Zaman Ashraf

List of Publications by Year
in descending order

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81	1,532	331670	345221
papers	citations	21 h-index	36 g-index

83	83	83	1983
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quinazolines and quinazolinones as ubiquitous structural fragments in medicinal chemistry: An update on the development of synthetic methods and pharmacological diversification. Bioorganic and Medicinal Chemistry, 2016, 24, 2361-2381.	3.0	202
2	Exploration of Novel Human Tyrosinase Inhibitors by Molecular Modeling, Docking and Simulation Studies. Interdisciplinary Sciences, Computational Life Sciences, 2018, 10, 68-80.	3.6	87
3	Synthesis, kinetic mechanism and docking studies of vanillin derivatives as inhibitors of mushroom tyrosinase. Bioorganic and Medicinal Chemistry, 2015, 23, 5870-5880.	3.0	85
4	First macrocyclic 3 rd -generation ALK inhibitor for treatment of ALK/ROS1 cancer: Clinical and designing strategy update of lorlatinib. European Journal of Medicinal Chemistry, 2017, 134, 348-356.	5.5	79
5	Kinetic and in silico studies of novel hydroxy-based thymol analogues as inhibitors of mushroom tyrosinase. European Journal of Medicinal Chemistry, 2015, 98, 203-211.	5.5	61
6	Carvacrol derivatives as mushroom tyrosinase inhibitors; synthesis, kinetics mechanism and molecular docking studies. PLoS ONE, 2017, 12, e0178069.	2.5	50
7	Synthesis, in-vitro, in-vivo anti-inflammatory activities and molecular docking studies of acyl and salicylic acid hydrazide derivatives. Bioorganic Chemistry, 2020, 104, 104168.	4.1	48
8	Succinamide Derivatives Ameliorate Neuroinflammation and Oxidative Stress in Scopolamine-Induced Neurodegeneration. Biomolecules, 2020, 10, 443.	4.0	47
9	Development of highly potent melanogenesis inhibitor by in vitro, in vivo and computational studies. Drug Design, Development and Therapy, 2017, Volume 11, 2029-2046.	4.3	44
10	Hydroxyl substituted benzoic acid/cinnamic acid derivatives: Tyrosinase inhibitory kinetics, anti-melanogenic activity and molecular docking studies. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 126722.	2.2	40
11	Iminothiazolineâ€Sulfonamide Hybrids as Jack Bean Urease Inhibitors; Synthesis, Kinetic Mechanism and Computational Molecular Modeling. Chemical Biology and Drug Design, 2016, 87, 434-443.	3.2	38
12	Design, synthesis and bioevaluation of novel umbelliferone analogues as potential mushroom tyrosinase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 874-883.	5.2	37
13	Pharmacoinformatics exploration of polyphenol oxidases leading to novel inhibitors by virtual screening and molecular dynamic simulation study. Computational Biology and Chemistry, 2017, 68, 131-142.	2.3	36
14	Influence of plasma-activated compounds on melanogenesis and tyrosinase activity. Scientific Reports, 2016, 6, 21779.	3.3	35
15	Metal-catalyzed synthesis of isocoumarin derivatives (microreview). Chemistry of Heterocyclic Compounds, 2016, 52, 149-151.	1.2	28
16	Isolation, characterization, and in silico, in vitro and in vivo antiulcer studies of isoimperatorin crystallized from Ostericum koreanum. Pharmaceutical Biology, 2017, 55, 218-226.	2.9	26
17	Vibrational spectra and molecular structure of isomeric 1-(adamantan-1-ylcarbonyl)-3-(dichlorophenyl)thioureas. Journal of Molecular Structure, 2017, 1129, 283-291.	3.6	26
18	Sodium borohydride reduction of aromatic carboxylic acids via methyl esters. Journal of Chemical Sciences, 2006, 118, 419-423.	1.5	25

