-indol-3-yl-acetylamino)-phenyl]-benzamide. Journal of Molecular Structure, 2019, 1178, 384-393.	1.8	25
20	Synthesis, docking and biological evaluation of thiadiazole and oxadiazole derivatives as antimicrobial and antioxidant agents. Results in Chemistry, 2020, 2, 100045.	0.9	24
21	Design and synthesis of diamide-coupled benzophenones as potential anticancer agents. European Journal of Medicinal Chemistry, 2016, 115, 342-351.	2.6	23
22	Synthesis, crystal structure, spectroscopic characterization, docking simulation and density functional studies of 1-(3,4-dimethoxyphenyl) -3-(4-flurophenyl)-propan-1-one. Journal of Molecular Structure, 2018, 1161, 199-217.	1.8	23
23	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.	1.2	23
24	The anti-invasive role of novel synthesized pyridazine hydrazide appended phenoxy acetic acid against neoplastic development targeting matrix metallo proteases. Biomedicine and Pharmacotherapy, 2017, 95, 375-386.	2.5	21
25	Synthesis and biological evaluation of salicylic acid conjugated isoxazoline analogues on immune cell proliferation and angiogenesis. European Journal of Medicinal Chemistry, 2016, 114, 153-161.	2.6	19
26	Molecular docking and synthesis of caffeic acid analogous and its anti-inflammatory, analgesic and ulcerogenic studies. Bioorganic and Medicinal Chemistry Letters, 2021, 33, 127743.	1.0	19
27	Synthesis, crystal structure and 3D energy frameworks of ethyl 2-[5-nitro-2-oxopyridine-1(2H)-yl] acetate: Hirshfeld surface analysis and DFT calculations. Chemical Data Collections, 2019, 20, 100195.	1.1	18
28	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 Î±-Glucosidase Inhibitor. Crystals, 2022, 12, 960.	1.0	18
29	Synthesis, Xanthine Oxidase Inhibition, and Antioxidant Screening of Benzophenone Tagged Thiazolidinone Analogs. Archiv Der Pharmazie, 2014, 347, 589-598.	2.1	17
30	Crystal packing analysis of 1-(3,4-dimethoxyphenyl)-3-(4-bromophenyl)prop-2-en-1-one exhibiting a putative halogen bond C Brâ‹¯O. Journal of Molecular Structure, 2018, 1156, 216-223.	1.8	17
31	Synthesis, Antioxidant, and Xanthine Oxidase Inhibitory Activities of 5â€{4â€[2â€(5â€‹scp›E‹/scp›thylâ€2â€pyridinyl)ethoxy]phenyl]methyl]â€2,4â€thiazolidinedione Derivatives. Archiv Der Pharmazie, 2014, 347, 247-255.	2.1	16
32	Synthesis of novel morpholine conjugated benzophenone analogues and evaluation of antagonistic role against neoplastic development. Bioorganic Chemistry, 2017, 71, 55-66.	2.0	16
33	Molecular Structure, DFT, Vibrational Spectra with Fluorescence Effect, Hirshfeld Surface, Docking Simulation and Antioxidant Activity of Thiazole Derivative. ChemistrySelect, 2019, 4, 4544-4558.	0.7	15
34	Targeting HIF-1Î± by newly synthesized Indolephenoxyacetamide (IPA) analogs to induce anti-angiogenesis-mediated solid tumor suppression. Pharmacological Reports, 2021, 73, 1328-1343.	1.5	15
35	Novel hemicyanine sensitizers based on benzothiazole-indole for dye-sensitized solar cells: Synthesis, optoelectrical characterization and efficiency of solar cell. Journal of Molecular Structure, 2021, 1224, 128836.	1.8	14
36	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.	1.2	14

