Fares Hezam Al-Ostoot

List of Publications by Year in Descending Order

68 papers	707 citations	16 h-index	23 g-index
76 ext. papers	922 ext. citations	3.2 avg, IF	4.4 L-index

#	Paper	IF	Citations
68	Antiproliferative pharmacophore azo-hydrazone analogue BT-1F exerts death signalling pathway targeting STAT3 in solid tumour.. *Pharmacological Reports*, **2022**, 1	3.9	0
67	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	3.4	0
66	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	3.4	0
65	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	3.4	0
64	Flaxseed oil ameliorates mercuric chloride-induced liver damage in rats.. *Journal of Trace Elements in Medicine and Biology*, **2022**, 71, 126965	4.1	0
63	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	3.4	1
62	Anti-neoplastic pharmacophore benzophenone-1 coumarin (BP-1C) targets JAK2 to induce apoptosis in lung cancer. *Apoptosis: an International Journal on Programmed Cell Death*, **2021**, 1	5.4	
61	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*, **2021**, 1250, 131812	3.4	0
60	Synthesis, structural characterization, and DFT studies of anti-cancer drug -(2-Aminophenyl)-2-(4-bromophenoxy)acetamide. *Heliyon*, **2021**, 7, e06464	3.6	0
59	Targeting HIF-1α by newly synthesized Indolephenoxyacetamide (IPA) analogs to induce anti-angiogenesis-mediated solid tumor suppression. *Pharmacological Reports*, **2021**, 73, 1328-1343	3.9	5
58	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	3.4	13
57	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	3.9	1
56	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	3.4	3
55	Molecular docking and synthesis of caffeic acid analogous and its anti-inflammatory, analgesic and ulcerogenic studies. *Bioorganic and Medicinal Chemistry Letters*, **2021**, 33, 127743	2.9	7
54	Tumor angiogenesis: Current challenges and therapeutic opportunities. *Cancer Treatment and Research Communications*, **2021**, 28, 100422	2	8
53	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	2	5
52	Crystal structure, Hirshfeld surface analysis and density functional theory study of benzyl 2-oxo-1-(prop-2-yn-1-yl)-1,2-di-hydro-quinoline-4-carboxyl-ate. *Acta Crystallographica Section E: Crystallographic Communications*, **2021**, 77, 824-828	0.7	

51	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	3.4	7
50	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*, **2021**, 1249, 131588	3.4	1
49	Crystal structure, Hirshfeld surface analysis and density functional theory study of 1-nonyl-3-phenyl-quinoxalin-2-one. *Acta Crystallographica Section E: Crystallographic Communications*, **2021**, 77, 1037-1042	0.7	0
48	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
47	Synthesis, crystal structure, Hirshfeld surface analysis, DFT calculations, 3D energy frameworks studies of Schiff base derivative 2,2?-((1Z,1?Z)-(1,2-phenylene bis(azanylylidene)) bis(methanylylidene)) diphenol. *Journal of Molecular Structure*, **2021**, 1244, 130910	3.4	1
46	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	3.4	1
45	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	3.4	4
44	Synthesis, docking and biological evaluation of thiadiazole and oxadiazole derivatives as antimicrobial and antioxidant agents. *Results in Chemistry*, **2020**, 2, 100045	2.1	10
43	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	3.4	15
42	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	3.4	16
41	Optimized nano-perovskite lanthanum cuprate decorated PVA based solid polymer electrolyte. *Polymer-Plastics Technology and Materials*, **2020**, 59, 215-229	1.5	5
40	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	5.1	22
39	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	2.2	6
38	Molecular Structure, DFT, Vibrational Spectra with Fluorescence Effect, Hirshfeld Surface, Docking Simulation and Antioxidant Activity of Thiazole Derivative. *ChemistrySelect*, **2019**, 4, 4544-4558	1.8	8
37	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	2.1	9
36	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	0.6	3
35	Synthesis, in silico study and in vitro anti-microbial evaluation of some new N-benzoyl-NS[2-(4-chloro-phenoxy)-acetyl]-hydrazides analogs. *Journal of Applied Pharmaceutical Science*, **2019**, 9, 42-49	2	5
34	Synthesis of coumarin analogs appended with quinoline and thiazole moiety and their apoptogenic role against murine ascitic carcinoma. *Biomedicine and Pharmacotherapy*, **2019**, 112, 108707	7.5	27

