

Abdulrahman A Almehezia

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76
papers

805
citations

17
h-index

24
g-index

77
ext. papers

1,120
ext. citations

4.2
avg, IF

4.77
L-index

#	Paper	IF	Citations
76	Tumor-associated carbonic anhydrase isoform IX and XII inhibitory properties of certain isatin-bearing sulfonamides endowed with in vitro antitumor activity towards colon cancer. <i>Bioorganic Chemistry</i> , 2018 , 81, 425-432	5.1	42
75	SLC-0111 enaminone analogs, 3/4-(3-aryl-3-oxopropenyl) aminobenzenesulfonamides, as novel selective subnanomolar inhibitors of the tumor-associated carbonic anhydrase isoform IX. <i>Bioorganic Chemistry</i> , 2019 , 83, 549-558	5.1	40
74	Synthesis and in vitro anticancer activity of certain novel 1-(2-methyl-6-arylpyridin-3-yl)-3-phenylureas as apoptosis-inducing agents. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019 , 34, 322-332	5.6	39
73	Lead discovery, chemistry optimization, and biological evaluation studies of novel biamide derivatives as CB2 receptor inverse agonists and osteoclast inhibitors. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 9973-87	8.3	37
72	Antitumor properties of certain spirooxindoles towards hepatocellular carcinoma endowed with antioxidant activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 831-839	5.6	35
71	Discovery of New Schiff Bases Tethered Pyrazole Moiety: Design, Synthesis, Biological Evaluation, and Molecular Docking Study as Dual Targeting DHFR/DNA Gyrase Inhibitors with Immunomodulatory Activity. <i>Molecules</i> , 2020 , 25,	4.8	31
70	Novel triaryl sulfonamide derivatives as selective cannabinoid receptor 2 inverse agonists and osteoclast inhibitors: discovery, optimization, and biological evaluation. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 2045-58	8.3	28
69	Evaluation of Biophysical Interaction between Newly Synthesized Pyrazoline Pyridazine Derivative and Bovine Serum Albumin by Spectroscopic and Molecular Docking Studies. <i>Journal of Spectroscopy</i> , 2019 , 2019, 1-12	1.5	27
68	New quinoxaline derivatives as VEGFR-2 inhibitors with anticancer and apoptotic activity: Design, molecular modeling, and synthesis. <i>Bioorganic Chemistry</i> , 2021 , 110, 104807	5.1	26
67	Mechanistic interaction study of 5,6-Dichloro-2-[2-(pyridin-2-yl)ethyl]isoindoline-1,3-dione with bovine serum albumin by spectroscopic and molecular docking approaches. <i>Saudi Pharmaceutical Journal</i> , 2019 , 27, 341-347	4.4	25
66	Synthesis of novel isoindoline-1,3-dione-based oximes and benzenesulfonamide hydrazones as selective inhibitors of the tumor-associated carbonic anhydrase IX. <i>Bioorganic Chemistry</i> , 2018 , 80, 706-713	5.1	25
65	Synthesis, cytotoxic evaluation, and molecular docking studies of novel quinazoline derivatives with benzenesulfonamide and anilide tails: Dual inhibitors of EGFR/HER2. <i>Bioorganic Chemistry</i> , 2020 , 95, 103461	5.1	23
64	Design and activity of AP endonuclease-1 inhibitors. <i>Journal of Chemical Biology</i> , 2015 , 8, 79-93		22
63	Novel Carbon/PEDOT/PSS-Based Screen-Printed Biosensors for Acetylcholine Neurotransmitter and Acetylcholinesterase Detection in Human Serum. <i>Molecules</i> , 2019 , 24,	4.8	21
62	New bis([1,2,4]triazolo)[4,3-a:3'4'F]quinoxaline derivatives as VEGFR-2 inhibitors and apoptosis inducers: Design, synthesis, in silico studies, and anticancer evaluation. <i>Bioorganic Chemistry</i> , 2021 , 112, 104949	5.1	21
61	Discovery of new VEGFR-2 inhibitors based on bis([1, 2, 4]triazolo)[4,3-:3'4'F]quinoxaline derivatives as anticancer agents and apoptosis inducers. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021 , 36, 1093-1114	5.6	19
60	Antioxidant activities and molecular docking of 2-thioxobenzo[g]quinazoline derivatives. <i>Pharmacological Reports</i> , 2019 , 71, 695-700	3.9	18

