Mahmoud F Abo-Ashour

List of Publications by Year in Descending Order

16 papers	497 citations	12 h-index	16 g-index
16 ext. papers	598 ext. citations	5.8 avg, IF	3.76 L-index

#	Paper	IF	Citations
16	Development of isatin-thiazolo[3,2-a]benzimidazole hybrids as novel CDK2 inhibitors with potent in vitro apoptotic anti-proliferative activity: Synthesis, biological and molecular dynamics investigations. *Bioorganic Chemistry*, **2021**, 110, 104748	5.1	20
15	Identification of N-phenyl-2-(phenylsulfonyl)acetamides/propanamides as new SLC-0111 analogues: Synthesis and evaluation of the carbonic anhydrase inhibitory activities. *European Journal of Medicinal Chemistry*, **2021**, 218, 113360	6.8	13
14	Development of 2-oindolin-3-ylidene-indole-3-carbohydrazide derivatives as novel apoptotic and anti-proliferative agents towards colorectal cancer cells. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2021**, 36, 319-328	5.6	6
13	Novel benzenesulfonamides aryl and arylsulfone conjugates adopting tail/dual tail approaches: Synthesis, carbonic anhydrase inhibitory activity and molecular modeling studies. *European Journal of Medicinal Chemistry*, **2021**, 221, 113486	6.8	11
12	Novel [(-alkyl-3-indolylmethylene)hydrazono]oxindoles arrest cell cycle and induce cell apoptosis by inhibiting CDK2 and Bcl-2: synthesis, biological evaluation and studies. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2020**, 35, 1300-1309	5.6	25
11	3-Methylthiazolo[3,2-a]benzimidazole-benzenesulfonamide conjugates as novel carbonic anhydrase inhibitors endowed with anticancer activity: Design, synthesis, biological and molecular modeling studies. *European Journal of Medicinal Chemistry*, **2020**, 207, 112745	6.8	24
10	Novel synthesized SLC-0111 thiazole and thiadiazole analogues: Determination of their carbonic anhydrase inhibitory activity and molecular modeling studies. *Bioorganic Chemistry*, **2019**, 87, 794-802	5.1	28
9	Application of hydrazino and hydrazido linkers to connect benzenesulfonamides with hydrophilic/phobic tails for targeting the middle region of human carbonic anhydrases active site: Selective inhibitors of hCA IX. *European Journal of Medicinal Chemistry*, **2019**, 179, 547-556	6.8	12
8	3-Hydrazinoisatin-based benzenesulfonamides as novel carbonic anhydrase inhibitors endowed with anticancer activity: Synthesis, in vitro biological evaluation and in silico insights. *European Journal of Medicinal Chemistry*, **2019**, 184, 111768	6.8	27
7	SLC-0111 enaminone analogs, 3/4-(3-aryl-3-oxopropenyl) aminobenzenesulfonamides, as novel selective subnanomolar inhibitors of the tumor-associated carbonic anhydrase isoform IX. *Bioorganic Chemistry*, **2019**, 83, 549-558	5.1	40
6	Enhancement of the tail hydrophobic interactions within the carbonic anhydrase IX active site via structural extension: Design and synthesis of novel N-substituted isatins-SLC-0111 hybrids as carbonic anhydrase inhibitors and antitumor agents. *European Journal of Medicinal Chemistry*, **2019**,	6.8	63
5	Novel [(3-indolylmethylene)hydrazono]indolin-2-ones as apoptotic anti-proliferative agents: design, synthesis and in vitro biological evaluation. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2018**, 33, 686-700	5.6	47
4	Novel hydrazido benzenesulfonamides-isatin conjugates: Synthesis, carbonic anhydrase inhibitory activity and molecular modeling studies. *European Journal of Medicinal Chemistry*, **2018**, 157, 28-36	6.8	39
3	Novel indole-thiazolidinone conjugates: Design, synthesis and whole-cell phenotypic evaluation as a novel class of antimicrobial agents. *European Journal of Medicinal Chemistry*, **2018**, 160, 49-60	6.8	45
2	Synthesis and biological evaluation of 2-aminothiazole-thiazolidinone conjugates as potential antitubercular agents. *Future Medicinal Chemistry*, **2018**, 10, 1405-1419	4.1	8
1	Novel 4/3-((4-oxo-5-(2-oxoindolin-3-ylidene)thiazolidin-2-ylidene)amino) benzenesulfonamides: Synthesis, carbonic anhydrase inhibitory activity, anticancer activity and molecular modelling studies. *European Journal of Medicinal Chemistry*, **2017**, 139, 250-262	6.8	89