

Tanveer A Wani

List of Publications by Year in descending order

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69
papers

1,911
citations

186265

28
h-index

276875

41
g-index

70
all docs

70
docs citations

70
times ranked

1737
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a novel 96-microwell assay with high throughput for determination of olmesartan medoxomil in its tablets. <i>Chemistry Central Journal</i> , 2012, 6, 1.	2.6	181
2	Study of Interactions of an Anticancer Drug Neratinib With Bovine Serum Albumin: Spectroscopic and Molecular Docking Approach. <i>Frontiers in Chemistry</i> , 2018, 6, 47.	3.6	89
3	Application of Box-Behnken design for ultrasonic-assisted extraction of polysaccharides from <i>Paeonia emodi</i> . <i>International Journal of Biological Macromolecules</i> , 2015, 72, 990-997.	7.5	85
4	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. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 2451-2461.	7.5	78
5	Spectrophotometric and molecular modelling studies on in vitro interaction of tyrosine kinase inhibitor linifanib with bovine serum albumin. <i>PLoS ONE</i> , 2017, 12, e0176015.	2.5	64
6	Interaction of an abiraterone with calf thymus DNA: Investigation with spectroscopic technique and modelling studies. <i>Bioorganic Chemistry</i> , 2020, 100, 103957.	4.1	61
7	Binding and drug displacement study of colchicine and bovine serum albumin in presence of azithromycin using multispectroscopic techniques and molecular dynamic simulation. <i>Journal of Molecular Liquids</i> , 2021, 333, 115934.	4.9	54
8	Influence of antioxidant flavonoids quercetin and rutin on the in-vitro binding of neratinib to human serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 246, 118977.	3.9	53
9	Study of binding interaction of rivaroxaban with bovine serum albumin using multi-spectroscopic and molecular docking approach. <i>Chemistry Central Journal</i> , 2017, 11, 134.	2.6	51
10	Poziotinib and bovine serum albumin binding characterization and influence of quercetin, rutin, naringenin and sinapic acid on their binding interaction. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 235, 118335.	3.9	50
11	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)-N-[(4-ethoxy-phenyl)methylidene]benzohydrazide Using a Multi-Spectroscopic Approach and Molecular Docking. <i>Molecules</i> , 2017, 22, 1258.	3.8	49
12	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. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 158, 105686.	4.0	47
13	Exploring the binding mechanism and adverse toxic effects of persistent organic pollutant (dicofol) to human serum albumin: A biophysical, biochemical and computational approach. <i>Chemico-Biological Interactions</i> , 2021, 350, 109707.	4.0	46
14	Molecular docking and experimental investigation of new indole derivative cyclooxygenase inhibitor to probe its binding mechanism with bovine serum albumin. <i>Bioorganic Chemistry</i> , 2019, 89, 103010.	4.1	45
15	Spectroscopic and molecular modeling studies of binding interaction between bovine serum albumin and roflumilast. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 2627-2634.	4.3	42
16	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.	1.3	41
17	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. <i>Journal of Molecular Liquids</i> , 2021, 342, 117542.	4.9	40
18	A Comprehensive Investigation of Interactions between Antipsychotic Drug Quetiapine and Human Serum Albumin Using Multi-Spectroscopic, Biochemical, and Molecular Modeling Approaches. <i>Molecules</i> , 2022, 27, 2589.	3.8	38