33	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	3.4	20
32	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	3.4	11
31	The critical role of novel benzophenone analogs on tumor growth inhibition targeting angiogenesis and apoptosis. *MedChemComm*, **2018**, 9, 639-656	5	6
30	Crystal packing analysis of 1-(3,4-dimethoxyphenyl)-3-(4-bromophenyl)prop-2-en-1-one exhibiting a putative halogen bond C Br?O. *Journal of Molecular Structure*, **2018**, 1156, 216-223	3.4	15
29	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	6.8	19
28	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	0.5	8
27	Synthesis, crystal structure and Hirshfeld surfaces of 1-(3,4-dimethoxyphenyl)-3-(3-hydroxyphenyl) prop-2-en-1-one. *Chemical Data Collections*, **2018**, 15-16, 153-160	2.1	7
26	Synthesis of novel morpholine conjugated benzophenone analogues and evaluation of antagonistic role against neoplastic development. *Bioorganic Chemistry*, **2017**, 71, 55-66	5.1	8
25	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	2.1	2
24	Design and synthesis of conjugated azo-hydrazone analogues using nano BF□SiO targeting ROS homeostasis in oncogenic and vascular progression. *Biomedicine and Pharmacotherapy*, **2017**, 95, 419-428	7.5	6
23	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	7.5	14
22	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	2.1	2
21	A tumoural angiogenic gateway blocker, Benzophenone-1B represses the HIF-1□nuclear translocation and its target gene activation against neoplastic progression. *Biochemical Pharmacology*, **2017**, 125, 26-40	6	26
20	BP-1T, an antiangiogenic benzophenone-thiazole pharmacophore, counteracts HIF-1 signalling through p53/MDM2-mediated HIF-1□proteasomal degradation. *Angiogenesis*, **2017**, 20, 55-71	10.6	33
19	Design and synthesis of diamide-coupled benzophenones as potential anticancer agents. *European Journal of Medicinal Chemistry*, **2016**, 115, 342-51	6.8	19
18	Synthesis and antiproliferative activity of benzophenone tagged pyridine analogues towards activation of caspase activated DNase mediated nuclear fragmentation in Dalton□s lymphoma. *Bioorganic Chemistry*, **2016**, 65, 73-81	5.1	21
17	2-(2-Isopropylphenoxy)acetic acid. *IUCrData*, **2016**, 1,	0.7	1
16	Synthesis and biological evaluation of salicylic acid conjugated isoxazoline analogues on immune cell proliferation and angiogenesis. *European Journal of Medicinal Chemistry*, **2016**, 114, 153-61	6.8	17

15	Synthesis and tumor inhibitory activity of novel coumarin analogs targeting angiogenesis and apoptosis. *European Journal of Medicinal Chemistry*, **2014**, 75, 211-21	6.8	62
14	Synthesis, antioxidant, and xanthine oxidase inhibitory activities of 5-[4-[2-(5-ethyl-2-pyridinyl)ethoxy]phenyl]methyl]-2,4-thiazolidinedione derivatives. *Archiv Der Pharmazie*, **2014**, 347, 247-55	4.3	10
13	Synthesis, xanthine oxidase inhibition, and antioxidant screening of benzophenone tagged thiazolidinone analogs. *Archiv Der Pharmazie*, **2014**, 347, 589-98	4.3	9
12	Synthesis, characterization, biological and catalytic applications of transition metal complexes derived from Schiff base. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 3559-64	2.9	25
11	Synthesis, angiopreventive activity, and in vivo tumor inhibition of novel benzophenone-benzimidazole analogs. *Life Sciences*, **2013**, 93, 904-11	6.8	31
10	Synthesis of pyrimidones and evaluation of their xanthine oxidase inhibitory and antioxidant activities. *Archiv Der Pharmazie*, **2013**, 346, 805-11	4.3	2
9	Synthesis and anti-inflammatory activity of 2-aryloxy methyl oxazolines. *Bioorganic and Medicinal Chemistry Letters*, **2008**, 18, 4597-601	2.9	21
8	Anti-tumor and proapoptotic effect of novel synthetic benzophenone analogues in Ehrlich ascites tumor cells. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 435-46	3.4	48
7	Antiangiogenic effect of 2-benzoyl-phenoxy acetamide in EAT cell is mediated by HIF-1alpha and down regulation of VEGF of in-vivo. *Investigational New Drugs*, **2006**, 24, 471-8	4.3	28
6	Microwave-assisted synthesis of 2-amino and 2-azetidinonyl 5-(2-benzoyl-phenoxymethyl) 1,3,4-oxadiazoles. *Heteroatom Chemistry*, **2004**, 15, 37-42	1.2	8
5	Synthesis of some newer analogues of substituted dibenzoyl phenol as potent anti-inflammatory agents. *Bioorganic and Medicinal Chemistry Letters*, **2004**, 14, 5351-5	2.9	25
4	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*,1-15	0.5	
3	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*,1	2	6
2	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*,1	2	0
1	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*,1-20	0.5	2