Aamer Saeed

List of Publications by Year
in descending order

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525 papers	9,496 citations	61984 43 h-index	88630 70 g-index

573 all docs	573 docs citations	573 times ranked	9207 citing authors

#	Article	IF	Citations
1	Structural and functional insight into thiazolidinone derivatives as novel candidates for anticancer drug design: in vitro biological and in-silico strategies. Journal of Biomolecular Structure and Dynamics, 2023, 41, 942-953.	3.5	12
2	Identification of novel C-2 symmetric Bis-Azo-Azamethine molecules as competitive inhibitors of mushroom tyrosinase and free radical scavengers: synthesis, kinetics, and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 4419-4428.	3.5	1
3	Recent Applications of the Dielsâ€“Alder Reaction in the Synthesis of Natural Products (2017â€“2020). Synthesis, 2022, 54, 975-998.	2.3	9
4	Isomeric nitro substituted symmetrical benzamides: Crystal Structures, Hirshfeld surface analysis, 3D energy frameworks, DNA binding and cell line studies. Journal of Molecular Structure, 2022, 1247, 131396.	3.6	4
5	N-(5-acetyl-4-methylthiazol-2-yl)arylamide derivatives as multi-target-directed ligands: design, synthesis, biochemical evaluation and computational analysis. Journal of Chemical Sciences, 2022, 134, 1.	1.5	4
6	Investigations on Anticancer Potentials by DNA Binding and Cytotoxicity Studies for Newly Synthesized and Characterized Imidazolidine and Thiazolidine-Based Isatin Derivatives. Molecules, 2022, 27, 354.	3.8	14
7	New acetylphenol-based acyl thioureas broaden the scope of drug candidates for urease inhibition: synthesis, in vitro screening and in silico analysis. International Journal of Biological Macromolecules, 2022, 198, 157-167.	7.5	17
8	Azomethine-clubbed thiazoles as human tissue non-specific alkaline phosphatase (h-TNAP) and intestinal alkaline phosphatase (h-IAP) Inhibitors: kinetics and molecular docking studies. Molecular Diversity, 2022, 26, 3241-3254.	3.9	3
9	The Development of Highly Fluorescent Hemicyanine and Dicyanoisophorone Dyes for Applications in Dye-Sensitized Solar Cells. Journal of Fluorescence, 2022, 32, 799.	2.5	7
10	Novel adamantyl clubbed iminothiazolidinones as promising elastase inhibitors: design, synthesis, molecular docking, ADMET and DFT studies. RSC Advances, 2022, 12, 11974-11991.	3.6	28
11	Recent trends in chemistry, structure, and various applications of 1-acyl-3-substituted thioureas: a detailed review. RSC Advances, 2022, 12, 12710-12745.	3.6	41
12	Bee Stressors from an Immunological Perspective and Strategies to Improve Bee Health. Veterinary Sciences, 2022, 9, 199.	1.7	21
13	Experimental and Hirshfeld Surface Investigations for Unexpected Aminophenazone Cocrystal Formation under Thiourea Reaction Conditions via Possible Enamine Assisted Rearrangement. Crystals, 2022, 12, 608.	2.2	3
14	Exploring ibuprofen derivatives as Î±â€glucosidase and lipoxygenase inhibitors: Cytotoxicity and in silico studies. Archiv Der Pharmazie, 2022, 355, e2200013.	4.1	4
15	Substituted piperidine as a novel lead molecule for the treatment of Parkinson's disease: Synthesis, crystal structure, hirshfeld surface analysis, and molecular modeling. Journal of Molecular Structure, 2022, 1265, 133350.	3.6	3
16	Structure and surface analyses of a newly synthesized acyl thiourea derivative along with its in silico and in vitro investigations for RNR, DNA binding, urease inhibition and radical scavenging activities. RSC Advances, 2022, 12, 17194-17207.	3.6	6
17	Appraisal of novel azomethineâ€“thioxoimidazolidinone conjugates as ecto-5â€²-nucleotidase inhibitors: synthesis and molecular docking studies. RSC Advances, 2022, 12, 17596-17606.	3.6	3