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19	Use of response surface methodology for development of new microwell-based spectrophotometric method for determination of atrovastatin calcium in tablets. <i>Chemistry Central Journal</i> , 2012, 6, 134.	2.6	37
20	Interaction Characterization of a Tyrosine Kinase Inhibitor Erlotinib with a Model Transport Protein in the Presence of Quercetin: A Drug-Protein and Drug-Drug Interaction Investigation Using Multi-Spectroscopic and Computational Approaches. <i>Molecules</i> , 2022, 27, 1265.	3.8	37
21	Mechanistic competitive binding interaction study between olmutinib and colchicine with model transport protein using spectroscopic and computer simulation approaches. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 426, 113794.	3.9	35
22	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.	2.7	33
23	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. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 3575.	2.5	33
24	Evaluation of competitive binding interaction of neratinib and tamoxifen to serum albumin in multidrug therapy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 227, 117691.	3.9	32
25	Novel automated flow-based immunosensor for real-time measurement of the breast cancer biomarker CA15-3 in serum. <i>Talanta</i> , 2012, 97, 499-504.	5.5	31
26	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.	3.8	31
27	Amelioration of thioacetamide-induced liver toxicity in Wistar rats by rutin. <i>International Journal of Immunopathology and Pharmacology</i> , 2017, 30, 207-214.	2.1	30
28	A Spectroscopic, Thermodynamic and Molecular Docking Study of the Binding Mechanism of Dapoxetine with Calf Thymus DNA. <i>South African Journal of Chemistry</i> , 2020, 73, .	0.6	29
29	Kinetic-exclusion analysis-based immunosensors versus enzyme-linked immunosorbent assays for measurement of cancer markers in biological specimens. <i>Talanta</i> , 2013, 111, 13-19.	5.5	28
30	Protective Role of Quercetin in Carbon Tetrachloride Induced Toxicity in Rat Brain: Biochemical, Spectrophotometric Assays and Computational Approach. <i>Molecules</i> , 2021, 26, 7526.	3.8	27
31	Resveratrol Reverses Thioacetamide-Induced Renal Assault with respect to Oxidative Stress, Renal Function, DNA Damage, and Cytokine Release in Wistar Rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-8.	4.0	26
32	Protective effects of quercetin on cadmium fluoride induced oxidative stress at different intervals of time in mouse liver. <i>Acta Biochimica Polonica</i> , 2015, 62, 207-213.	0.5	24
33	Analytical Study for the Charge-Transfer Complexes of Rosuvastatin Calcium with π -Acceptors. <i>Molecules</i> , 2013, 18, 7711-7725.	3.8	23
34	Telmisartan. <i>Profiles of Drug Substances, Excipients and Related Methodology</i> , 2015, 40, 371-429.	8.0	23
35	Association Mechanism and Conformational Changes in Trypsin on Its Interaction with Atrazine: A Multi-Spectroscopic and Biochemical Study with Computational Approach. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5636.	4.1	21
36	Deep Learning and Structure-Based Virtual Screening for Drug Discovery against NEK7: A Novel Target for the Treatment of Cancer. <i>Molecules</i> , 2022, 27, 4098.	3.8	21

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37	New ultra-performance liquid chromatography-tandem mass spectrometry method for the determination of irbesartan in human plasma. <i>Journal of Food and Drug Analysis</i> , 2015, 23, 569-576.	1.9	19
38	Topiramate. <i>Profiles of Drug Substances, Excipients and Related Methodology</i> , 2019, 44, 333-378.	8.0	19
39	Chiral Indolo[3,2-f][3]benzazecine-Type Dopamine Receptor Antagonists: Synthesis and Activity of Racemic and Enantiopure Derivatives. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 7422-7426.	6.4	17
40	Highly sensitive ultra-performance liquid chromatography-tandem mass spectrometry method for the determination of abiraterone in human plasma. <i>Analytical Methods</i> , 2013, 5, 3693.	2.7	15
41	Ultra performance liquid chromatography tandem mass spectrometric method development and validation for determination of neratinib in human plasma. <i>South African Journal of Chemistry</i> , 2015, 68, .	0.6	14
42	High-Dose Aspirin Reverses Tartrazine-Induced Cell Growth Dysregulation Independent of p53 Signaling and Antioxidant Mechanisms in Rat Brain. <i>BioMed Research International</i> , 2019, 2019, 1-8.	1.9	14
43	Potentiating and synergistic effect of grapefruit juice on the antioxidant and anti-inflammatory activity of aripiprazole against hydrogen peroxide induced oxidative stress in mice. <i>BMC Complementary and Alternative Medicine</i> , 2018, 18, 106.	3.7	13
44	Novel microwell-based spectrophotometric assay for determination of atorvastatin calcium in its pharmaceutical formulations. <i>Chemistry Central Journal</i> , 2011, 5, 57.	2.6	12
45	SENSITIVE HPLC METHOD WITH FLUORESCENCE DETECTION AND ON-LINE WAVELENGTH SWITCHING FOR SIMULTANEOUS DETERMINATION OF VALSARTAN AND AMLODIPINE IN HUMAN PLASMA. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2011, 34, 2583-2595.	1.0	11
46	New analytical application of antibody-based biosensor in estimation of thyroid-stimulating hormone in serum. <i>Bioanalysis</i> , 2016, 8, 625-632.	1.5	11
47	Chemical Composition Analysis, Cytotoxic, Antimicrobial and Antioxidant Activities of <i>Physalis angulata</i> L.: A Comparative Study of Leaves and Fruit. <i>Molecules</i> , 2022, 27, 1480.	3.8	11
48	Morphological changes in vero cells postinfection with dengue virus type-2. <i>Microscopy Research and Technique</i> , 2011, 74, 314-319.	2.2	10
49	Development and validation of ultra-performance liquid chromatographic method with tandem mass spectrometry for determination of lenalidomide in rabbit and human plasma. <i>Chemistry Central Journal</i> , 2013, 7, 7.	2.6	10
50	Simultaneous Determination of Reserpine, Rescinnamine, and Yohimbine in Human Plasma by Ultraperformance Liquid Chromatography Tandem Mass Spectrometry. <i>Journal of Analytical Methods in Chemistry</i> , 2013, 2013, 1-11.	1.6	10
51	An automated flow immunosensor based on kinetic exclusion analysis for measurement of a free β -subunit of human chorionic gonadotropin in serum. <i>New Journal of Chemistry</i> , 2012, 36, 1114.	2.8	8
52	Trace determination of lenalidomide in plasma by non-extractive HPLC procedures with fluorescence detection after pre-column derivatization with fluorescamine. <i>Chemistry Central Journal</i> , 2013, 7, 52.	2.6	8
53	Analytical Application of Flow Immunosensor in Detection of Thyroxine and Triiodothyronine in Serum. <i>Assay and Drug Development Technologies</i> , 2016, 14, 535-542.	1.2	8
54	Protective effects of apigenin against edifenphos-induced genotoxicity and cytotoxicity in rat hepatocytes. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 9306-9317.	3.5	8

