

Vishvanath Tiwari

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,744
citations

318942

23
h-index

214428

50
g-index

69
all docs

69
docs citations

69
times ranked

3804
citing authors

#	ARTICLE	IF	CITATIONS
1	Reverse vaccinology approach to design a vaccine targeting membrane lipoproteins of <i>Salmonella typhi</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 954-969.	2.0	3
2	Design of novel hybrid secondary metabolite targets to diguanylate cyclase of <i>Acinetobacter baumannii</i> . <i>FEMS Microbes</i> , 2022, 2, .	0.8	4
3	Therapeutic strategies against potential antibiofilm targets of multidrug-resistant <i>Acinetobacter baumannii</i> . <i>Journal of Cellular Physiology</i> , 2022, 237, 2045-2063.	2.0	18
4	Antipersist strategies against stress induced bacterial persistence. <i>Microbial Pathogenesis</i> , 2022, 164, 105423.	1.3	13
5	Role of proline-tyrosine kinase 2 (Pyk2) in the pathogenesis of Alzheimer's disease. <i>European Journal of Neuroscience</i> , 2022, 56, 5442-5452.	1.2	2
6	Pharmacophore screening, denovo designing, retrosynthetic analysis, and combinatorial synthesis of a novel lead VTRA1.1 against RecA protein of <i>Acinetobacter baumannii</i> . <i>Chemical Biology and Drug Design</i> , 2022, 99, 839-856.	1.5	12
7	Potentiate the activity of current antibiotics by naringin dihydrochalcone targeting the AdeABC efflux pump of multidrug-resistant <i>Acinetobacter baumannii</i> . <i>International Journal of Biological Macromolecules</i> , 2022, 217, 592-605.	3.6	9
8	Therapeutic strategies against autophagic escape by pathogenic bacteria. <i>Drug Discovery Today</i> , 2021, 26, 704-712.	3.2	10
9	Denovo designing, retro-combinatorial synthesis, and molecular dynamics analysis identify novel antiviral VTRM1.1 against RNA-dependent RNA polymerase of SARS CoV2 virus. <i>International Journal of Biological Macromolecules</i> , 2021, 171, 358-365.	3.6	12
10	Strategies to Combat Bacterial Antimicrobial Resistance: a Focus on Mechanism of the Efflux Pumps Inhibitors. <i>SN Comprehensive Clinical Medicine</i> , 2021, 3, 510-527.	0.3	8
11	Efflux pumps in multidrug-resistant <i>Acinetobacter baumannii</i> : Current status and challenges in the discovery of efflux pumps inhibitors. <i>Microbial Pathogenesis</i> , 2021, 152, 104766.	1.3	26
12	Immunoinformatic approach to design a multi-epitope vaccine targeting non-mutational hotspot regions of structural and non-structural proteins of the SARS CoV2. <i>PeerJ</i> , 2021, 9, e11126.	0.9	7
13	Subtractive proteomic analysis of antigenic extracellular proteins and design a multi-epitope vaccine against <i>Staphylococcus aureus</i> . <i>Microbiology and Immunology</i> , 2021, 65, 302-316.	0.7	8
14	Editorial: Insights Into New Strategies to Combat Biofilms. <i>Frontiers in Microbiology</i> , 2021, 12, 742647.	1.5	6
15	Subtractive Proteomics and Reverse Vaccinology Strategies for Designing a Multi-epitope Vaccine Targeting Membrane Proteins of <i>Klebsiella pneumoniae</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 2021, 27, 1177-1195.	0.9	14
16	Assessment of Molecular Mechanism of Gallate-Polyvinylpyrrolidone-Capped Hybrid Silver Nanoparticles against Carbapenem-Resistant <i>Acinetobacter baumannii</i> . <i>ACS Omega</i> , 2020, 5, 1206-1213.	1.6	16
17	Novel hybrid antiviral VTRRT-13V2.1 against SARS-CoV2 main protease: retro-combinatorial synthesis and molecular dynamics analysis. <i>Heliyon</i> , 2020, 6, e05122.	1.4	7
18	Denovo designing, retrosynthetic analysis, and combinatorial synthesis of a hybrid antiviral (VTAR-01) to inhibit the interaction of SARS-CoV2 spike glycoprotein with human angiotensin-converting enzyme 2. <i>Biology Open</i> , 2020, 9, .	0.6	9