18	Discovery of Phenylcarbamoylazinane-1,2,4-Triazole Amides Derivatives as the Potential Inhibitors of Aldo-Keto Reductases (AKR1B1 & AKRB10): Potential Lead Molecules for Treatment of Colon Cancer. Molecules, 2022, 27, 3981.	3.8	7

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19	Ultrasound assisted synthesis of 5â€“7 membered heterocyclic rings in organic molecules. Journal of Heterocyclic Chemistry, 2022, 59, 1669-1702.	2.6	12
20	Synthesis, X-Ray crystallography and HF/DFT analysis of N(diethylcarbamothioyl) furan-2-carboxamide, analyzed by experimental and theoretical methods. Journal of Molecular Structure, 2022, 1268, 133721.	3.6	0
21	Synthesis, computational studies and enzyme inhibitory kinetics of benzothiazole-linked thioureas as mushroom tyrosinase inhibitors. Journal of Biomolecular Structure and Dynamics, 2021, 39, 7035-7043.	3.5	11
22	Synthesis, characterization, alkaline phosphatase inhibition assay and molecular modeling studies of 1-benzylidene-2-(4-tert- butylthiazol-2-yl) hydrazines. Journal of Biomolecular Structure and Dynamics, 2021, 39, 6140-6153.	3.5	11
23	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
24	New aryl Schiff bases of thiadiazole derivative of ibuprofen as DNA binders and potential anticancer drug candidates. Journal of Biomolecular Structure and Dynamics, 2021, 39, 3548-3564.	3.5	11
25	Synthesis, characterization, antimicrobial, antioxidant and computational evaluation of N-acyl-morpholine-4-carbothioamides. Molecular Diversity, 2021, 25, 763-776.	3.9	18
26	Screening for natural and derived bio-active compounds in preclinical and clinical studies: One of the frontlines of fighting the coronaviruses pandemic. Phytomedicine, 2021, 85, 153311.	5.3	51
27	Facile synthesis of novel fluorescent thiazole coumarinyl compounds: Electrochemical, time resolve fluorescence, and solvatochromic study. Journal of Molecular Structure, 2021, 1227, 129422.	3.6	11
28	Natural isocoumarins: Structural styles and biological activities, the revelations carry on â€¦. Phytochemistry, 2021, 181, 112568.	2.9	37
29	Exploring natural products-based cancer therapeutics derived from egyptian flora. Journal of Ethnopharmacology, 2021, 269, 113626.	4.1	23
30	Designing benzothiadiazole based non-fullerene acceptors with high open circuit voltage and higher LUMO level to increase the efficiency of organic solar cells. Optik, 2021, 228, 166138.	2.9	48
31	A review featuring the fundamentals and advancements of polymer/CNT nanocomposite application in aerospace industry. Polymer Bulletin, 2021, 78, 539-557.	3.3	52
32	Synthesis, characterization, in vitro biological and computational evaluation of 5-benzyl-4-(benzylideneamino)-2H-1,2,4-triazole-3(4H)-thiones. Journal of the Iranian Chemical Society, 2021, 18, 1965-1977.	2.2	3
33	Synthesis, characterization, in vitro biological and molecular docking evaluation of N,N'-(ethane-1,2-diyl)bis(benzamides). Journal of the Iranian Chemical Society, 2021, 18, 2425-2436.	2.2	4
34	In Vitro Anticancer Effects of Stilbene Derivatives: Mechanistic Studies on HeLa and MCF-7 Cells. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, 793-802.	1.7	0
35	Effect of organic solvents on solvatochromic, fluorescence, and electrochemical properties of synthesized thiazolylcoumarin derivatives. Luminescence, 2021, 36, 1189-1197.	2.9	8
36	Graphene Oxide-Doped MgO Nanostructures for Highly Efficient Dye Degradation and Bactericidal Action. Nanoscale Research Letters, 2021, 16, 56.	5.7	58

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37	Synthesis, X-ray, Hirshfeld surface analysis, exploration of DNA binding, urease enzyme inhibition and anticancer activities of novel adamantane-naphthyl thiourea conjugate. Bioorganic Chemistry, 2021, 109, 104707.	4.1	19
38	New Hybrid Scaffolds Based on Carbazole-Chalcones as Potent Anticancer Agents. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, 1082-1091.	1.7	3