59	Synthesis, anticancer, apoptosis-inducing activities and EGFR and VEGFR2 assay mechanistic studies of 5,5-diphenylimidazolidine-2,4-dione derivatives: Molecular docking studies. <i>Saudi Pharmaceutical Journal</i> , 2019 , 27, 682-693	4.4	17
58	Synthesis, biological evaluation and in silico studies with 4-benzylidene-2-phenyl-5(4H)-imidazolone-based benzenesulfonamides as novel selective carbonic anhydrase IX inhibitors endowed with anticancer activity. <i>Bioorganic Chemistry</i> , 2019 , 90, 103102	5.1	17
57	Design, synthesis and molecular docking of new pyrazole-thiazolidinones as potent anti-inflammatory and analgesic agents with TNF- α inhibitory activity. <i>Bioorganic Chemistry</i> , 2021 , 111, 104827	5.1	17
56	Synthesis, Cytotoxic Activity, Crystal Structure, DFT Studies and Molecular Docking of 3-Amino-1-(2,5-dichlorophenyl)-8-methoxy-1H-benzo[f]chromene-2-carbonitrile. <i>Crystals</i> , 2021 , 11, 184	2.3	17
55	Novel Diamide-Based Benzenesulfonamides as Selective Carbonic Anhydrase IX Inhibitors Endowed with Antitumor Activity: Synthesis, Biological Evaluation and In Silico Insights. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	16
54	Investigation the antioxidant activity of benzo[<i>c</i>]triazoloquinazolines correlated with a DFT study. <i>Saudi Pharmaceutical Journal</i> , 2019 , 27, 133-137	4.4	16
53	Immunoinformatics-guided design of a multi-epitope vaccine based on the structural proteins of severe acute respiratory syndrome coronavirus 2.. <i>RSC Advances</i> , 2021 , 11, 18103-18121	3.7	14
52	Targeting microbial resistance: Synthesis, antibacterial evaluation, DNA binding and modeling study of new chalcone-based dithiocarbamate derivatives. <i>Bioorganic Chemistry</i> , 2019 , 85, 282-292	5.1	13
51	New anthranilic acid-incorporating N-benzenesulfonamidophthalimides as potent inhibitors of carbonic anhydrases I, II, IX, and XII: Synthesis, in vitro testing, and in silico assessment. <i>European Journal of Medicinal Chemistry</i> , 2019 , 181, 111573	6.8	11
50	Facile synthesis of novel zinc sulfide/chitosan composite for efficient photocatalytic degradation of acid brown 5G and acid black 2BNG dyes. <i>AEJ - Alexandria Engineering Journal</i> , 2021 , 60, 2167-2178	6.1	10
49	Discovery of new 3-methylquinoxalines as potential anti-cancer agents and apoptosis inducers targeting VEGFR-2: design, synthesis, and studies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021 , 36, 1732-1750	5.6	10
48	Screen-Printed Sensor Based on Potentiometric Transduction for Free Bilirubin Detection as a Biomarker for Hyperbilirubinemia Diagnosis. <i>Chemosensors</i> , 2020 , 8, 86	4	9
47	Synthesis, crystallographic characterization, molecular docking and biological activity of isoquinoline derivatives. <i>Chemistry Central Journal</i> , 2017 , 11, 103		8
46	Synthesis, biological evaluations and computational studies of N-(3-(2-(7-Chloroquinolin-2-yl)vinyl)benzylidene)anilines as fungal biofilm inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019 , 29, 623-630	2.9	8
45	Synthesis, anti-inflammatory, cytotoxic, and COX-1/2 inhibitory activities of cyclic imides bearing 3-benzenesulfonamide, oxime, and β -phenylalanine scaffolds: a molecular docking study. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 610-621	5.6	7
44	Development and validation of an UHPLC-MS/MS method for simultaneous determination of palbociclib, letrozole and its metabolite carbinol in rat plasma and pharmacokinetic study application. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 4024-4034	5.9	7
43	Molecular docking, pharmacophore based virtual screening and molecular dynamics studies towards the identification of potential leads for the management of .. <i>RSC Advances</i> , 2019 , 9, 26176-26208	2.7	6
42	N-1, 3-Benzenedicarbonyl-Bis-(Amino Acid) and Dipeptide Candidates: Synthesis, Cytotoxic, Antimicrobial and Molecular Docking Investigation. <i>Drug Design, Development and Therapy</i> , 2021 , 15, 1315-1332	4.4	6