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19	Synthesis of aryl pyrazole via Suzuki coupling reaction, in vitro mushroom tyrosinase enzyme inhibition assay and in silico comparative molecular docking analysis with Kojic acid. Bioorganic Chemistry, 2018, 79, 293-300.	4.1	25
20	An investigation of supramolecular synthons in 1,2,4-triazole-3(4H)-thione compounds. X-ray crystal structures, energetic and Hirshfeld surface analysis. Journal of Molecular Structure, 2019, 1195, 796-806.	3.6	25
21	Synthesis, enzyme inhibitory kinetics, and computational studies of novel 1â€(2â€(4â€isobutylphenyl)) Tj ETQq1 1 0.784314 rgBT /Ov 434-447.	3.2	24
22	Synthesis, computational studies, tyrosinase inhibitory kinetics and antimelanogenic activity of hydroxy substituted 2-[(4-acetylphenyl)amino]-2-oxoethyl derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1562-1572.	5.2	22
23	Synthesis of some 3â€arylâ€1<i>H</i>â€isochromeneâ€1â€thiones. Journal of Heterocyclic Chemistry, 2008, 45, 679-682.	2.6	18
24	Flurbiprofen–antioxidant mutual prodrugs as safer nonsteroidal anti-inflammatory drugs: synthesis, pharmacological investigation, and computational molecular modeling. Drug Design, Development and Therapy, 2016, Volume 10, 2401-2419.	4.3	18
25	Design, synthesis and biological evaluation of trinary benzocoumarin-thiazoles-azomethines derivatives as effective and selective inhibitors of alkaline phosphatase. Bioorganic Chemistry, 2019, 91, 103137.	4.1	18
26	Designing novel anticancer sulfonamide based 2,5-disubstituted-1,3,4-thiadiazole derivatives as potential carbonic anhydrase inhibitor. Journal of Molecular Structure, 2021, 1246, 131145.	3.6	18
27	Design, synthesis and docking studies of some novel isocoumarin analogues as antimicrobial agents. RSC Advances, 2014, 4, 53842-53853.	3.6	17
28	2-Benzylidenebenzofuran-3(2<i>H</i>)-ones as a new class of alkaline phosphatase inhibitors: synthesis, SAR analysis, enzyme inhibitory kinetics and computational studies. RSC Advances, 2021, 11, 35077-35092.	3.6	17
29	Molecular Docking, Synthesis, and Tyrosinase Inhibition Activity of Acetophenone Amide: Potential Inhibitor of Melanogenesis. BioMed Research International, 2022, 2022, 1-10.	1.9	17
30	Dexibuprofen amide derivatives as potential anticancer agents: synthesis, in silico docking, bioevaluation, and molecular dynamic simulation . Drug Design, Development and Therapy, 2019, Volume 13, 1643-1657.	4.3	16
31	Synthesis, computational studies and enzyme inhibitory kinetics of substituted tyrosinase inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 5929-5938.	3.0	15
32	Synthesis, density functional theory (DFT) studies and urease inhibition activity of chiral benzimidazoles. Heliyon, 2020, 6, e05187.	3.2	14
33	Antihyperlipidemic studies of newly synthesized phenolic derivatives: in silico and in vivo approaches. Drug Design, Development and Therapy, 2018, Volume 12, 2443-2453.	4.3	13
34	Novel Amide Derivatives as Potent Tyrosinase Inhibitors; In-vitro, In-vivo Antimelanogenic Activity and Computational Studies. Medicinal Chemistry, 2019, 15, 715-728.	1.5	13
35	Synthesis and enzyme inhibitory kinetics of some novel 3-(substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (benzoy Chemistry Research, 2018, 27, 1528-1537.	2.4	11
36	Substituted phenyl[(5-benzyl-1,3,4-oxadiazol-2-yl)sulfanyl]acetates/acetamides as alkaline phosphatase inhibitors: Synthesis, computational studies, enzyme inhibitory kinetics and DNA binding studies. Bioorganic Chemistry, 2019, 90, 103108.	4.1	11

