

Muhammad Shahid Riaz Rajoka

List of Publications by Year in descending order

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69
papers

2,584
citations

236925

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73
all docs

73
docs citations

73
times ranked

2942
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological activity of lipopeptides from <i>Bacillus</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 5951-5960.	3.6	233
2	Fungal silver nanoparticles: synthesis, application and challenges. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 817-835.	9.0	178
3	Identification, characterization, and probiotic potential of <i>Lactobacillus rhamnosus</i> isolated from human milk. <i>LWT - Food Science and Technology</i> , 2017, 84, 271-280.	5.2	134
4	Interaction between diet composition and gut microbiota and its impact on gastrointestinal tract health. <i>Food Science and Human Wellness</i> , 2017, 6, 121-130.	4.9	116
5	Functional characterization and biotechnological potential of exopolysaccharide produced by <i>Lactobacillus rhamnosus</i> strains isolated from human breast milk. <i>LWT - Food Science and Technology</i> , 2018, 89, 638-647.	5.2	102
6	<i>Lactobacillus</i> exopolysaccharides: New perspectives on engineering strategies, physiochemical functions, and immunomodulatory effects on host health. <i>Trends in Food Science and Technology</i> , 2020, 103, 36-48.	15.1	100
7	Antibacterial and antioxidant activity of exopolysaccharide mediated silver nanoparticle synthesized by <i>Lactobacillus brevis</i> isolated from Chinese koumiss. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 186, 110734.	5.0	98
8	Chitin/chitosan derivatives and their interactions with microorganisms: a comprehensive review and future perspectives. <i>Critical Reviews in Biotechnology</i> , 2020, 40, 365-379.	9.0	96
9	Anticancer potential against cervix cancer (HeLa) cell line of probiotic <i>Lactobacillus casei</i> and <i>Lactobacillus paracasei</i> strains isolated from human breast milk. <i>Food and Function</i> , 2018, 9, 2705-2715.	4.6	90
10	Green synthesis of a silver nanoparticle using <i>Moringa oleifera</i> seed and its applications for antimicrobial and sun-light mediated photocatalytic water detoxification. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105290.	6.7	90
11	Chitosan and its derivatives: synthesis, biotechnological applications, and future challenges. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 1557-1571.	3.6	79
12	Capacity of lactic acid bacteria in immunity enhancement and cancer prevention. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 35-45.	3.6	70
13	Characterization and anti-tumor activity of exopolysaccharide produced by <i>Lactobacillus kefir</i> isolated from Chinese kefir grains. <i>Journal of Functional Foods</i> , 2019, 63, 103588.	3.4	68
14	Valorization of kiwi agricultural waste and industry by-products by recovering bioactive compounds and applications as food additives: A circular economy model. <i>Food Chemistry</i> , 2022, 370, 131315.	8.2	62
15	Anti-tumor potential of cell free culture supernatant of <i>Lactobacillus rhamnosus</i> strains isolated from human breast milk. <i>Food Research International</i> , 2019, 123, 286-297.	6.2	59
16	P21-Activated Kinase 1: Emerging biological functions and potential therapeutic targets in Cancer. <i>Theranostics</i> , 2020, 10, 9741-9766.	10.0	56
17	Role of Food Antioxidants in Modulating Gut Microbial Communities: Novel Understandings in Intestinal Oxidative Stress Damage and Their Impact on Host Health. <i>Antioxidants</i> , 2021, 10, 1563.	5.1	51
18	Therapeutic potential of <i>Moringa oleifera</i> seed polysaccharide embedded silver nanoparticles in wound healing. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 144-158.	7.5	47