41	Spectroscopic and molecular docking studies reveal binding characteristics of nazartinib (EGF816) to human serum albumin. <i>Royal Society Open Science</i> , 2020 , 7, 191595	3.3	6
40	Marine-Inspired Bis-indoles Possessing Antiproliferative Activity against Breast Cancer; Design, Synthesis, and Biological Evaluation. <i>Marine Drugs</i> , 2020 , 18,	6	6
39	Synthesis, thermogravimetric, and spectroscopic characterizations of three palladium metal(II) ofloxacin drug and amino acids mixed ligand complexes as advanced antimicrobial materials. <i>Journal of Molecular Structure</i> , 2021 , 1225, 129102	3.4	6
38	Validated liquid chromatography tandem mass spectrometry for simultaneous quantification of foretinib and lapatinib, and application to metabolic stability investigation.. <i>RSC Advances</i> , 2019 , 9, 19323-19335	3.7	5
37	Solid-State Membrane Sensors Based on Man-Tailored Biomimetic Receptors for Selective Recognition of Isoproturon and Diuron Herbicides. <i>Membranes</i> , 2020 , 10,	3.8	5
36	Novel sulindac derivatives: synthesis, characterisation, evaluation of antioxidant, analgesic, anti-inflammatory, ulcerogenic and COX-2 inhibition activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 921-934	5.6	5
35	Modified Potentiometric Screen-Printed Electrodes Based on Imprinting Character for Sodium Deoxycholate Determination. <i>Biomolecules</i> , 2020 , 10,	5.9	5
34	Paper-Based Potentiometric Sensors for Nicotine Determination in SmokersTSweat. <i>ACS Omega</i> , 2021 , 6, 11340-11347	3.9	5
33	Virtual Screening and Molecular Docking Studies for Discovery of Potential RNA-Dependent RNA Polymerase Inhibitors. <i>Crystals</i> , 2021 , 11, 471	2.3	5
32	Identification of Promising Biofilm Inhibitory and Cytotoxic Quinazolin-4-one Derivatives: Synthesis, Evaluation, Molecular Docking and ADMET Studies. <i>ChemistrySelect</i> , 2019 , 4, 3559-3566	1.8	4
31	Validation of a Novel Potentiometric Method Based on a Polymeric PVC Membrane Sensor Integrated with Tailored Receptors for the Antileukemia Drug Cytarabine. <i>Polymers</i> , 2020 , 12,	4.5	4
30	Modified Screen-Printed Potentiometric Sensors based on Man-Tailored Biomimetics for Diquat Herbicide Determination. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	4
29	Efficient removal of Ni(II) ions from aqueous solutions using analcime modified with dimethylglyoxime composite. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 103197	5.9	4
28	A Novel Oxidovanadium (IV)-Orotate Complex as an Alternative Antidiabetic Agent: Synthesis, Characterization, and Biological Assessments. <i>BioMed Research International</i> , 2018 , 2018, 8108713	3	4
27	Selection of SARS-CoV-2 main protease inhibitor using structure-based virtual screening. <i>Future Medicinal Chemistry</i> , 2021 ,	4.1	3
26	Synthesis, Characterization, and Anti-diabetic Activity of Some Novel Vanadium-Folate-Amino Acid Materials. <i>Biomolecules</i> , 2020 , 10,	5.9	3
25	All-Solid-State Potentiometric Ion-Sensors Based on Tailored Imprinted Polymers for Pholcodine Determination. <i>Polymers</i> , 2021 , 13,	4.5	3
24	Synthesis, characterization and antidiabetic effects of vanadyl(II) adenosine monophosphate amino acid mixed-ligand complexes. <i>Future Medicinal Chemistry</i> , 2019 ,	4.1	3