39	Development of Multi-concentration Cu:Ag Bimetallic Nanoparticles as a Promising Bactericidal for Antibiotic-Resistant Bacteria as Evaluated with Molecular Docking Study. Nanoscale Research Letters, 2021, 16, 91.	5.7	30
40	Benzimidazole tethered thioureas as a new entry to elastase inhibition and free radical scavenging: Synthesis, molecular docking, and enzyme inhibitory kinetics. Journal of Heterocyclic Chemistry, 2021, 58, 1929.	2.6	1
41	New Heterocyclic Azo Dyes: Design, Synthesis, and Application on Leather. Fibers and Polymers, 2021, 22, 3385-3392.	2.1	1
42	Identification of a novel click-derived 1,2,3-triazole as selective Hg2+ ion detector: computational and experimental investigations. Chemical Papers, 2021, 75, 6377-6388.	2.2	1
43	Synthesis, conformation and Hirshfeld surface analysis of benzoxazole methyl ester as a versatile building block for heterocycles. Heliyon, 2021, 7, e08042.	3.2	4
44	Investigation of stable solid diazonium salt by molecular structure, Hirshfeld surface analysis, optical and electrochemical studies, and applications. Journal of Molecular Modeling, 2021, 27, 296.	1.8	4
45	Divergent synthesis and elaboration of structure activity relationship for quinoline derivatives as highly selective NTPDase inhibitor. Bioorganic Chemistry, 2021, 115, 105240.	4.1	6
46	Synthesis of and molecular docking studies of azomethine- tethered sulfonamides as carbonic anhydrase II & 15-lipoxygenase inhibitors. Journal of Molecular Structure, 2021, 1243, 130821.	3.6	7
47	Synthesis, characterization and biological evaluation of indomethacin derived thioureas as purinergic (P2Y1, P2Y2, P2Y4, and P2Y6) receptor antagonists. Bioorganic Chemistry, 2021, 116, 105378.	4.1	6
48	Intra- and intermolecular Nâ€“Hâ€¢â€¢â€¢O=C hydrogen bonds in 1-acyl urea compounds: Synthesis, X-ray structure, conformational and Hirshfeld surface analyses of 1-(2,3-dichlorophenyl)-3-pivaloylurea. Journal of Molecular Structure, 2021, 1245, 131271.	3.6	5
49	Synthesis, kinetics and biological assay of some novel aryl bis-thioureas: A potential drug candidates for Alzheimer's disease. Journal of Molecular Structure, 2021, 1246, 131136.	3.6	8
50	Preparation, structure determination, and in silico and in vitro Elastase inhibitory properties of substituted N-([1,1â€²-Biphenyl]-2-ylcarbamothioyl)- Aryl/Alkyl benzamide Derivatives. Journal of Molecular Structure, 2021, 1245, 130993.	3.6	3
51	TBAI-assisted direct Câ€“H activation of indoles with Î²-E-styrene sulfonyl hydrazides: a stereoselective access to 3-styryl thioindoles. RSC Advances, 2021, 11, 15608-15616.	3.6	3
52	Hydrazine clubbed 1,3-thiazoles as potent urease inhibitors: design, synthesis and molecular docking studies. Molecular Diversity, 2021, 25, 1-13.	3.9	22
53	Corrosion-related failures in heat exchangers. Corrosion Reviews, 2021, .	2.0	5
54	Photo-redox catalyzed dehydrazinative acylation of N-heterocycles via Minisci reaction. RSC Advances, 2021, 11, 38683-38689.	3.6	2

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55	Exploring Amantadine Derivatives as Urease Inhibitors: Molecular Docking and Structureâ€“Activity Relationship (SAR) Studies. Molecules, 2021, 26, 7150.	3.8	11
56	Cosmetic Applications of Bee Venom. Toxins, 2021, 13, 810.	3.4	9
57	COMPUTATIONAL INVESTIGATIONS, HIRSHFELD SURFACE ANALYSIS, INTERACTION ENERGY CALCULATIONS, AND ENERGY FRAMEWORK CRYSTAL STRUCTURE OF METHYL 2-AMINO-5-HYDROXYBENZOATE. Journal of Structural Chemistry, 2021, 62, 1745-1758.	1.0	1
58	Synthesis of novel hybrid pharmacophore of N â€(<scp>4â€sulfamoylphenyl</scp>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 T inhibitors. Drug Development Research, 2021, , .	2.9	3