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55	High throughput microwell spectrophotometric assay for olmesartan medoxomil in tablets based on its charge-transfer reaction with DDQ. <i>Acta Pharmaceutica</i> , 2014, 64, 63-75.	2.0	7
56	Transcriptome analysis of neratinib treated HER2 positive cancer model vs untreated cancer unravels the molecular mechanism of action of neratinib. <i>Saudi Pharmaceutical Journal</i> , 2020, 28, 963-970.	2.7	7
57	Simple, sensitive and rapid determination of linifanib (ABT-869), a novel tyrosine kinase inhibitor in rat plasma by UHPLC-MS/MS. <i>Chemistry Central Journal</i> , 2014, 8, 13.	2.6	6
58	Expression of STK11 gene and its promoter activity in MCF control and cancer cells. <i>3 Biotech</i> , 2017, 7, 362.	2.2	6
59	Evaluation of the Effect of Wheat Germ Oil and Olmutinib on the Thioacetamide-Induced Liver and Kidney Toxicity in Mice. <i>Life</i> , 2022, 12, 900.	2.4	6
60	Effectual Endeavors of Silk Protein Sericin against Isoproterenol Induced Cardiac Toxicity and Hypertrophy in Wistar Rats. <i>Life</i> , 2022, 12, 1063.	2.4	5
61	A highly sensitive automated flow immunosensor based on kinetic exclusion analysis for determination of the cancer marker 8-hydroxy-2- β -deoxyguanosine in urine. <i>Analytical Methods</i> , 2013, 5, 1502.	2.7	4
62	ICH guidelines-compliant HPLC-UV method for pharmaceutical quality control and therapeutic drug monitoring of the multi-targeted tyrosine kinase inhibitor pazopanib. <i>South African Journal of Chemistry</i> , 2017, , .	0.6	4
63	Novel microwell assay with high throughput and minimum consumption for organic solvents in the charge transfer-based spectrophotometric determination of clarithromycin in pharmaceutical formulations. <i>Chemistry Central Journal</i> , 2013, 7, 172.	2.6	3
64	Novel Microwell-Based Spectrophotometric Assay for the Determination of Rosuvastatin Calcium in its Pharmaceutical Formulations. <i>Current Pharmaceutical Analysis</i> , 2013, 9, 54-60.	0.6	3
65	Variants in MEF2A gene in relation with coronary artery disease in Saudi population. <i>3 Biotech</i> , 2018, 8, 289.	2.2	2
66	Betaxolol: A comprehensive profile. <i>Profiles of Drug Substances, Excipients and Related Methodology</i> , 2021, 46, 91-136.	8.0	2
67	Box-Behnken Design Based Statistical Modelling for Optimization of UPLC-MS/MS Method for Analysis of Sorafenib in Bulk and Tablets. <i>Journal of Computational and Theoretical Nanoscience</i> , 2015, 12, 3598-3604.	0.4	1
68	Development and validation of ultra-performance liquid chromatography-tandem mass spectrometry method for determination of cediranib in human plasma. <i>Main Group Chemistry</i> , 2015, 14, 349-357.	0.8	1
69	Development of Highly Efficient KinExA Immunosensor-Based Assay for the Measurement of Carcinoembryonic Antigen in Serum. <i>Current Analytical Chemistry</i> , 2018, 14, 430-435.	1.2	1