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37	Microwave-assisted synthesis of 2-amino and 2-azetidinonyl 5-(2-benzoyl-phenoxymethyl) 1,3,4-oxadiazoles. Heteroatom Chemistry, 2004, 15, 37-42.	0.4	11
38	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.	1.2	10
39	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.	1.8	10
40	The critical role of novel benzophenone analogs on tumor growth inhibition targeting angiogenesis and apoptosis. MedChemComm, 2018, 9, 639-656.	3.5	9
41	Synthesis, structure and molecular docking analysis of an anticancer drug of N-(2-aminophenyl)-2-(2-isopropylphenoxy) acetamide. Molecular Crystals and Liquid Crystals, 2018, 675, 85-95.	0.4	9
42	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. Journal of Molecular Structure, 2021, 1237, 130282.	1.8	9
43	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.	1.8	9
44	Design and synthesis of conjugated azo-hydrazone analogues using nano BF3Â·SiO2 targeting ROS homeostasis in oncogenic and vascular progression. Biomedicine and Pharmacotherapy, 2017, 95, 419-428.	2.5	8
45	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. Medicinal Chemistry Research, 2019, 28, 1132-1160.	1.1	8
46	Synthesis, structural characterization, and DFT studies of anti-cancer drug N-(2-Aminophenyl)-2-(4-bromophenoxy)acetamide. Heliyon, 2021, 7, e06464.	1.4	8
47	Synthesis, crystal structure, Hirshfeld surface analysis, DFT calculations, 3D energy frameworks studies of Schiff base derivative 2,2â€²-((1Z,1â€²Z)-(1,2-phenylene bis(azanylylidene)) bis(methanylylidene)) diphenol. Journal of Molecular Structure, 2021, 1244, 130910.	1.8	8
48	Synthesis, in silico study and in vitro anti-microbial evaluation of some new N-benzoyl-N'-[2-(4-chloro-phenoxy)-acetyl]-hydrazides analogs. Journal of Applied Pharmaceutical Science, 2019, 9, 42-49.	0.7	8
49	Synthesis, crystal structure and Hirshfeld surfaces of 1-(3,4-dimethoxyphenyl)-3-(3-hydroxyphenyl) propâ€‘2-en-1-one. Chemical Data Collections, 2018, 15-16, 153-160.	1.1	7
50	Optimized nano-perovskite lanthanum cuprate decorated PVA based solid polymer electrolyte. Polymer-Plastics Technology and Materials, 2020, 59, 215-229.	0.6	7
51	Synthesis, crystal structure characterization, DFT calculations, Hirshfeld surface analysis and 3D energy frameworks of triazole pyridazine derivatives: Theoretical and experimental studies. Journal of Molecular Structure, 2021, 1246, 131242.	1.8	7
52	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.	1.8	7
53	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.	1.8	6
54	Synthesis of Pyrimidones and Evaluation of Their Xanthine Oxidase Inhibitory and Antioxidant Activities. Archiv Der Pharmazie, 2013, 346, 805-811.	2.1	5

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55	Synthesis, spectroscopic and X-ray crystallographic analysis of N-(2-(2-(4-chlorophenoxy)acetamido)phenyl)-1H-indole-2-carboxamide. European Journal of Chemistry, 2019, 10, 234-238.	0.3	4
56	Statistical Analysis of Antimicrobial Data of 2-[2-(Aroyl)aroyloxy]methyl1, 3, 4 Oxadiazoles analogues Using ANOVA. Asian Journal of Research in Chemistry, 2018, 11, 293.	0.2	4
57	Flaxseed oil ameliorates mercuric chloride-induced liver damage in rats. Journal of Trace Elements in Medicine and Biology, 2022, 71, 126965.	1.5	4
58	Modulation of DNA damage response by targeting ATM kinase using newly synthesized di-phenoxy acetamide (DPA) analogs to induce anti-neoplasia. Pharmacological Reports, 2021, 73, 1344-1360.	1.5	3
59	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.	1.8	3
60	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.	2.2	3
61	Antiproliferative pharmacophore azo-hydrazone analogue BT-1F exerts death signalling pathway targeting STAT3 in solid tumour. Pharmacological Reports, 2022, , 1.	1.5	3
62	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.	1.1	2
63	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.	1.1	2
64	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.	0.4	2
65	Crystal structure, Hirshfeld surface analysis and density functional theory study of 1-nonyl-3-phenylquinoxalin-2-one. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 1037-1042.	0.2	2
66	Synthesis, molecular structure, DFT studies, in silico docking and molecular dynamics simulations of 2,6 dimethoxychalcone derivatives as BRD4 inhibitors. Journal of Molecular Structure, 2021, 1245, 131032.	1.8	2
67	Crystal structure, Hirshfeld surface analysis and density functional theory study of benzyl 2-oxo-1-(prop-2-yn-1-yl)-1,2-dihydroquinoline-4-carboxylate. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 824-828.	0.2	1
68	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.	0.3	1
69	2-(2-Isopropylphenoxy)acetic acid. IUCrData, 2016, 1, .	0.1	1
70	IN VITRO EVALUATION OF HYPOLIPIDEMIC EFFECT OF EXTRACTS OF MEDICINAL DRACAENA CINNABARI BALF. F. RESIN. Asian Journal of Pharmaceutical and Clinical Research, 0, , 118-120.	0.3	1
71	SYNTHESIS AND CRYSTALLOGRAPHIC STRUCTURE ANALYSIS OF 4,4'-OXYDIANILINE. Rasayan Journal of Chemistry, 2019, 12, 2311-2317.	0.2	1
72	THERAPEUTIC POTENTIAL AND IN VITRO ANTHELMINTIC ACTIVITY OF RIDGE GOURD FRUIT. Asian Journal of Pharmaceutical and Clinical Research, 0, , 309-312.	0.3	1

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73	In-silico docking, synthesis, structure analysis, DFT calculations and energy frameworks of metal complexes to regress angiogenesis activity. Journal of Molecular Structure, 2022, 1253, 132272.	1.8	1
74	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.	0.4	1
75	Analysis of Antimicrobial Data of 2-aryloxy methyl oxazoline analogues using ANOVA. Asian Journal of Research in Chemistry, 2018, 11, 307.	0.2	0