59	Recent developments and comparison of transformation strategies for organic halides to aldehydes and ketones. Molecular Diversity, 2020, 24, 571-592.	3.9	4
60	Investigation of thermal and fluorescent properties of benzoxazole-linked triphenylamine-based co-polyimides. High Performance Polymers, 2020, 32, 231-241.	1.8	2
61	Exploring biological efficacy of coumarin clubbed thiazolo[3,2â€“b][1,2,4]triazoles as efficient inhibitors of urease: A biochemical and in silico approach. International Journal of Biological Macromolecules, 2020, 142, 345-354.	7.5	31
62	Recent insights into chemical and pharmacological studies of bee bread. Trends in Food Science and Technology, 2020, 97, 300-316.	15.1	67
63	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
64	Synthesis, characterization and cytotoxic studies of novel 1,2,4-triazole-azomethine conjugates. Journal of the Iranian Chemical Society, 2020, 17, 943-951.	2.2	5
65	Synthesis, structure elucidation and surface analysis of a new single crystal N-((2-(benzo [4,5]imidazo) Tj ETQq1 1 0.784314 rgBT /Over studies. Journal of Molecular Structure, 2020, 1205, 127496.	3.6	8
66	Robust therapeutic potential of carbazole-triazine hybrids as a new class of urease inhibitors: A distinctive combination of nitrogen-containing heterocycles. Bioorganic Chemistry, 2020, 95, 103479.	4.1	17
67	Synthesis, inhibition studies against AChE and BChE, drug-like profiling, kinetic analysis and molecular docking studies of N-(4-phenyl-3-aroyl-2(3H)-ylidene) substituted acetamides. Journal of Molecular Structure, 2020, 1203, 127459.	3.6	17
68	Structure and surface analysis of ibuprofen-organotin conjugate: Potential anti-cancer drug candidacy of the compound is proven by in-vitro DNA binding and cytotoxicity studies. Polyhedron, 2020, 192, 114845.	2.2	9
69	Synthesis of biphenyl oxazole derivatives via Suzuki coupling and biological evaluations as nucleotide pyrophosphatase/phosphodiesterase-1 and -3 inhibitors. European Journal of Medicinal Chemistry, 2020, 208, 112759.	5.5	17
70	Intermolecular interactions in antipyrine-like derivatives 2-halo-N-(1,5-dimethyl-3-oxo-2-phenyl-2,3-dihydro-1H-pyrazol-4-yl)benzamides: X-ray structure, Hirshfeld surface analysis and DFT calculations. New Journal of Chemistry, 2020, 44, 19541-19554.	2.8	23
71	Synthesis, characterization, in vitro tissue-nonspecific alkaline phosphatase (TNAP) and intestinal alkaline phosphatase (IAP) inhibition studies and computational evaluation of novel thiazole derivatives. Bioorganic Chemistry, 2020, 102, 104088.	4.1	17
72	TiO₂ Co-doped with Zr and Ag shows highly efficient visible light photocatalytic behavior suitable for treatment of polluted water. RSC Advances, 2020, 10, 42235-42248.	3.6	22

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73	E- and chemoselective thia-Michael addition to benzyl allenoate. Phosphorus, Sulfur and Silicon and the Related Elements, 2020, 195, 969-975.	1.6	1
74	On the planarity of the cyclobutane ring in the crystal of dimethyl 2,4-bis(3,4-dimethoxyphenyl)cyclobutane-1,3-dicarboxylate: a natural bond orbital and Hirshfeld surface analysis study. New Journal of Chemistry, 2020, 44, 15515-15525.	2.8	6
75	A comparative study of synthetic approaches towards total synthesis of histrionicotoxin: a selective inhibitor of nicotinic acetylcholine receptors. Journal of Asian Natural Products Research, 2020, 23, 1-19.	1.4	1
76	Identification of novel thioureaâ€stilbeneâ€triazine conjugates as persuasive lymphoid tyrosine phosphatase inhibitors. Journal of Heterocyclic Chemistry, 2020, 57, 3400.	2.6	2
77	Synthesis, bioactivity and binding energy calculations of novel 3-ethoxysalicylaldehyde based thiosemicarbazone derivatives. Bioorganic Chemistry, 2020, 100, 103924.	4.1	27
