Ahmed H H Bakheit

List of Publications by Year
in descending order

96	1,873	218677	315739
papers	citations	26 h-index	38 g-index

98	98	98	1677
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spectroscopic, molecular docking and dynamic simulation studies of binding between the new anticancer agent olmutinib and human serum albumin. Journal of Biomolecular Structure and Dynamics, 2022, 40, 14236-14246.	3.5	4
2	Selection of SARS-CoV-2 main protease inhibitor using structure-based virtual screening. Future Medicinal Chemistry, 2022, 14, 61-79.	2.3	9
3	Spectroscopic and computational investigation of the interaction between the new anticancer agent enasidenib and human serum albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 270, 120790.	3.9	2
4	Mechanistic competitive binding interaction study between olmutinib and colchicine with model transport protein using spectroscopic and computer simulation approaches. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 426, 113794.	3.9	35
5	Loratadine. Profiles of Drug Substances, Excipients and Related Methodology, 2022, 47, 55-90.	8.0	4
6	Vinpocetine (A comprehensive profile). Profiles of Drug Substances, Excipients and Related Methodology, 2022, 47, 1-54.	8.0	3
7	Lodenafil. Profiles of Drug Substances, Excipients and Related Methodology, 2022, 47, 113-147.	8.0	1
8	Interaction Characterization of a Tyrosine Kinase Inhibitor Erlotinib with a Model Transport Protein in the Presence of Quercetin: A Drugâ€“Protein and Drugâ€“Drug Interaction Investigation Using Multi-Spectroscopic and Computational Approaches. Molecules, 2022, 27, 1265.	3.8	37
9	A Major Diplotaxis harra-Derived Bioflavonoid Glycoside as a Protective Agent against Chemically Induced Neurotoxicity and Parkinsonâ€™s Models; In Silico Target Prediction; and Biphasic HPTLC-Based Quantification. Plants, 2022, 11, 648.	3.5	7
10	Influence of Rutin, Sinapic Acid, and Naringenin on Binding of Tyrosine Kinase Inhibitor Erlotinib to Bovine Serum Albumin Using Analytical Techniques Along with Computational Approach. Applied Sciences (Switzerland), 2022, 12, 3575.	2.5	33
11	Synthesis Characterization and X-ray Structure of 2-(2,6-Dichlorophenylamino)-2-imidazoline Tetraphenylborate: Computational Study. Applied Sciences (Switzerland), 2022, 12, 3568.	2.5	8
12	Reactivity of 4,5-Dichlorophthalic Anhydride towards Thiosemicarbazide and Amines: Synthesis, Spectroscopic Analysis, and DFT Study. Molecules, 2022, 27, 3550.	3.8	5
13	Influence of antioxidant flavonoids quercetin and rutin on the in-vitro binding of neratinib to human serum albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 246, 118977.	3.9	53
14	Rabeprazole: A comprehensive profile. Profiles of Drug Substances, Excipients and Related Methodology, 2021, 46, 137-183.	8.0	4
15	Irbesartan (a comprehensive profile). Profiles of Drug Substances, Excipients and Related Methodology, 2021, 46, 185-272.	8.0	6
16	Bisoprolol: A comprehensive profile. Profiles of Drug Substances, Excipients and Related Methodology, 2021, 46, 51-89.	8.0	2
17	Darunavir: A comprehensive profile. Profiles of Drug Substances, Excipients and Related Methodology, 2021, 46, 1-50.	8.0	6
18	Betaxolol: A comprehensive profile. Profiles of Drug Substances, Excipients and Related Methodology, 2021, 46, 91-136.	8.0	2

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19	Full spectrum and genetic algorithm-selected spectrum-based chemometric methods for simultaneous determination of azilsartan medoxomil, chlorthalidone, and azilsartan: Development, validation, and application on commercial dosage form. Open Chemistry, 2021, 19, 205-213.	1.9	1
20	A potential anticancer dihydropyrimidine derivative and its protein binding mechanism by multispectroscopic, molecular docking and molecular dynamic simulation along with its in-silico toxicity and metabolic profile. European Journal of Pharmaceutical Sciences, 2021, 158, 105686.	4.0	47
