

Amer M Alanazi

List of Publications by Year in descending order

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62
papers

1,298
citations

304368

22
h-index

395343

33
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63
all docs

63
docs citations

63
times ranked

1555
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure-based design of phthalimide derivatives as potential cyclooxygenase-2 (COX-2) inhibitors: Anti-inflammatory and analgesic activities. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 115-123.	2.6	97
2	Evaluation of Self-Nanoemulsifying Drug Delivery Systems (SNEDDS) for Poorly Water-Soluble Talinolol: Preparation, in vitro and in vivo Assessment. <i>Frontiers in Pharmacology</i> , 2019, 10, 459.	1.6	84
3	Fluorescence spectroscopic and molecular docking studies of the binding interaction between the new anaplastic lymphoma kinase inhibitor crizotinib and bovine serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 171, 174-182.	2.0	65
4	Microfluidic paper device for rapid detection of aflatoxin B1 using an aptamer based colorimetric assay. <i>RSC Advances</i> , 2020, 10, 11843-11850.	1.7	62
5	Design, synthesis and biological evaluation of some novel substituted quinazolines as antitumor agents. <i>European Journal of Medicinal Chemistry</i> , 2014, 79, 446-454.	2.6	61
6	Synthesis, antitumor activity and molecular docking study of some novel 3-benzyl-4(3H)quinazolinone analogues. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 78-89.	2.5	58
7	Synthesis and potential antitumor activity of 7-(4-substituted piperazin-1-yl)-4-oxoquinolines based on ciprofloxacin and norfloxacin scaffolds: <i>in silico</i> studies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 796-809.	2.5	46
8	Synthesis, antitumor and antimicrobial activity of some new 6-methyl-3-phenyl-4(3 <i>H</i>)-quinazolinone analogues: <i>in silico</i> studies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 721-735.	2.5	44
9	Fabrication of microfluidic device for Aflatoxin M1 detection in milk samples with specific aptamers. <i>Scientific Reports</i> , 2020, 10, 4627.	1.6	37
10	Ultra-Sensitive Biosensor with Simultaneous Detection (of Cancer and Diabetes) and Analysis of Deformation Effects on Dielectric Rods in Optical Microstructure. <i>Coatings</i> , 2021, 11, 1564.	1.2	36
11	Design, synthesis and biological evaluation of some novel substituted 2-mercapto-3-phenethylquinazolines as antitumor agents. <i>Medicinal Chemistry Research</i> , 2013, 22, 5566-5577.	1.1	35
12	Glutathione. <i>Profiles of Drug Substances, Excipients and Related Methodology</i> , 2015, 40, 43-158.	3.5	35
13	Therapeutic potential of functionalized siRNA nanoparticles on regression of liver cancer in experimental mice. <i>Scientific Reports</i> , 2019, 9, 15825.	1.6	34
14	A Spectroscopic Approach to Investigate the Molecular Interactions between the Newly Approved Irreversible ErbB blocker "Afatinib" and Bovine Serum Albumin. <i>PLoS ONE</i> , 2016, 11, e0146297.	1.1	34
15	Pomegranate peel induced biogenic synthesis of silver nanoparticles and their multifaceted potential against intracellular pathogen and cancer. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4191-4200.	1.8	31
16	Synthesis, single-crystal, in vitro antitumor evaluation and molecular docking of 3-substituted 5,5-diphenylimidazolidine-2,4-dione derivatives. <i>Medicinal Chemistry Research</i> , 2013, 22, 6129-6142.	1.1	29
17	Synthesis, molecular modeling study, preliminary antibacterial, and antitumor evaluation of N-substituted naphthalimides and their structural analogues. <i>Medicinal Chemistry Research</i> , 2013, 22, 2360-2375.	1.1	27
18	A simple and sensitive high performance liquid chromatography assay with a fluorescence detector for determination of canagliflozin in human plasma. <i>Analytical Methods</i> , 2015, 7, 3028-3035.	1.3	27

