

# Shazi Shakil

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87  
papers

2,123  
citations

23  
h-index

44  
g-index

92  
ext. papers

2,495  
ext. citations

3.5  
avg, IF

4.95  
L-index

#	Paper	IF	Citations
87	In silico screening of glycogen synthase kinase-3 targeted ligands against acetylcholinesterase and its probable relevance to Alzheimer's disease. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 39, 5083-5092	3.6	17
86	Concatenation of molecular docking and molecular simulation of BACE-1, $\beta$ -secretase targeted ligands: in pursuit of Alzheimer's treatment. <i>Annals of Medicine</i> , <b>2021</b> , 53, 2332-2344	1.5	10
85	Can manipulation of gut microbiota really be transformed into an intervention strategy for cardiovascular disease management?. <i>Folia Microbiologica</i> , <b>2021</b> , 66, 897-916	2.8	0
84	High Throughput Virtual Screening and Molecular Dynamics Simulation for Identifying a Putative Inhibitor of Bacterial CTX-M-15. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	5
83	Genotyping of interleukins-18 promoters and their correlation with coronary artery stenosis in Saudi population. <i>Molecular Biology Reports</i> , <b>2021</b> , 48, 6695-6702	2.8	1
82	Molecular interaction of inhibitors with human brain butyrylcholinesterase.. <i>EXCLI Journal</i> , <b>2021</b> , 20, 1597-1607	2.4	1
81	Molecular interaction of anti-cancer ligands with human brain acetylcholinesterase. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 1-10	3.6	4
80	Association of autoimmunity and cancer: An emphasis on proteolytic enzymes. <i>Seminars in Cancer Biology</i> , <b>2020</b> , 64, 19-28	12.7	2
79	Genomic and antimicrobial resistance genes diversity in multidrug-resistant CTX-M-positive isolates of Escherichia coli at a health care facility in Jeddah. <i>Journal of Infection and Public Health</i> , <b>2020</b> , 13, 94-100	7.4	14
78	Association of Plasma Fibrinogen Level with Insulin Resistance in Angiographically Confirmed Coronary Artery Disease Patients. <i>Critical Reviews in Eukaryotic Gene Expression</i> , <b>2019</b> , 29, 277-285	1.3	
77	Molecular interaction of investigational ligands with human brain acetylcholinesterase. <i>Journal of Cellular Biochemistry</i> , <b>2019</b> , 120, 11820	4.7	3
76	Putative Anti-Cancer Drug Candidate Targeting the PLK-1-Polo-Box Domain by High Throughput Virtual Screening: A Computational Drug Design Study. <i>Critical Reviews in Eukaryotic Gene Expression</i> , <b>2019</b> , 29, 251-261	1.3	3
75	Interfering PLD1-PED/PEA15 interaction using self-inhibitory peptides: An study to discover novel therapeutic candidates against type 2 diabetes. <i>Saudi Journal of Biological Sciences</i> , <b>2019</b> , 26, 160-164	4	2
74	Molecular and enzoinformatics perspectives of targeting Polo-like kinase 1 in cancer therapy. <i>Seminars in Cancer Biology</i> , <b>2019</b> , 56, 47-55	12.7	15
73	Hepato-protective effect of Allium sativum against immobilization stress in rats. <i>Pakistan Journal of Pharmaceutical Sciences</i> , <b>2019</b> , 32, 521-528	0.4	1
72	ADNCD: a compendious database on anti-diabetic natural compounds focusing on mechanism of action. <i>3 Biotech</i> , <b>2018</b> , 8, 361	2.8	9
71	An insight towards anticancer potential of major coffee constituents. <i>BioFactors</i> , <b>2018</b> , 44, 315-326	6.1	11