21	Virtual Screening and Molecular Docking Studies for Discovery of Potential RNA-Dependent RNA Polymerase Inhibitors. Crystals, 2021, 11, 471.	2.2	12
22	Charge Transfer Complexes of Ketotifen with 2,3-Dichloro-5,6-dicyano-p-benzoquinone and 7,7,8,8-Tetracyanoquodimethane: Spectroscopic Characterization Studies. Molecules, 2021, 26, 2039.	3.8	6
23	Binding and drug displacement study of colchicine and bovine serum albumin in presence of azithromycin using multispectroscopic techniques and molecular dynamic simulation. Journal of Molecular Liquids, 2021, 333, 115934.	4.9	54
24	Response surface methodology for optimization of micellar-enhanced spectrofluorimetric method for assay of foretinib in bulk powder and human urine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 257, 119811.	3.9	12
25	In silico study and biological screening of benzoquinazolines as potential antimicrobial agents against methicillin-resistant Staphylococcus aureus, carbapenem-resistant Klebsiella pneumoniae, and fluconazole-resistant Candida albicans. Microbial Pathogenesis, 2021, 160, 105157.	2.9	12
26	Binding of colchicine and ascorbic acid (vitamin C) to bovine serum albumin: An in-vitro interaction study using multispectroscopic, molecular docking and molecular dynamics simulation study. Journal of Molecular Liquids, 2021, 342, 117542.	4.9	40
27	Investigation of 4-Hydrazinobenzoic Acid Derivatives for Their Antioxidant Activity: In Vitro Screening and DFT Study. ACS Omega, 2021, 6, 31993-32004.	3.5	18
28	Biological Evaluation of 4-(1H-triazol-1-yl)benzoic Acid Hybrids as Antioxidant Agents: In Vitro Screening and DFT Study. Applied Sciences (Switzerland), 2021, 11, 11642.	2.5	11
29	Evaluation of competitive binding interaction of neratinib and tamoxifen to serum albumin in multidrug therapy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117691.	3.9	32
30	Azilsartan medoxomil. Profiles of Drug Substances, Excipients and Related Methodology, 2020, 45, 1-39.	8.0	5
31	Emtricitabine. Profiles of Drug Substances, Excipients and Related Methodology, 2020, 45, 55-91.	8.0	3
32	Investigation of some benzoquinazoline and quinazoline derivatives as novel inhibitors of HCV-NS3/4A protease: biological, molecular docking and QSAR studies. RSC Advances, 2020, 10, 35820-35830.	3.6	11
33	Exploiting the 4-hydrazinobenzoic acid moiety for the development of anticancer agents: Synthesis and biological profile. Bioorganic Chemistry, 2020, 102, 104098.	4.1	6
34	Synthesis, Docking, Computational Studies, and Antimicrobial Evaluations of New Dipeptide Derivatives Based on Nicotinoylglycylglycine Hydrazide. Molecules, 2020, 25, 3589.	3.8	16
35	Multi-spectroscopic investigation, molecular docking and molecular dynamic simulation of competitive interactions between flavonoids (quercetin and rutin) and sorafenib for binding to human serum albumin. International Journal of Biological Macromolecules, 2020, 165, 2451-2461.	7.5	78
36	Antiproliferative and Antiangiogenic Properties of New VEGFR-2-targeting 2-thioxobenzo[g]quinazoline Derivatives (In Vitro). Molecules, 2020, 25, 5944.	3.8	17

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37	Interaction of an abiraterone with calf thymus DNA: Investigation with spectroscopic technique and modelling studies. Bioorganic Chemistry, 2020, 100, 103957.	4.1	61
38	Development of innovative artificial neural networks for simultaneous determination of lapatinib and foretinib in human urine by micellar enhanced synchronous spectrofluorimetry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 238, 118438.	3.9	7