78	Novel Nâ€(benzo[d]oxazolâ€2â€yl)alkanamides; synthesis and carbonic anhydrase <scp>II</scp> inhibition studies. Journal of Heterocyclic Chemistry, 2020, 57, 2831-2843.	2.6	1
79	Synthesis, Biological Evaluation and Molecular Docking Studies of Novel Coumarinylthiazolyl Iminothiazolidinone Hybrids as Potent Urease Inhibitors. ChemistrySelect, 2020, 5, 5387-5390.	1.5	4
80	Shape and phase-controlled synthesis of specially designed 2D morphologies of l-cysteine surface capped covellite (CuS) and chalcocite (Cu2S) with excellent photocatalytic properties in the visible spectrum. Applied Surface Science, 2020, 526, 146691.	6.1	59
81	Bisthioureas of pimelic acid and 4-methylsalicylic acid derivatives as selective inhibitors of tissue-nonspecific alkaline phosphatase (TNAP) and intestinal alkaline phosphatase (IAP): Synthesis and molecular docking studies. Bioorganic Chemistry, 2020, 101, 103996.	4.1	9
82	Synthesis, X-ray crystal structure elucidation and Hirshfeld surface analysis of N-((4-(1H-benzo[d]imidazole-2-yl)phenyl)carbamothioyl)benzamide: investigations for elastase inhibition, antioxidant and DNA binding potentials for biological applications. RSC Advances, 2020, 10, 20837-20851.	3.6	20
83	Donor-Pi-Acceptor Fluorene Conjugates, Based on Chalcone and Pyrimidine Derivatives: an Insight into Structure-Property Relationship, Photophysical and Electrochemical Properties. Journal of Fluorescence, 2020, 30, 419-426.	2.5	4
84	Facile one-pot synthesis, butyrylcholinesterase and Î±-glucosidase inhibitory activities, structureâ€“activity relationship, molecular docking and DNAâ€“drug binding analysis of Meldrumâ€™s acid derivatives. Research on Chemical Intermediates, 2020, 46, 2437-2456.	2.7	5
85	An intramolecular 1,5-chalcogen bond on the conformational preference of carbonyl thiocarbamate species. New Journal of Chemistry, 2020, 44, 5243-5253.	2.8	9
86	Review of common failures in heat exchangers â€“ Part I: Mechanical and elevated temperature failures. Engineering Failure Analysis, 2020, 109, 104396.	4.0	58
87	Novel Nâ€Acylâ€1Hâ€imidazoleâ€1â€carbothioamides: Design, Synthesis, Biological and Computational Studies. Chemistry and Biodiversity, 2020, 17, e1900509.	2.1	25
88	Bis-Schiff bases of 2,2â€²-dibromobenzidine as efficient corrosion inhibitors for mild steel in acidic medium. RSC Advances, 2020, 10, 4499-4511.	3.6	18
89	Design, Synthesis and Biological Evaluation of 2â€(naphthoyl) iminothiazolidinâ€4â€ones as Potential Anticancer Agents. ChemistrySelect, 2020, 5, 3965-3970.	1.5	8
90	Conformational and crystal structure of acyl thiourea compounds: The case of the simple (2,2-dimethyl-propionyl) thiourea derivative. Journal of Molecular Structure, 2020, 1215, 128227.	3.6	8

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91	Chemical Insights Into the Synthetic Chemistry of Quinazolines: Recent Advances. Frontiers in Chemistry, 2020, 8, 594717.	3.6	40
92	Editorial: Chemical Insights Into the Synthetic Chemistry of Quinazolines and Quinazolinones: Recent Advances. Frontiers in Chemistry, 2020, 8, 641321.	3.6	2
93	An efficient synthetic approach toward a sporadic heterocyclic scaffold: 1,3-Oxathiol-2-ylidenes; alkaline phosphatase inhibition and molecular docking studies. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127238.	2.2	7
94	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
95	Highly productive and scalable approach to synthesize ticlopidine: A potent thienopyridine anti-platelet aggregation drug. Heliyon, 2020, 6, e05731.	3.2	4
96	Synthesis and Structure of 4-Chloro-2-{[5-(diethylamino)-2-hydroxybenzylidene]amino}phenol and Its Metal Complexes. Russian Journal of General Chemistry, 2020, 90, 2376-2380.	0.8	2
97	Synthesis, Molecular Docking, and In Vitro Investigation of 1,1'-Diaryl- 3,3'-(p-phenylenedicarbonyl) dithioureas as Urease Inhibitors. Letters in Organic Chemistry, 2020, 17, 254-259.	0.5	3