70	Silver nanoparticles from leaf extract of <i>Mentha piperita</i> : Eco-friendly synthesis and effect on acetylcholinesterase activity. <i>Life Sciences</i> , <b>2018</b> , 209, 430-434	6.8	43
69	Therapeutic Targeting of Amyloid Precursor Protein and its Processing Enzymes for Breast Cancer Treatment. <i>Current Protein and Peptide Science</i> , <b>2018</b> , 19, 841-849	2.8	7
68	Molecular characterization, antimicrobial resistance and clinico-bioinformatics approaches to address the problem of extended-spectrum $\beta$ -lactamase-producing <i>Escherichia coli</i> in western Saudi Arabia. <i>Scientific Reports</i> , <b>2018</b> , 8, 14847	4.9	25
67	Mutagenic, antioxidant and wound healing properties of <i>Aloe vera</i> . <i>Journal of Ethnopharmacology</i> , <b>2018</b> , 227, 191-197	5	26
66	Estimation of Interleukin-1 Promoter (-31 C/T and -511 T/C) Polymorphisms and Its Level in Coronary Artery Disease Patients. <i>Journal of Cellular Biochemistry</i> , <b>2017</b> , 118, 2977-2982	4.7	12
65	Synthesis and Characterization of Cefotaxime Conjugated Gold Nanoparticles and Their Use to Target Drug-Resistant CTX-M-Producing Bacterial Pathogens. <i>Journal of Cellular Biochemistry</i> , <b>2017</b> , 118, 2802-2808	4.7	32
64	Molecular Interaction of Anti-Diabetic Drugs With Acetylcholinesterase and Sodium Glucose Co-Transporter 2. <i>Journal of Cellular Biochemistry</i> , <b>2017</b> , 118, 3855-3865	4.7	11
63	Non-clonal Dissemination of Extended-Spectrum Beta-Lactamase-Producing <i>Pseudomonas aeruginosa</i> Strains of Clinical Origin <b>2017</b> , 41, 1011-1015		2
62	Potential Linkage Between Cerebrovascular Diseases and Metabolic Syndrome. <i>Current Drug Metabolism</i> , <b>2017</b> , 18, 62-68	3.5	8
61	Common Therapeutic Modalities Against Diabetes and Associated Cardiovascular Disease. <i>Current Vascular Pharmacology</i> , <b>2017</b> , 15, 365-373	3.3	5
60	Galectins-A Potential Target for Cardiovascular Therapy. <i>Current Vascular Pharmacology</i> , <b>2017</b> , 15, 296-313	3.3	5
59	Inhibition of Butyrylcholinesterase with Fluorobenzylcysteine, An Experimental Alzheimer's Drug Candidate: Validation of Enzoinformatics Results by Classical and Innovative Enzyme Kinetic Analyses. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2017</b> , 16, 820-827	2.6	13
58	Comparative Inhibition Study of Compounds Identified in the Methanolic Extract of <i>Apamarga Kshara</i> Against <i>Trichomonas vaginalis</i> Carbamate Kinase (TvCK): An Enzoinformatics Approach. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , <b>2016</b> , 8, 357-365	3.5	3
57	Effect of an SNP in SCAP gene on lipid-lowering response to rosuvastatin in Indian patients with metabolic syndrome. <i>Pharmacogenomics</i> , <b>2016</b> , 17, 2015-2024	2.6	2
56	Forxiga (dapagliflozin): Plausible role in the treatment of diabetes-associated neurological disorders. <i>Biotechnology and Applied Biochemistry</i> , <b>2016</b> , 63, 145-50	2.8	28
55	Kinetics and Molecular Docking Study of an Anti-diabetic Drug Glimepiride as Acetylcholinesterase Inhibitor: Implication for Alzheimer's Disease-Diabetes Dual Therapy. <i>Neurochemical Research</i> , <b>2016</b> , 41, 1475-82	4.6	18
54	Current Updates on Therapeutic Advances in the Management of Cardiovascular Diseases. <i>Current Pharmaceutical Design</i> , <b>2016</b> , 22, 566-71	3.3	11
53	Recent Updates on the Association Between Alzheimer's Disease and Vascular Dementia. <i>Medicinal Chemistry</i> , <b>2016</b> , 12, 226-37	1.8	23