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19	Rational targeting of Wzb phosphatase and Wzc kinase interaction inhibits extracellular polysaccharides synthesis and biofilm formation in <i>Acinetobacter baumannii</i> . <i>Carbohydrate Research</i> , 2020, 492, 108025.	1.1	16
20	Molecular mechanisms of bacteria induced autophagy and its escape strategies. <i>Future Microbiology</i> , 2020, 15, 303-306.	1.0	4
21	Microbial Metalloproteome: Approaches and Biomedical Application in Microbial Antibiotics Resistance. <i>Journal of Bio-agriculture</i> , 2020, , 167-178.	0.0	0
22	Molecular mechanism of antimicrobial activity of chlorhexidine against carbapenem-resistant <i>Acinetobacter baumannii</i> . <i>PLoS ONE</i> , 2019, 14, e0224107.	1.1	35
23	Prioritization of potential vaccine targets using comparative proteomics and designing of the chimeric multi-epitope vaccine against <i>Pseudomonas aeruginosa</i> . <i>Scientific Reports</i> , 2019, 9, 5240.	1.6	76
24	Post-translational modification of ESKAPE pathogens as a potential target in drug discovery. <i>Drug Discovery Today</i> , 2019, 24, 814-822.	3.2	24
25	Proteomic analysis of iron-regulated membrane proteins identify FhuE receptor as a target to inhibit siderophore-mediated iron acquisition in <i>Acinetobacter baumannii</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 125, 1156-1167.	3.6	20
26	Molecular insight into the therapeutic potential of phytoconstituents targeting protein conformation and their expression. <i>Phytomedicine</i> , 2019, 52, 225-237.	2.3	6
27	<i>In silico</i> interaction studies suggest RND efflux pump mediates polymyxin resistance in <i>Acinetobacter baumannii</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 95-103.	2.0	29
28	Rationale and design of an inhibitor of RecA protein as an inhibitor of <i>Acinetobacter baumannii</i> . <i>Journal of Antibiotics</i> , 2018, 71, 522-534.	1.0	25
29	Host-bacteria interaction and adhesin study for development of therapeutics. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 54-64.	3.6	40
30	<i>In silico</i> high-throughput virtual screening and molecular dynamics simulation study to identify inhibitor for AdeABC efflux pump of <i>Acinetobacter baumannii</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 1182-1194.	2.0	61
31	Strategies for combating bacterial biofilms: A focus on anti-biofilm agents and their mechanisms of action. <i>Virulence</i> , 2018, 9, 522-554.	1.8	874
32	<i>In-silico</i> screening and experimental validation reveal L-Adrenaline as anti-biofilm molecule against biofilm-associated protein (Bap) producing <i>Acinetobacter baumannii</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1242-1252.	3.6	35
33	Differential anti-microbial secondary metabolites in different ESKAPE pathogens explain their adaptation in the hospital setup. <i>Infection, Genetics and Evolution</i> , 2018, 66, 57-65.	1.0	26
34	Investigation of the interaction of allergens of <i>Glycine max</i> with IgE-antibody for designing of peptidomimetics based anti-allergen. <i>International Immunopharmacology</i> , 2018, 61, 394-404.	1.7	5
35	Targeting Outer Membrane Protein Component AdeC for the Discovery of Efflux Pump Inhibitor against AdeABC Efflux Pump of Multidrug Resistant <i>Acinetobacter baumannii</i> . <i>Cell Biochemistry and Biophysics</i> , 2018, 76, 391-400.	0.9	23
36	Mechanism of Anti-bacterial Activity of Zinc Oxide Nanoparticle Against Carbapenem-Resistant <i>Acinetobacter baumannii</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 1218.	1.5	305