98	Novel 1,3â€oxazineâ€tetrazole hybrids as mushroom tyrosinase inhibitors and free radical scavengers: Synthesis, kinetic mechanism, and molecular docking studies. Chemical Biology and Drug Design, 2019, 93, 123-131.	3.2	21
99	A highly promising approach for the one-pot synthesis of biscoumarins using HY zeolite as recyclable and green catalyst. Journal of Porous Materials, 2019, 26, 455-466.	2.6	24
100	Recent developments in synthetic chemistry and biological activities of pyrazole derivatives. Journal of Chemical Sciences, 2019, 131, 1.	1.5	86
101	Metal nanoparticles fabricated by green chemistry using natural extracts: biosynthesis, mechanisms, and applications. RSC Advances, 2019, 9, 24539-24559.	3.6	247
102	A combined experimental and theoretical analysis of the solid-state supramolecular self-assembly of N-(2,4-dichlorophenyl)-1-naphthamide: Synthesis, anticholinesterase potential and molecular docking analysis. Journal of Molecular Structure, 2019, 1197, 458-470.	3.6	15
103	Alpinia zerumbet (Pers.): Food and Medicinal Plant with Potential In Vitro and In Vivo Anti-Cancer Activities. Molecules, 2019, 24, 2495.	3.8	20
104	Truffles: From Islamic culture to chemistry, pharmacology, and food trends in recent times. Trends in Food Science and Technology, 2019, 91, 193-218.	15.1	32
105	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
106	Densely substituted piperidines as a new class of elastase inhibitors: Synthesis and molecular modeling studies. Archiv Der Pharmazie, 2019, 352, e1900061.	4.1	11
107	Interplay between Conformation and Crystal Packing in Aryl Propargyl Ethers: Structural and Spectroscopic Properties of 2â€(propâ€2â€ynâ€1â€yloxy)acene Derivatives. ChemistrySelect, 2019, 4, 9927-9933.	1.5	4
108	Marine Natural Products: A Source of Novel Anticancer Drugs. Marine Drugs, 2019, 17, 491.	4.6	324

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109	Synthesis of a Contrapositionally Substituted Cyclohexa-meta-phenylene: A Ready-to-Use Precursor for Cyclohexa-meta-phenylene-Based Materials. Synlett, 2019, 30, 1886-1890.	1.8	1
110	Investigating the effectiveness of classical and eco-friendly approaches for synthesis of dialdehydes from organic dihalides. Green Processing and Synthesis, 2019, 8, 635-648.	3.4	5
111	Phospho Sulfonic Acid: A Highly Efficient and Novel Catalyst for Formation of Bis(Indolyl)Alkanes from Aldehydes and Indole under Aqueous Conditions. Kinetics and Catalysis, 2019, 60, 522-535.	1.0	6
112	Developing new hybrid scaffold for urease inhibition based on carbazole-chalcone conjugates: Synthesis, assessment of therapeutic potential and computational docking analysis. Bioorganic and Medicinal Chemistry, 2019, 27, 115123.	3.0	28
113	Experimental, theoretical, and surface study for corrosion inhibition of mild steel in 1ÂM HCl by using synthetic anti-biotic derivatives. Ionics, 2019, 25, 5057-5075.	2.4	22
114	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
115	Synthesis, characterization and in vitro antioxidant assay of 4-(benzylideneamino)-5-pentadecyl-2H-1,2,4-triazol-3(4H)-ones. Journal of the Iranian Chemical Society, 2019, 16, 2143-2157.	2.2	6
116	Synthesis and characterization of DGEBA composites reinforced with Cu/Ag modified carbon nanotubes. Heliyon, 2019, 5, e01733.	3.2	4
117	Synthesis and Optical Study of Sensitive and Selective Calix[4] Based Cu2+ Ion Detection Probes. Russian Journal of General Chemistry, 2019, 89, 813-818.	0.8	9
118	Investigation of potent inhibitors of cholinesterase based on thiourea and pyrazoline derivatives: Synthesis, inhibition assay and molecular modeling studies. Bioorganic Chemistry, 2019, 90, 103036.	4.1	19
119	Plants mentioned in the Islamic Scriptures (Holy Qur'Ã¢n and Ahadith): Traditional uses and medicinal importance in contemporary times. Journal of Ethnopharmacology, 2019, 243, 112007.	4.1	33