52	Linkage of Stress with Neuromuscular Disorders. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2016</b> , 15, 321-8	2.6	1
51	Prediction of Anti-Diabetic Drugs as Dual Inhibitors Against Acetylcholinesterase and Beta-Secretase: A Neuroinformatics Study. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2016</b> , 15, 1216-1221	2.6	2
50	Prevalence of CTX-M resistance marker and integrons among <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> isolates of clinical origin. <i>Letters in Applied Microbiology</i> , <b>2016</b> , 62, 419-27	2.9	7
49	A neuroinformatics study to compare inhibition efficiency of three natural ligands (Fawcettimine, Cernuine and Lycodine) against human brain acetylcholinesterase. <i>Network: Computation in Neural Systems</i> , <b>2015</b> , 26, 25-34	0.7	8
48	Prevalence of multidrug resistant and extended spectrum beta-lactamase producing <i>Pseudomonas aeruginosa</i> in a tertiary care hospital. <i>Saudi Journal of Biological Sciences</i> , <b>2015</b> , 22, 62-4	4	23
47	Risk factors for acquisition of extended spectrum beta lactamase producing <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> in North-Indian hospitals. <i>Saudi Journal of Biological Sciences</i> , <b>2015</b> , 22, 37-41	4	27
46	Antibiotic resistance and extended spectrum beta-lactamases: Types, epidemiology and treatment. <i>Saudi Journal of Biological Sciences</i> , <b>2015</b> , 22, 90-101	4	317
45	Effects of extremely low frequency electromagnetic field (ELF-EMF) on catalase, cytochrome P450 and nitric oxide synthase in erythro-leukemic cells. <i>Life Sciences</i> , <b>2015</b> , 121, 117-23	6.8	29
44	An overview on the correlation of neurological disorders with cardiovascular disease. <i>Saudi Journal of Biological Sciences</i> , <b>2015</b> , 22, 19-23	4	25
43	Role of anti-diabetic drugs as therapeutic agents in Alzheimer's disease. <i>EXCLI Journal</i> , <b>2015</b> , 14, 684-96	2.4	11
42	Integrating Qualitative and Quantitative Tools for the Detection and Identification of Lectins in Major Human Diseases. <i>Protein and Peptide Letters</i> , <b>2015</b> , 22, 954-62	1.9	1
41	A Synopsis of Nano-Technological Approaches Toward Anti-Epilepsy Therapy: Present and Future Research Implications. <i>Current Drug Metabolism</i> , <b>2015</b> , 16, 336-45	3.5	9
40	Nanobiotechnological Approaches Against Multidrug Resistant Bacterial Pathogens: An Update. <i>Current Drug Metabolism</i> , <b>2015</b> , 16, 362-70	3.5	5
39	Effect of degree of unsaturation of fatty acids on the activity of FabI (enoyl-acyl carrier protein reductase) enzyme from <i>Plasmodium falciparum</i> : an enoinformatics study. <i>Asian Pacific Journal of Tropical Disease</i> , <b>2014</b> , 4, S733-S738		
38	An enoinformatics study for prediction of efficacies of three novel penem antibiotics against New Delhi metallo-β-lactamase-1 bacterial enzyme. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , <b>2014</b> , 6, 208-15	3.5	3
37	Compounds isolated from <i>Ageratum houstonianum</i> inhibit the activity of matrix metalloproteinases (MMP-2 and MMP-9): An oncoinformatics study. <i>Pharmacognosy Magazine</i> , <b>2014</b> , 10, 18-26	0.8	13
36	An enoinformatics study targeting polo-like kinases-1 enzyme: Comparative assessment of anticancer potential of compounds isolated from leaves of <i>Ageratum houstonianum</i> . <i>Pharmacognosy Magazine</i> , <b>2014</b> , 10, S14-21	0.8	5
35	Complete genome sequencing and genetic characterization of Alkhumra hemorrhagic fever virus isolated from Najran, Saudi Arabia. <i>Intervirology</i> , <b>2014</b> , 57, 300-10	2.5	11

34	A neuroinformatics study describing molecular interaction of Cisplatin with acetylcholinesterase: a plausible cause for anticancer drug induced neurotoxicity. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2014</b> , 13, 265-70	2.6	14
33	Invokana (Canagliflozin) as a dual inhibitor of acetylcholinesterase and sodium glucose co-transporter 2: advancement in Alzheimer's disease- diabetes type 2 linkage via an enzoinformatics study. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2014</b> , 13, 447-51	2.6	26
32	Prediction of comparative inhibition efficiency for a novel natural ligand, galangin against human brain acetylcholinesterase, butyrylcholinesterase and 5-lipoxygenase: a neuroinformatics study. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2014</b> , 13, 452-9	2.6	13
31	Molecular interaction of human brain acetylcholinesterase with a natural inhibitor huperzine-B: an enzoinformatics approach. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2014</b> , 13, 487-90	2.6	13
30	Current acetylcholinesterase-inhibitors: a neuroinformatics perspective. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2014</b> , 13, 391-401	2.6	30
29	Crystal structure and interaction of phycocyanin with $\beta$ secretase: A putative therapy for Alzheimer's disease. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2014</b> , 13, 691-8	2.6	20
28	Protein misfolding and aggregation in Alzheimer's disease and type 2 diabetes mellitus. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2014</b> , 13, 1280-93	2.6	81
27	Aptiom (eslicarbazepine acetate) as a dual inhibitor of $\beta$ secretase and voltage-gated sodium channel: advancement in Alzheimer's disease-epilepsy linkage via an enzoinformatics study. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2014</b> , 13, 1258-62	2.6	6
26	Fetzima (levomilnacipran), a drug for major depressive disorder as a dual inhibitor for human serotonin transporters and beta-site amyloid precursor protein cleaving enzyme-1. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2014</b> , 13, 1427-31	2.6	7
25	Cancer chemoprevention by polyphenols and their potential application as nanomedicine. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , <b>2013</b> , 31, 67-98	4.5	47
24	A simple click by click protocol to perform docking: AutoDock 4.2 made easy for non-bioinformaticians. <i>EXCLI Journal</i> , <b>2013</b> , 12, 831-57	2.4	107
23	Homology modeling and docking study of recent SHV type $\beta$ lactamses with traditional and novel inhibitors: an in silico approach to combat problem of multiple drug resistance in various infections. <i>Medicinal Chemistry Research</i> , <b>2012</b> , 21, 2229-2237	2.2	1
22	Nanotechnology-based approaches in anticancer research. <i>International Journal of Nanomedicine</i> , <b>2012</b> , 7, 4391-408	7.3	173
21	Molecular interaction of the antineoplastic drug, methotrexate with human brain acetylcholinesterase: a docking study. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2012</b> , 11, 142-7	2.6	12
20	A synopsis on the role of tyrosine hydroxylase in Parkinson's disease. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2012</b> , 11, 395-409	2.6	82
19	Molecular docking study of catecholamines and [4-(propan-2-yl) phenyl]carbamic acid with tyrosine hydroxylase. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2012</b> , 11, 463-8	2.6	8
18	Genotoxicity testing and biomarker studies on surface waters: an overview of the techniques and their efficacies. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , <b>2011</b> , 29, 250-75	4.5	30
17	Interaction of human brain acetylcholinesterase with cyclophosphamide: a molecular modeling and docking study. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2011</b> , 10, 845-8	2.6	13