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37	Comparative mechanism based study on disinfectants against multidrug-resistant <i>Acinetobacter baumannii</i> . <i>Journal of Cellular Biochemistry</i> , 2018, 119, 10314-10326.	1.2	13
38	Subtractive proteomics to identify novel drug targets and reverse vaccinology for the development of chimeric vaccine against <i>Acinetobacter baumannii</i> . <i>Scientific Reports</i> , 2018, 8, 9044.	1.6	187
39	Fluorescence Studies for Biomolecular Structure and Dynamics. <i>Reviews in Fluorescence</i> , 2017, , 319-357.	0.5	1
40	Effect of secondary metabolite of <i>Actinidia deliciosa</i> on the biofilm and extra-cellular matrix components of <i>Acinetobacter baumannii</i> . <i>Microbial Pathogenesis</i> , 2017, 110, 345-351.	1.3	60
41	Polyvinylpyrrolidone-Capped Silver Nanoparticle Inhibits Infection of Carbapenem-Resistant Strain of <i>Acinetobacter baumannii</i> in the Human Pulmonary Epithelial Cell. <i>Frontiers in Immunology</i> , 2017, 8, 973.	2.2	64
42	Significances of OMV and Extracellular Vesicle Proteomics. <i>Journal of Data Mining in Genomics & Proteomics</i> , 2017, 08, .	0.5	1
43	Molecular Evolution of Diverse Enzymatic Activity in Biomolecules. <i>Current Chemical Biology</i> , 2017, 11, .	0.2	1
44	In-silico Approach Explains Evolution of Beta-lactamases from Penicillin Binding Proteins. <i>Journal of Proteomics and Bioinformatics</i> , 2016, 9, .	0.4	4
45	In vitro Engineering of Novel Bioactivity in the Natural Enzymes. <i>Frontiers in Chemistry</i> , 2016, 4, 39.	1.8	20
46	Screening of Herbal-Based Bioactive Extract Against Carbapenem-Resistant Strain of <i>Acinetobacter baumannii</i> . <i>Microbial Drug Resistance</i> , 2016, 22, 364-371.	0.9	42
47	Comparative Anti-Bacterial Activity of Differently Capped Silver Nanomaterial on the Carbapenem Sensitive and Resistant Strains of <i>Acinetobacter baumannii</i> . <i>Journal of Nanomedicine & Nanotechnology</i> , 2015, 06, .	1.1	7
48	Phosphoproteomics as an emerging weapon to develop new antibiotics against carbapenem resistant strain of <i>Acinetobacter baumannii</i> . <i>Journal of Proteomics</i> , 2015, 112, 336-338.	1.2	11
49	<i>In-vivo</i> and <i>in-vitro</i> techniques used to investigate Alzheimer's disease. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2015, 8, 332-347.	1.1	13
50	Antimicrobial active herbal compounds against <i>Acinetobacter baumannii</i> and other pathogens. <i>Frontiers in Microbiology</i> , 2015, 6, 618.	1.5	60
51	Assessment of real-time method to detect liver parasite burden under different experimental conditions in mice infected with <i>Plasmodium yoelii</i> sporozoites. <i>Microbial Pathogenesis</i> , 2015, 89, 35-42.	1.3	17
52	Investigation of Surface Tryptophan of Protein by Selective Excitation at 305 nm. <i>Journal of Biophysical Chemistry</i> , 2015, 06, 87-90.	0.1	2
53	Anti-bacterial Activity of Polyvinyl Pyrrolidone Capped Silver Nanoparticles on the Carbapenem Resistant Strain of <i>Acinetobacter baumannii</i> . <i>Journal of Nanomedicine & Nanotechnology</i> , 2014, 05, .	1.1	26
54	Membrane Proteomics has emerged as a Tool to Study Carbapenem Resistance in <i>Acinetobacter baumannii</i> . <i>Journal of Proteomics and Bioinformatics</i> , 2014, 07, .	0.4	3

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55	Quantitative proteomics to study carbapenem resistance in <i>Acinetobacter baumannii</i> . <i>Frontiers in Microbiology</i> , 2014, 5, 512.	1.5	38
56	Conformational stability of OXA-51 β -lactamase explains its role in carbapenem resistance of <i>Acinetobacter baumannii</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2014, 32, 1406-1420.	2.0	47
57	Mechanism of action of anti-hypercholesterolemia drugs and their resistance. <i>European Journal of Pharmacology</i> , 2014, 741, 156-170.	1.7	45
58	Differential proteomics has emerged as a tool to understand carbapenem resistance in <i>Acinetobacter baumannii</i> . <i>Journal of Integrated OMICS</i> , 2014, 4, .	0.5	5
59	Structural studies on New Delhi Metallo- β -lactamase (NDM-2) suggest old β -lactam, penicillin to be better antibiotic for NDM-2-harboring <i>Acinetobacter baumannii</i> . <i>Journal of Biomolecular Structure and Dynamics</i> , 2013, 31, 591-601.	2.0	26
60	Effect of Iron Availability on the Survival of Carbapenem-Resistant <i>Acinetobacter baumannii</i> : a Proteomic Approach. <i>Journal of Proteomics and Bioinformatics</i> , 2013, 06, .	0.4	21
61	Carbapenem-hydrolyzing oxacillinase in high resistant strains of <i>Acinetobacter baumannii</i> isolated from India. <i>Microbial Pathogenesis</i> , 2012, 53, 81-86.	1.3	49
62	In-silico modeling of a novel OXA-51 from β -lactam-resistant <i>Acinetobacter baumannii</i> and its interaction with various antibiotics. <i>Journal of Molecular Modeling</i> , 2012, 18, 3351-3361.	0.8	34
63	Comparative Proteomics of Inner Membrane Fraction from Carbapenem-Resistant <i>Acinetobacter baumannii</i> with a Reference Strain. <i>PLoS ONE</i> , 2012, 7, e39451.	1.1	69
64	Differential expression of Outer membrane proteins in early stages of meropenem-resistance in <i>Acinetobacter baumannii</i> . <i>Journal of Integrated OMICS</i> , 2011, 1, .	0.5	3
65	Analysis of penicillin-binding proteins (PBPs) in carbapenem resistant <i>Acinetobacter baumannii</i> . <i>Indian Journal of Medical Research</i> , 2011, 133, 332-8.	0.4	34
66	Quantitative Profiling and Identification of Outer Membrane Proteins of β -Lactam Resistant Strain of <i>Acinetobacter baumannii</i> . <i>Journal of Proteome Research</i> , 2010, 9, 1121-1128.	1.8	52
67	Mechanism of Anti-bacterial Activity of Zinc Oxide Nanoparticle Against Carbapenem-Resistant <i>Acinetobacter baumannii</i> . <i>Frontiers in Microbiology</i> , 0, 9, .	1.5	1