120	Synthesis, molecular docking and kinetic studies of novel quinolinyl based acyl thioureas as mushroom tyrosinase inhibitors and free radical scavengers. Bioorganic Chemistry, 2019, 90, 103063.	4.1	21
121	4â€(4â€Bromophenyl)thiazolâ€2â€amine: Crystal structure determination, DFT calculations, visualizing intermolecular interactions using Hirshfeld surface analysis, and DNA binding studies. Journal of Physical Organic Chemistry, 2019, 32, e3968.	1.9	10
122	Recent Synthetic Approaches to 3,3â€²-(Methylene)bis(Coumarins). Organic Preparations and Procedures International, 2019, 51, 199-239.	1.3	12
123	Novel C-2 Symmetric Molecules as Î±-Glucosidase and Î±-Amylase Inhibitors: Design, Synthesis, Kinetic Evaluation, Molecular Docking and Pharmacokinetics. Molecules, 2019, 24, 1511.	3.8	39
124	Deep eutectic ionic liquids based on DABCO-derived quaternary ammonium salts: A promising reaction medium in gaining access to terpyridines. Frontiers of Chemical Science and Engineering, 2019, 13, 586-598.	4.4	9
125	Terpyridine-Pr-Fe3O4@boehmite nanoparticles; a novel and highly effective magnetic nanocatalyst for preparation of cyclic carbonates from carbon dioxide and epoxides under solventless conditions. Materials Chemistry and Physics, 2019, 231, 272-280.	4.0	11
126	Synthesis, conformational studies and NBO analysis of (4-chloro-3,5-dimethyl-1H-pyrazol-) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (1	3.6	21

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127	Drug-1,3,4-Thiadiazole Conjugates as Novel Mixed-Type Inhibitors of Acetylcholinesterase: Synthesis, Molecular Docking, Pharmacokinetics, and ADMET Evaluation. Molecules, 2019, 24, 860.	3.8	22
128	Investigation of new quinoline derivatives as promising inhibitors of NTPDases: Synthesis, SAR analysis and molecular docking studies. Bioorganic Chemistry, 2019, 87, 218-226.	4.1	17
129	Synthesis, crystal structure, Hirshfeld surface analysis and DNA binding studies of 1-((E)-3-(4-bromophenyl)-1-phenylallylidene)-2-(m-tolyl)hydrazine. Journal of Molecular Structure, 2019, 1189, 112-121.	3.6	3
130	Synthesis, Crystal Structure, Hirshfeld Surface Analysis, DFT, and DNA-Binding Studies of (E)-2-(3-Hydroxy-4-Methoxybenzylidene)Hydrazinecarbothioamide. Applied Biochemistry and Biotechnology, 2019, 189, 175-192.	2.9	4
131	Aroylthiourea derivatives of ciprofloxacin drug as DNA binder: Theoretical, spectroscopic and electrochemical studies along with cytotoxicity assessment. Archives of Biochemistry and Biophysics, 2019, 666, 83-98.	3.0	16
132	Investigation on the effect of alkyl chain linked mono-thioureas as Jack bean urease inhibitors, SAR, pharmacokinetics ADMET parameters and molecular docking studies. Bioorganic Chemistry, 2019, 86, 473-481.	4.1	17
133	Synthesis of sulfonamide, amide and amine hybrid pharmacophore, an entry of new class of carbonic anhydrase II inhibitors and evaluation of chemo-informatics and binding analysis. Bioorganic Chemistry, 2019, 86, 624-630.	4.1	12
134	Photoresponsive azobenzene ligand as an efficient electron acceptor for luminous CdTe quantum dots. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 375, 48-53.	3.9	10
135	Synthesis and Serviceability of New Symmetric Bis-pyrazolone Metal Complex Acid Dyes. Russian Journal of General Chemistry, 2019, 89, 2498-2503.	0.8	1
136	Synthesis, antibacterial activity and molecular docking study of vanillin derived 1,4-disubstituted 1,2,3-triazoles as inhibitors of bacterial DNA synthesis. Heliyon, 2019, 5, e02812.	3.2	24
137	Cardenolides: Insights from chemical structure and pharmacological utility. Pharmacological Research, 2019, 141, 123-175.	7.1	43
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