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19	Formulation Development, In Vitro and In Vivo Evaluation of Topical Hydrogel Formulation of Econazole Nitrate-Loaded β -Cyclodextrin Nanosponges. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 3702-3714.	1.6	27
20	Interaction and esterase activity of albumin serums with orphenadrine: A spectroscopic and computational approach. <i>Journal of Molecular Structure</i> , 2021, 1239, 130522.	1.8	27
21	High-Sensitivity Biosensor Based on Glass Resonance PhC Cavities for Detection of Blood Component and Glucose Concentration in Human Urine. <i>Coatings</i> , 2021, 11, 1555.	1.2	27
22	Phytochemical profiling, antioxidant and anticancer activities of <i>Gastrocotyle hispida</i> growing in Saudi Arabia. <i>Acta Tropica</i> , 2019, 191, 243-247.	0.9	24
23	Potentiometric determination of moxifloxacin in some pharmaceutical formulation using PVC membrane sensors. <i>Chemistry Central Journal</i> , 2014, 8, 59.	2.6	23
24	Spectrofluorimetric study of finasteride and bovine serum albumin interaction and its application for quantitative determination of finasteride in tablet dosage form. <i>Analytical Methods</i> , 2015, 7, 5096-5102.	1.3	20
25	Targeted nano-delivery of novel omega-3 conjugate against hepatocellular carcinoma: Regulating COX-2/bcl-2 expression in an animal model. <i>Biomedicine and Pharmacotherapy</i> , 2016, 81, 394-401.	2.5	20
26	Impact of Different Antireflection Layers on Cadmium Telluride (CdTe) Solar Cells: a PC1D Simulation Study. <i>Journal of Electronic Materials</i> , 2021, 50, 2199-2205.	1.0	20
27	Spectroscopic and molecular docking studies of the binding of the angiotensin II receptor blockers (ARBs) azilsartan, eprosartan and olmesartan to bovine serum albumin. <i>Journal of Luminescence</i> , 2018, 203, 616-628.	1.5	19
28	Novel BTK inhibitor acalabrutinib (ACP-196) tightly binds to site I of the human serum albumin as observed by spectroscopic and computational studies. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 536-543.	3.6	18
29	Multi-step molecular docking and dynamics simulation-based screening of large antiviral specific chemical libraries for identification of Nipah virus glycoprotein inhibitors. <i>Biophysical Chemistry</i> , 2021, 270, 106537.	1.5	18
30	FT-IR and FT-Raman spectroscopic signatures, vibrational assignments, NBO, NLO analysis and molecular docking study of 2-[[5-(adamantan-1-yl)-4-methyl-4H-1,2,4-triazol-3-yl]sulfanyl]-N,N-dimethylethanamine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 140, 1-14.	2.0	15
31	Review on Carbon Nanotube Varieties for Healthcare Application: Effect of Preparation Methods and Mechanism Insight. <i>Processes</i> , 2020, 8, 1654.	1.3	14
32	HPLC-Fluorescence Method for the Enantioselective Analysis of Propranolol in Rat Serum Using Immobilized Polysaccharide-Based Chiral Stationary Phase. <i>Chirality</i> , 2014, 26, 194-199.	1.3	13
33	Synthesis and antihepatotoxic activity of dihydropyrimidinone derivatives linked with 1,4-benzodioxane. <i>Drug Design, Development and Therapy</i> , 2019, Volume 13, 2393-2404.	2.0	12
34	A new method to determine the new C-Met inhibitor Cabozantinib in dosage form and human plasma via micelle-enhanced spectrofluorimetry. <i>RSC Advances</i> , 2015, 5, 40484-40490.	1.7	11
35	Antifungal efficacy of amphotericin B encapsulated fibrin microsphere for treating <i>Cryptococcus neoformans</i> infection in Swiss albino mice. <i>Brazilian Journal of Infectious Diseases</i> , 2016, 20, 342-348.	0.3	11
36	Identification of naphthyridine and quinoline derivatives as potential Nsp16-Nsp10 inhibitors: a pharmacoinformatics study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 3899-3906.	2.0	11