23	Synthesis, Spectroscopic, and Antimicrobial Study of Binary and Ternary Ruthenium(III) Complexes of Ofloxacin Drug and Amino Acids as Secondary Ligands. <i>Crystals</i> , 2020 , 10, 225	2.3	3
22	Low-cost potentiometric paper-based analytical device based on newly synthesized macrocyclic pyrido-pentapeptide derivatives as novel ionophores for point-of-care copper(ii) determination.. <i>RSC Advances</i> , 2021 , 11, 27174-27182	3.7	3
21	Design, synthesis, anticancer evaluation and molecular docking study of novel 2,4-dichlorophenoxyethyl-based derivatives linked to nitrogenous heterocyclic ring systems as potential CDK-2 inhibitors. <i>Journal of Molecular Structure</i> , 2022 , 1247, 131285	3.4	3
20	Identification of Antibacterial Metabolites from Endophytic Fungus Isolated from Leaves (Fabaceae), Utilizing Metabolomic and Molecular Docking Techniques.. <i>Molecules</i> , 2022 , 27,	4.8	2
19	Facile hydrothermal synthesis of glutamine-assisted tin oxide nanorods for efficient photocatalytic degradation of crystal violet dye. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-12	1.8	2
18	Validated Reversed-Phase Liquid Chromatographic Method with Gradient Elution for Simultaneous Determination of the Antiviral Agents: Sofosbuvir, Ledipasvir, Daclatasvir, and Simeprevir in Their Dosage Forms. <i>Molecules</i> , 2020 , 25,	4.8	2
17	A Highly Sensitive Nonextraction-Assisted HPLC Method with Fluorescence Detection for Quantification of Duvelisib in Plasma Samples and its Application to Pharmacokinetic Study in Rats. <i>Drug Design, Development and Therapy</i> , 2021 , 15, 2667-2677	4.4	2
16	Development of a highly sensitive ELISA for determination of darunavir in plasma samples using a polyclonal antibody with high affinity and specificity. <i>Bioanalysis</i> , 2020 , 12, 355-366	2.1	2
15	Facile Synthesis of Magnesium Oxide Nanoparticles for Studying Their Photocatalytic Activities Against Orange G Dye and Biological Activities Against Some Bacterial and Fungal Strains. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 2150-2160	3.2	2
14	Synthesis, cytotoxic activity, crystal structure, DFT, molecular docking study of some heterocyclic compounds incorporating benzo[f]chromene moieties. <i>Journal of Molecular Structure</i> , 2022 , 1260, 132829 ⁴	3.4	2
13	Paper-Based Potentiometric Device for Rapid and Selective Determination of Salicylhydroxamate as a Urinary Struvite Stone Inhibitor. <i>ACS Omega</i> , 2021 , 6, 27755-27762	3.9	1
12	Validated Microemulsion Liquid Chromatography-Fluorescence Method for the Quantification of Duloxetine and its Two Main Metabolites in Plasma: Application to Clinical Pharmacokinetic Studies. <i>Current Pharmaceutical Analysis</i> , 2019 , 15, 399-411	0.6	1
11	Identification of dual site inhibitors of tankyrase through virtual screening of protein-ligand interaction fingerprint (PLIF) derived pharmacophore models, molecular dynamics, and ADMET studies. <i>Structural Chemistry</i> , 2020 , 31, 769-779	1.8	1
10	Novel Validated Analytical Method Based on Potentiometric Transduction for the Determination of Citicoline Psychostimulant/Nootropic Agent. <i>Molecules</i> , 2020 , 25,	4.8	1
9	Preparation and Characterization of Two Immunogens and Production of Polyclonal Antibody with High Affinity and Specificity for Darunavir. <i>Molecules</i> , 2020 , 25,	4.8	1
8	Rapid and Accurate Validated Potentiometric Method for Bispyribac Herbicide Assessment in Rice and Agricultural Wastewater. <i>Water (Switzerland)</i> , 2020 , 12, 2216	3	1
7	Application of Nanosized Zeolite X Modified with Glutamic Acid as a Novel Composite for the Efficient Removal of Co(II) ions from Aqueous Media. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 2105-2115	3.2	1
6	Synthesis, spectroscopic and computational studies on hydrogen bonded charge transfer complex of duvelisib with chloranilic acid: Application to development of novel 96-microwell spectrophotometric assay. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 264, 120007	4.4	1

5	Solid-Contact Potentiometric Sensors Based on Main-Tailored Bio-Mimics for Trace Detection of Harmine Hallucinogen in Urine Specimens. <i>Molecules</i> , 2021 , 26,	4.8	1
4	New Potentiometric Screen-Printed Platforms Modified with Reduced Graphene Oxide and Based on Man-Made Imprinted Receptors for Caffeine Assessment. <i>Polymers</i> , 2022 , 14, 1942	4.5	1
3	The Crystal Structure of 2-Amino-4-(2,3-Dichlorophenyl)-6-Methoxy-4H-Benzo[h]chromene-3-Carbonitrile: Antitumor and Tyrosine Kinase Receptor Inhibition Mechanism Studies. <i>Crystals</i> , 2022 , 12, 737	2.3	1
2	Effective screen-printed potentiometric devices modified with carbon nanotubes for the detection of chlorogenic acid: application to food quality monitoring.. <i>RSC Advances</i> , 2021 , 11, 38774-38781	3.7	
1	All-Solid-State Potentiometric Platforms Modified with a Multi-Walled Carbon Nanotubes for Fluoxetine Determination. <i>Membranes</i> , 2022 , 12, 446	3.8	