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37	Novel Penicillin Analogues as Potential Antimicrobial Agents; Design, Synthesis and Docking Studies. PLoS ONE, 2015, 10, e0135293.	2.5	11
38	Exploring Amantadine Derivatives as Urease Inhibitors: Molecular Docking and Structureâ€“Activity Relationship (SAR) Studies. Molecules, 2021, 26, 7150.	3.8	11
39	Synthesis, Bioevaluation and Molecular Dynamic Simulation Studies of Dexibuprofenâ€“Antioxidant Mutual Prodrugs. International Journal of Molecular Sciences, 2016, 17, 2151.	4.1	10
40	Synthesis, carbonic anhydrase inhibitory activity and antioxidant activity of some 1,3â€oxazine derivatives. Drug Development Research, 2018, 79, 352-361.	2.9	10
41	A Review on the Scope of TFDO-Mediated Oxidation in Organic Synthesis-- Reactivity and Selectivity. Current Organic Synthesis, 2018, 15, 1091-1108.	1.3	10
42	Synthesis, characterization of amide substituted dexibuprofen derivatives and their spectral, voltammetric and docking investigations for DNA binding interactions. Journal of Photochemistry and Photobiology B: Biology, 2017, 169, 134-147.	3.8	9
43	Charge transfer and opto-electronic properties of some newly designed polycatenar discotic liquid crystal derivatives: a DFT study. Journal of Molecular Modeling, 2020, 26, 291.	1.8	9
44	Synthesis, characterization, biological evaluation and molecular docking studies of N-functionalized derivatives of 2-aminobenzohydrazide. Journal of Molecular Structure, 2020, 1210, 128042.	3.6	9
45	Methoxy-Substituted Tyramine Derivatives Synthesis, Computational Studies and Tyrosinase Inhibitory Kinetics. Molecules, 2021, 26, 2477.	3.8	9
46	Efficient synthesis of some 3-arylisoquinolin-1(2H)-ones. Chemistry of Heterocyclic Compounds, 2008, 44, 967-972.	1.2	8
47	Synthesis, characterization and in vitro hydrolysis studies of ester and amide prodrugs of dexibuprofen. Medicinal Chemistry Research, 2012, 21, 3361-3368.	2.4	8
48	potential alkaline phosphatase inhibitors. Drug Development Research, 2019, 80, 646-654.	2.9	8
49	Design, Synthesis and Biological Evaluation of 2â€(naphthoyl) iminothiazolidinâ€4â€ones as Potential Anticancer Agents. ChemistrySelect, 2020, 5, 3965-3970.	1.5	8
50	Enzyme Inhibitory Kinetics and Molecular Docking Studies of Halo-Substituted Mixed Ester/Amide-Based Derivatives as Jack Bean Urease Inhibitors. BioMed Research International, 2020, 2020, 1-11.	1.9	8
51	Synthesis and antibacterial evaluation of typharin analog: 6,8-dihydroxy-7-methyl-3-styryl-3,4-dihydroisocoumarin. Journal of Asian Natural Products Research, 2013, 15, 130-135.	1.4	7
52	Sulfonamide-Based Azaheterocyclic Schiff Base Derivatives as Potential Carbonic Anhydrase Inhibitors: Synthesis, Cytotoxicity, and Enzyme Inhibitory Kinetics. BioMed Research International, 2020, 2020, 1-9.	1.9	7
53	Triphenylamine based redox-active, fluorescent polyamides: synthesis and photophysics. Journal of Polymer Research, 2020, 27, 1.	2.4	6
54	Antihyperlipidemic effect of selected pyrimidine derivatives mediated through multiple pathways. Fundamental and Clinical Pharmacology, 2021, 35, 1119-1132.	1.9	6