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37	Potential cytotoxicity of silver nanoparticles: Stimulation of autophagy and mitochondrial dysfunction in cardiac cells. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 2762-2771.	1.8	10
38	Identification of Severe Acute Respiratory Syndrome Coronavirus-2 inhibitors through in silico structure-based virtual screening and molecular interaction studies. <i>Journal of Molecular Recognition</i> , 2021, 34, e2918.	1.1	10
39	Antifungal Cationic Nanoemulsion Ferrying Miconazole Nitrate with Synergism to Control Fungal Infections: <i>In Vitro</i> , <i>Ex Vivo</i> , and <i>In Vivo</i> Evaluations. <i>ACS Omega</i> , 2022, 7, 13343-13353.	1.6	10
40	Additive potential of combination therapy against cryptococcosis employing a novel amphotericin B and fluconazole loaded dual delivery system. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 119, 171-178.	1.9	9
41	Development of novel univariate and multivariate validated chemometric methods for the analysis of dasatinib, sorafenib, and vandetanib in pure form, dosage forms and biological fluids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 264, 120336.	2.0	8
42	Simple and efficient spectroscopic-based univariate sequential methods for simultaneous quantitative analysis of vandetanib, dasatinib, and sorafenib in pharmaceutical preparations and biological fluids. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 260, 119987.	2.0	7
43	Mechanistic Insights into the Voltammetric Determination of Riboflavin at Poly (Serine) Modified Graphite and Carbon Nanotube Composite Paste Electrode. <i>ChemistrySelect</i> , 2021, 6, 10746-10757.	0.7	7
44	Molecular Diagnostic of Ochratoxin A With Specific Aptamers in Corn and Groundnut via Fabrication of a Microfluidic Device. <i>Frontiers in Nutrition</i> , 2022, 9, 851787.	1.6	7
45	A Facile One-Pot Synthesis and Anticancer Evaluation of Novel Substituted 1,2-Dihydropyridine and 1,2,3,4-Tetrahydropyrimidine Analogues. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 377-382.	1.4	6
46	In vitro and in vivo MRI imaging and photothermal therapeutic properties of Hematite (α -Fe ₂ O ₃) Nanorods. <i>Journal of Materials Science: Materials in Medicine</i> , 2022, 33, 10.	1.7	6
47	Anti-arthritis and immunosuppressive activities of substituted triterpenoidal candidates. <i>International Journal of Biological Macromolecules</i> , 2013, 58, 245-252.	3.6	5
48	Inhibition of Aldose Reductase by Novel Phytocompounds: A Heuristic Approach to Treating Diabetic Retinopathy. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-10.	0.5	5
49	Selective Analysis of Dopamine Receptor Antagonist LE300 and its N-Methyl Metabolite in Mouse Sera at the Trace Level by HPLC-Fluorescence Detection. <i>Chromatographia</i> , 2015, 78, 655-661.	0.7	4
50	Biophysical interactions, docking studies and cytotoxic potential of a novel propofol-linolenate: a multi-technique approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 2389-2401.	2.0	4
51	Spectroscopic, molecular docking and dynamic simulation studies of binding between the new anticancer agent olmutinib and human serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 14236-14246.	2.0	4
52	Spectrofluorimetric determination of dopamine receptor antagonist LE 300 in mice plasma. <i>Luminescence</i> , 2016, 31, 63-66.	1.5	3
53	Enhanced Efficacy of Thiosemicarbazone Derivative-Encapsulated Fibrin Liposomes against Candidiasis in Murine Model. <i>Pharmaceutics</i> , 2021, 13, 333.	2.0	3
54	Evaluation of the Efficacy, Biocompatibility, and Permeation of Bupivacaine-Loaded Poly(ϵ -caprolactone) Nano-Capsules as an Anesthetic. <i>Journal of Biomedical Nanotechnology</i> , 2022, 18, 268-276.	0.5	3

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55	Ketoconazole-Loaded Cationic Nanoemulsion: <i>In Vitro</i> – <i>Ex Vivo</i> – <i>In Vivo</i> Evaluations to Control Cutaneous Fungal Infections. ACS Omega, 2022, 7, 20267-20279.	1.6	3
56	Synthesis and Conformational Analysis of Sterically Congested (4 <i>R</i>)-1-(2,4,6-Trimethylbenzenesulfonyl)-3- <i>n</i> -butyryl-4- <i>tert</i> -butyl-2-imidazolidinone: X-Ray Crystallography and Semiempirical Calculations. Journal of Chemistry, 2014, 2014, 1-15.	0.9	2
57	Synthesis, Antiviral, and Antimicrobial Evaluation of Benzyl Protected Diversified C-nucleosides. Frontiers in Chemistry, 2018, 6, 294.	1.8	2
58	A Validated, Rapid and Cost-Efficient HPTLC Method for Quantification of Gamma-Linolenic Acid in Borage Oil and Evaluation of Antioxidant Activity. Journal of Chromatographic Science, 2022, 60, 364-371.	0.7	2
59	Synthesis and Characterization of Pyridine-Grafted Copolymers of Acrylic Acid–Styrene Derivatives for Antimicrobial and Fluorescence Applications. Micromachines, 2021, 12, 672.	1.4	2
60	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.	2.0	2
61	Unusual Sulfuric Acid-Induced Thiol Oxidation on Dehydrative Cyclization of Potassium N^2 -(1-Adamantylcarbonyl)Dithiocarbamate at Room Temperature. Phosphorus, Sulfur and Silicon and the Related Elements, 2014, 189, 477-482.	0.8	0
62	1-Acetyl-5-methoxy-4-(phenylsulfanyl)imidazolidin-2-one. Acta Crystallographica Section E: Structure Reports Online, 2014, 70, o145-o146.	0.2	0