16	New Delhi metallo-β-lactamase (NDM-1): an update. <i>Journal of Chemotherapy</i> , <b>2011</b> , 23, 263-5	2.3	35
15	Prevalence of integrons, blaCTX-M and blaTEM resistance markers among ESBL-producing uropathogenic <i>Escherichia coli</i> isolates: first report of genomic blaCTX-M from India. <i>Journal of Chemotherapy</i> , <b>2011</b> , 23, 131-4	2.3	4
14	C-peptide and its correlation to parameters of insulin resistance in the metabolic syndrome. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2011</b> , 10, 921-7	2.6	14
13	Human platelet acetylcholinesterase inhibition by cyclophosphamide: a combined experimental and computational approach. <i>CNS and Neurological Disorders - Drug Targets</i> , <b>2011</b> , 10, 928-35	2.6	3
12	Novel compound from <i>Trachyspermum ammi</i> (Ajowan caraway) seeds with antibiofilm and antiadherence activities against <i>Streptococcus mutans</i> : a potential chemotherapeutic agent against dental caries. <i>Journal of Applied Microbiology</i> , <b>2010</b> , 109, 2151-9	4.7	38
11	Acquisition of extended-spectrum beta-lactamase producing <i>Escherichia coli</i> strains in male and female infants admitted to a neonatal intensive care unit: molecular epidemiology and analysis of risk factors. <i>Journal of Medical Microbiology</i> , <b>2010</b> , 59, 948-954	3.2	42
10	Detection of CTX-M-15-producing and carbapenem-resistant <i>Acinetobacter baumannii</i> strains from urine from an Indian hospital. <i>Journal of Chemotherapy</i> , <b>2010</b> , 22, 324-7	2.3	21
9	Risk factors for extended-spectrum beta-lactamase producing <i>Escherichia coli</i> and <i>Klebsiella pneumoniae</i> acquisition in a neonatal intensive care unit. <i>Journal of Tropical Pediatrics</i> , <b>2010</b> , 56, 90-6	1.2	20
8	Infected foot ulcers in male and female diabetic patients: a clinico-bioinformative study. <i>Annals of Clinical Microbiology and Antimicrobials</i> , <b>2010</b> , 9, 2	6.2	42
7	Interaction of 2009 CTX - M Variants with Drugs and Inhibitors: a Molecular Modeling and Docking Study. <i>Journal of Proteomics and Bioinformatics</i> , <b>2010</b> , 03, 130-134	2.1	5
6	Interaction of CTX-M-15 enzyme with cefotaxime: a molecular modelling and docking study. <i>Bioinformation</i> , <b>2010</b> , 4, 468-72	1.1	11
5	Doripenem versus bacteria: an emerging battleground. <i>Journal of Chemotherapy</i> , <b>2009</b> , 21, 482-92	2.3	8
4	Efficacy of neuraminidase (NA) inhibitors against H1N1 strains of different geographical regions: an in silico approach. <i>Indian Journal of Microbiology</i> , <b>2009</b> , 49, 370-6	3.7	4
3	Antimicrobial activity of five herbal extracts against multi drug resistant (MDR) strains of bacteria and fungus of clinical origin. <i>Molecules</i> , <b>2009</b> , 14, 586-97	4.8	179
2	Tigecycline: a critical update. <i>Journal of Chemotherapy</i> , <b>2008</b> , 20, 411-9	2.3	20
1	Aminoglycosides versus bacteria--a description of the action, resistance mechanism, and nosocomial battleground. <i>Journal of Biomedical Science</i> , <b>2008</b> , 15, 5-14	13.3	125