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55	Synthesis, Biological Evaluation, 2D-QSAR, and Molecular Simulation Studies of Dihydropyrimidinone Derivatives as Alkaline Phosphatase Inhibitors. ACS Omega, 2022, 7, 7139-7154.	3.5	6
56	Synthesis and crystal structures of the potential tyrosinase inhibitorsN-(4-acetylphenyl)-2-chloroacetamide and 2-(4-acetylanilino)-2-oxoethyl cinnamate. Acta Crystallographica Section C, Structural Chemistry, 2016, 72, 94-98.	0.5	5
57	Latest perspectives of orally bioavailable 2,4-diarylaminopyrimidine analogues (DAAPalogues) as anaplastic lymphoma kinase inhibitors: discovery and clinical developments. RSC Advances, 2018, 8, 16470-16493.	3.6	5
58	Understanding the enzymatic inhibition of intestinal alkaline phosphatase by aminophenazone-derived aryl thioureas with aided computational molecular dynamics simulations: synthesis, characterization, SAR and kinetic profiling. Molecular Diversity, 2021, 25, 1701-1715.	3.9	5
59	Synthesis, DFT, electrochemical, biological and DNA-interaction studies of a novel copper(II) complex of salicylic acid and N-tosyl substituted benzimidazole. Journal of Coordination Chemistry, 2020, 73, 52-66.	2.2	5
60	4-Aminocoumarin based Aroylthioureas as Potential Jack Bean Urease Inhibitors; Synthesis, Enzyme Inhibitory Kinetics and Docking Studies. Medicinal Chemistry, 2020, 16, 229-243.	1.5	5
61	Finding Novel Anti-carcinomas Compounds by Targeting SFRP4 Through Molecular Modeling, Docking and Dynamic Simulation Studies. Current Computer-Aided Drug Design, 2018, 14, 160-173.	1.2	5
62	Methyl 3,5-dibromo-4-methylbenzoate. Acta Crystallographica Section E: Structure Reports Online, 2010, 66, o982-o983.	0.2	4
63	Total synthesis and cytotoxic activity of stellatin. Journal of Asian Natural Products Research, 2011, 13, 97-104.	1.4	4
64	Antioxidant Activity and Hepatotoxicity of Flavonoids and Their Metal Complexes Through Coâ€Administration of Î²â€Cyclodextrin. ChemistrySelect, 2019, 4, 9420-9432.	1.5	4
65	Synthesis, Biological Evaluation and Molecular Docking Studies of Novel Coumarinylthiazolyl Iminothiazolidinone Hybrids as Potent Urease Inhibitors. ChemistrySelect, 2020, 5, 5387-5390.	1.5	4
66	Novel 5â€Acetylâ€3â€arylâ€2â€thioxoâ€dihydropyrimidineâ€4,6(1H,5H)â€diones: One Pot Threeâ€Component Synthesis, Characterization and Antibacterial Activity. Journal of Heterocyclic Chemistry, 2014, 51, 398-403.	2.6	3
67	Synthesis, Characterization and Investigation of Side Chain Length and/or Substituents Effect on the Liquid Crystal Properties of New Mesogens. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1627-1638.	2.2	2
68	Synthesis, Characterization, Anti-Inflammatory and in Vitro Antimicrobial Activity of Some Novel Alkyl/Aryl Substituted Tertiary Alcohols. Molecules, 2011, 16, 10337-10346.	3.8	2
69	Regiospecific synthesis of some novel N-nucleosides of 4-amino-5-substituted-1,2,4-triazole-3-thiones and their in-vitro antimicrobial activity. European Journal of Chemistry, 2012, 3, 485-492.	0.6	2
70	Design, Synthesis, Crystal Structure, Fluorescence, Molecular Docking and DFT Studies of 3,6-Dinitro-N-octylcarbazole. Current Organic Chemistry, 2019, 23, 1681-1687.	1.6	2
71	In silico approach for the development of phenolic derivatives as potential anti-angiogenic agents against lysyl oxidase-like 2 enzyme. Future Journal of Pharmaceutical Sciences, 2022, 8, .	2.8	2
72	Synthesis and Characterization of Some Novel 4-Aryloxy Substituted Pyrazoles. Asian Journal of Chemistry, 2014, 26, 7435-7438.	0.3	1

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73	Crystal structure of 5-hydroxymethyl-2-methoxyphenol. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, o540-o541.	0.5	1
74	Crystal structure of 2-(4-acetylanilino)-2-oxoethyl 3-(4-hydroxyphenyl)propionate. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 933-936.	0.5	1
75	Polyimides with noncoplanar Carbazole-TPA units: synthesis and characterization. Polymer-Plastics Technology and Materials, 2021, 60, 536-549.	1.3	1
76	A Practical Method of N â€Methylpyrrole Disulfonamides Synthesis: Computational Studies, Carbonic Anhydrase Inhibition and Electrochemical DNA Binding Investigations. ChemistrySelect, 2021, 6, 7376-7383.	1.5	1
77	Synthesis, characterization and biological evaluation of thiadiazole amide derivatives as nucleoside triphosphate diphosphohydrolases (NTPDases) inhibitors. Bioorganic Chemistry, 2022, 118, 105456.	4.1	1
78	Synthesis, in vitro antibacterial and antifungal activity of some n-acetylated and non-acetylated pyrazolines. Pakistan Journal of Pharmaceutical Sciences, 2013, 26, 67-73.	0.2	1
79	2-Chloro-5-nitroaniline. Acta Crystallographica Section E: Structure Reports Online, 2009, 65, o1417-o1417.	0.2	0
80	Synthesis, crystal structure and DNA binding interactions of ethyl 2-(2-acetamidothiazol-4-yl) acetate: Theoretical and experimental investigations. Journal of Molecular Structure, 2019, 1198, 126903.	3.6	0
81	Synthesis, single crystal X-ray structure and thermal analysis of a novel polycatenar liquid crystal: Theoretical and experimental approaches. Journal of Molecular Structure, 2019, 1177, 1-8.	3.6	0