39	In silico and in vitro metabolism of ribociclib: a mass spectrometric approach to bioactivation pathway elucidation and metabolite profiling. RSC Advances, 2020, 10, 22668-22683.	3.6	16
40	Anticancer Activities of Newly Synthesized Chiral Macrocyclic Heptapeptide Candidates. Molecules, 2020, 25, 1253.	3.8	11
41	Poziotinib and bovine serum albumin binding characterization and influence of quercetin, rutin, naringenin and sinapic acid on their binding interaction. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 235, 118335.	3.9	50
42	Spectroscopic and molecular docking studies reveal binding characteristics of nazartinib (EGF816) to human serum albumin. Royal Society Open Science, 2020, 7, 191595.	2.4	10
43	A Spectroscopic, Thermodynamic and Molecular Docking Study of the Binding Mechanism of Dapoxetine with Calf Thymus DNA. South African Journal of Chemistry, 2020, 73, .	0.6	29
44	Experimental and computational evaluation of kolliphor RH 40 as a new fluorescence enhancer in development of a micellar-based spectrofluorimetric method for determination of lapatinib in tablets and urine. PLoS ONE, 2020, 15, e0239918.	2.5	3
45	Comparative study of Î²-cyclodextrin, Î³-cyclodextrin and 4-tert-butylcalix[8]arene ionophores as electroactive materials for the construction of new sensors for trazodone based on host-guest recognition . Drug Design, Development and Therapy, 2019, Volume 13, 2283-2293.	4.3	5
46	New Pyridopyrimidone Derivatives: Synthesis, Molecular Docking Studies, and Potential Anticancer Activity. Russian Journal of General Chemistry, 2019, 89, 1683-1690.	0.8	0
47	Novel BTK inhibitor acalabrutinib (ACP-196) tightly binds to site I of the human serum albumin as observed by spectroscopic and computational studies. International Journal of Biological Macromolecules, 2019, 127, 536-543.	7.5	18
48	Development of novel response surface methodology-assisted micellar enhanced synchronous spectrofluorimetric method for determination of vandetanib in tablets, human plasma and urine. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 213, 272-280.	3.9	5
49	Evaluation of Biophysical Interaction between Newly Synthesized Pyrazoline Pyridazine Derivative and Bovine Serum Albumin by Spectroscopic and Molecular Docking Studies. Journal of Spectroscopy, 2019, 2019, 1-12.	1.3	41
50	Synthesis and biological evaluation of 4-(1H-1,2,4-triazol-1-yl)benzoic acid hybrids as anticancer agents. RSC Advances, 2019, 9, 19065-19074.	3.6	11
51	Validated liquid chromatography tandem mass spectrometry for simultaneous quantification of foretinib and lapatinib, and application to metabolic stability investigation. RSC Advances, 2019, 9, 19325-19332.	3.6	7
52	Molecular docking and experimental investigation of new indole derivative cyclooxygenase inhibitor to probe its binding mechanism with bovine serum albumin. Bioorganic Chemistry, 2019, 89, 103010.	4.1	45
53	Antioxidant activities and molecular docking of 2-thioxobenzo[g]quinazoline derivatives. Pharmacological Reports, 2019, 71, 695-700.	3.3	33
54	Kinase Inhibitors of Novel Pyridopyrimidinone Candidates: Synthesis and In Vitro Anticancer Properties. Journal of Chemistry, 2019, 2019, 1-10.	1.9	5

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55	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. Saudi Pharmaceutical Journal, 2019, 27, 341-347.	2.7	33
56	Molecular interactions of AL3818 (anlotinib) to human serum albumin as revealed by spectroscopic and molecular docking studies. Journal of Molecular Liquids, 2019, 273, 259-265.	4.9	32
57	Cyclodextrin potentiometric sensors based on selective recognition sites for procainamide: Comparative and theoretical study. Open Chemistry, 2019, 17, 1222-1234.	1.9	7
58	Bioanalytical Method Development and Validation for the Determination of Vasopressin Receptor Antagonist Conivaptan in Mouse Plasma at NanoLevel and its Pharmacokinetic Application. Current Analytical Chemistry, 2019, 15, 591-598.	1.2	1
59	Unraveling the binding characteristics of the anti-HIV agents abacavir, efavirenz and emtricitabine to bovine serum albumin using spectroscopic and molecular simulation approaches. Journal of Molecular Liquids, 2018, 251, 345-357.	4.9	13
60	Spectrofluorimetric methods for the determination of lixivaptan and its hydrolysis product in human plasma and urine, with factors optimization study. Journal of Molecular Liquids, 2018, 249, 764-771.	4.9	0
61	Spectroscopic and molecular modeling studies of binding interaction between bovine serum albumin and roflumilast. Drug Design, Development and Therapy, 2018, Volume 12, 2627-2634.	4.3	42
62	Indole Derivatives as Cyclooxygenase Inhibitors: Synthesis, Biological Evaluation and Docking Studies. Molecules, 2018, 23, 1250.	3.8	30
63	Spectroscopic and molecular docking studies of the binding of the angiotensin II receptor blockers (ARBs) azilsartan, eprosartan and olmesartan to bovine serum albumin. Journal of Luminescence, 2018, 203, 616-628.	3.1	19
64	Study of Interactions of an Anticancer Drug Neratinib With Bovine Serum Albumin: Spectroscopic and Molecular Docking Approach. Frontiers in Chemistry, 2018, 6, 47.	3.6	89
65	Mirtazapine. Profiles of Drug Substances, Excipients and Related Methodology, 2018, 43, 209-254.	8.0	15
66	Exploring the interaction forces involved in the binding of the multiple myeloma drug lenalidomide to bovine serum albumin. Journal of Molecular Liquids, 2017, 238, 3-10.	4.9	16
67	Olmesartan. Profiles of Drug Substances, Excipients and Related Methodology, 2017, 42, 241-286.	8.0	6
68	Propranolol. Profiles of Drug Substances, Excipients and Related Methodology, 2017, 42, 287-338.	8.0	42
69	Fluorescence spectroscopic and molecular docking studies of the binding interaction between the new anaplastic lymphoma kinase inhibitor crizotinib and bovine serum albumin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 174-182.	3.9	65
70	Study of the Interactions of Bovine Serum Albumin with the New Anti-Inflammatory Agent 4-(1,3-Dioxo-1,3-dihydro-2H-isoindol-2-yl)-Nâ€²-[(4-ethoxy-phenyl)methylidene]benzohydrazide Using a Multi-Spectroscopic Approach and Molecular Docking. Molecules, 2017, 22, 1258.	3.8	49
71	Biophysical and In Silico Studies of the Interaction between the Anti-Viral Agents Acyclovir and Penciclovir, and Human Serum Albumin. Molecules, 2017, 22, 1906.	3.8	26
72	Synthesis and Biophysical Insights into the Binding of a Potent Anti-Proliferative Non-symmetric Bis-isatin Derivative with Bovine Serum Albumin: Spectroscopic and Molecular Docking Approaches. Applied Sciences (Switzerland), 2017, 7, 617.	2.5	19

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73	Liquid chromatographic-tandem mass spectrometric assay for simultaneous quantitation of tofacitinib, cabozantinib and afatinib in human plasma and urine. Tropical Journal of Pharmaceutical Research, 2017, 15, 2683.	0.3	24
74	Spectrophotometric and molecular modelling studies on in vitro interaction of tyrosine kinase inhibitor linifanib with bovine serum albumin. PLoS ONE, 2017, 12, e0176015.	2.5	64
75	Study of binding interaction of rivaroxaban with bovine serum albumin using multi-spectroscopic and molecular docking approach. Chemistry Central Journal, 2017, 11, 134.	2.6	51
76	Quantification of total mercury in compact fluorescent lamps in Saudi Arabia using inductively coupled plasma mass spectrometry (ICP-MS). Main Group Chemistry, 2016, 15, 117-124.	0.8	1
77	A new spectrofluorimetric assay method for vandetanib in tablets, plasma and urine. Tropical Journal of Pharmaceutical Research, 2016, 15, 2219.	0.3	7
78	A novel method to determine new potent angiotensin inhibitor, azilsartan, in human plasma via micelle-enhanced spectrofluorimetry using cremophor RH 40. Tropical Journal of Pharmaceutical Research, 2016, 15, 1003.	0.3	1
79	Highly Sensitive Micellar Enhanced Spectrofluorimetric Method for Determination of Mirtazapine in Tablets and Human Urine: Application to In Vitro Drug Release and Content Uniformity Test. Journal of Chemistry, 2016, 2016, 1-8.	1.9	2
80	Comparative Study of Novel Ratio Spectra and Isoabsorptive Point Based Spectrophotometric Methods: Application on a Binary Mixture of Ascorbic Acid and Rutin. Journal of Analytical Methods in Chemistry, 2016, 2016, 1-12.	1.6	4
81	Enhanced spectrofluorimetric determination of the multitargeted tyrosine kinase inhibitor, crizotinib, in human plasma via micelle-mediated approach. Tropical Journal of Pharmaceutical Research, 2016, 15, 2209.	0.3	7
82	Pioglitazone. Profiles of Drug Substances, Excipients and Related Methodology, 2016, 41, 379-438.	8.0	19
83	Simultaneous quantitative analysis of olmesartan, amlodipine and hydrochlorothiazide in their combined dosage form utilizing classical and alternating least squares based chemometric methods. Acta Pharmaceutica, 2016, 66, 83-95.	2.0	9
84	Stability Indicating Spectrofluorimetric Analysis of Metopimazine by Signal Enhanced - Partial Least Squares Chemometric Models: A Comparative Study. Current Pharmaceutical Analysis, 2016, 12, 234-243.	0.6	2
85	Micellar Enhanced Spectrofluorimetric Method for the Determination of Ponatinib in Human Plasma and Urine via Cremophor RH 40 as Sensing Agent. International Journal of Analytical Chemistry, 2015, 2015, 1-9.	1.0	10
86	Micellar enhanced synchronous spectrofluorimetric method for determination of dasatinib in tablets, human plasma and urine: application to in vitro drug release and content uniformity test. RSC Advances, 2015, 5, 54471-54480.	3.6	16
87	A new method to determine the new C-Met inhibitor â€œCabozantinibâ€•in dosage form and human plasma via micelle-enhanced spectrofluorimetry. RSC Advances, 2015, 5, 40484-40490.	3.6	11
88	Telmisartan. Profiles of Drug Substances, Excipients and Related Methodology, 2015, 40, 371-429.	8.0	23
89	Highly Sensitive and Simple Validated Ultra-performance Liquid Chromatography/ Tandem Mass Spectrometry Method for the Determination of Cinacalcet in Human Plasma. Current Pharmaceutical Analysis, 2014, 10, 51-57.	0.6	8
90	A Stability-Indicating HPLC-DAD Method for Determination of Stiripentol: Development, Validation, Kinetics, Structure Elucidation and Application to Commercial Dosage Form. Journal of Analytical Methods in Chemistry, 2014, 2014, 1-10.	1.6	9

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91	DNA Binding Test, X-Ray Crystal Structure, Spectral Studies, TG-DTA, and Electrochemistry of [CoX2(dmdphphen)] (Dmdphphen Is 2,9-Dimethyl-4,7-diphenyl-1,10-phenanthroline, X = Cl, and NCS) Complexes. Bioinorganic Chemistry and Applications, 2014, 2014, 1-7.	4.1	2
92	Azithromycin. Profiles of Drug Substances, Excipients and Related Methodology, 2014, 39, 1-40.	8.0	77
93	Imatinib Mesylate. Profiles of Drug Substances, Excipients and Related Methodology, 2014, 39, 265-297.	8.0	23
94	Multivariate Versus Classical Univariate Calibration Methods for Spectrofluorimetric Data: Application to Simultaneous Determination of Olmesartan Medoxamil and Amlodipine Besylate in their Combined Dosage Form. Journal of Fluorescence, 2013, 23, 79-91.	2.5	19
95	Comparative ANNs with Different Input Layers and GA-PLS Study for Simultaneous Spectrofluorimetric Determination of Melatonin and Pyridoxine HCl in the Presence of Melatoninâ€™s Main Impurity. Molecules, 2013, 18, 974-996.	3.8	11
96	A highly sensitive fluorimetric method for determination of lenalidomide in its bulk form and capsules via derivatization with fluorescamine. Chemistry Central Journal, 2012, 6, 118.	2.6	10