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19	Simulated microgravity affects some biological characteristics of <i>Lactobacillus acidophilus</i> . <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3439-3449.	3.6	46
20	Characterization, the Antioxidant and Antimicrobial Activity of Exopolysaccharide Isolated from Poultry Origin <i>Lactobacilli</i> . <i>Probiotics and Antimicrobial Proteins</i> , 2019, 11, 1132-1142.	3.9	41
21	The Prospects for the Therapeutic Implications of Genetically Engineered Probiotics. <i>Journal of Food Quality</i> , 2020, 2020, 1-11.	2.6	39
22	Isolation and evaluation of probiotic potential of lactic acid bacteria isolated from poultry intestine. <i>Microbiology</i> , 2018, 87, 116-126.	1.2	35
23	Nanozymes for medical biotechnology and its potential applications in biosensing and nanotherapeutics. <i>Biotechnology Letters</i> , 2020, 42, 357-373.	2.2	35
24	Techno-functional properties and immunomodulatory potential of exopolysaccharide from <i>Lactiplantibacillus plantarum</i> MM89 isolated from human breast milk. <i>Food Chemistry</i> , 2022, 377, 131954.	8.2	30
25	The Side Effects and Adverse Clinical Cases Reported after COVID-19 Immunization. <i>Vaccines</i> , 2022, 10, 488.	4.4	28
26	Insights on the ultra high antibacterial activity of positionally substituted 2-O-hydroxypropyl trimethyl ammonium chloride chitosan: A joint interaction of -NH ₂ and -N ⁺ (CH ₃) ₃ with bacterial cell wall. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 429-436.	5.0	27
27	Current perspectives in cell-based approaches towards the definition of the antioxidant activity in food. <i>Trends in Food Science and Technology</i> , 2021, 116, 232-243.	15.1	26
28	Origination, change, and modulation of geriatric disease-related gut microbiota during life. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 8275-8289.	3.6	25
29	An overview of chia seed (<i>Salvia hispanica</i> L.) bioactive peptides™ derivation and utilization as an emerging nutraceutical food. <i>Frontiers in Bioscience</i> , 2021, 26, 643.	2.1	25
30	Anti-tumor effect of hot aqueous extracts from <i>Sonchus oleraceus</i> (L.) L. and <i>Juniperus sabina</i> L. Two traditional medicinal plants in China. <i>Journal of Ethnopharmacology</i> , 2016, 185, 289-299.	4.1	24
31	Strategies to increase the efficacy of using gut microbiota for the modulation of obesity. <i>Obesity Reviews</i> , 2017, 18, 1260-1271.	6.5	24
32	Dietary compounds have potential in controlling atherosclerosis by modulating macrophage cholesterol metabolism and inflammation via miRNA. <i>Npj Science of Food</i> , 2018, 2, 13.	5.5	23
33	Recent Advances in the Production of Exopolysaccharide (EPS) from <i>Lactobacillus</i> spp. and Its Application in the Food Industry: A Review. <i>Sustainability</i> , 2021, 13, 12429.	3.2	23
34	Immunomodulation Potential of Probiotics: A Novel Strategy for Improving Livestock Health, Immunity, and Productivity. <i>Microorganisms</i> , 2022, 10, 388.	3.6	22
35	Lotus seeds (<i>Nelumbinis semen</i>) as an emerging therapeutic seed: A comprehensive review. <i>Food Science and Nutrition</i> , 2021, 9, 3971-3987.	3.4	21
36	Virucidal activity of Moringa A from <i>Moringa oleifera</i> seeds against Influenza A Viruses by regulating TFEB. <i>International Immunopharmacology</i> , 2021, 95, 107561.	3.8	21

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37	Gut microbiota targeted nanomedicine for cancer therapy: Challenges and future considerations. Trends in Food Science and Technology, 2021, 107, 240-251.	15.1	20
38	Isolation and functional characterization of exopolysaccharide produced by Lactobacillus plantarum S123 isolated from traditional Chinese cheese. Archives of Microbiology, 2021, 203, 3061-3070.	2.2	20
39	Revalorization of Almond By-Products for the Design of Novel Functional Foods: An Updated Review. Foods, 2021, 10, 1823.	4.3	20
40	A new type of bilayer dural substitute candidate made up of modified chitin and bacterial cellulose. Carbohydrate Polymers, 2021, 256, 117577.	10.2	18
41	Designing novel anticancer sulfonamide based 2,5-disubstituted-1,3,4-thiadiazole derivatives as potential carbonic anhydrase inhibitor. Journal of Molecular Structure, 2021, 1246, 131145.	3.6	18
42	Anti-angiogenesis Potential of Phytochemicals for the Therapeutic Management of Tumors. Current Pharmaceutical Design, 2020, 26, 265-278.	1.9	18
43	Enhancing the shelf stability of fresh-cut potatoes via chemical and nonthermal treatments. Journal of Food Processing and Preservation, 2021, 45, e15582.	2.0	17
44	Nanohybrids-assisted photocatalytic removal of pharmaceutical pollutants to abate their toxicological effects – A review. Chemosphere, 2022, 291, 133056.	8.2	16
45	Impact of dietary compounds on cancer-related gut microbiota and microRNA. Applied Microbiology and Biotechnology, 2018, 102, 4291-4303.	3.6	15
46	Moringa oleifera – A Functional Food and Its Potential Immunomodulatory Effects. Food Reviews International, 2022, 38, 1533-1552.	8.4	15
47	Isolation and identification of two new compounds from the seeds of <i>Moringa oleifera</i> and their antiviral and anti-inflammatory activities. Natural Product Research, 2022, 36, 974-983.	1.8	15
48	Down-regulation of miR-10a-5p promotes proliferation and restricts apoptosis via targeting T-box transcription factor 5 in inflamed synoviocytes. Bioscience Reports, 2018, 38, .	2.4	14
49	The Therapeutic Prospects of Naturally Occurring and Synthetic Indole Alkaloids for Depression and Anxiety Disorders. Evidence-based Complementary and Alternative Medicine, 2020, 2020, 1-11.	1.2	13
50	Immunobiotic Feed Developed with Lactobacillus delbrueckii subsp. delbrueckii TUA4408L and the Soymilk By-Product Okara Improves Health and Growth Performance in Pigs. Microorganisms, 2021, 9, 921.	3.6	12
51	Probiotic Supplements: Their Strategies in the Therapeutic and Prophylactic of Human Life-Threatening Diseases. International Journal of Molecular Sciences, 2021, 22, 11290.	4.1	12
52	Potentials of orally supplemented selenium-enriched Lactobacillus rhamnosus to mitigate the lead induced liver and intestinal tract injury. Environmental Pollution, 2022, 302, 119062.	7.5	10
53	Role of stilbenes against insulin resistance: A review. Food Science and Nutrition, 2021, 9, 6389-6405.	3.4	9
54	Microbiota, IgA and Multiple Sclerosis. Microorganisms, 2022, 10, 617.	3.6	9

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55	Heterologous expression of <i>Oenococcus oeni</i> sHSP20 confers temperature stress tolerance in <i>Escherichia coli</i> . <i>Cell Stress and Chaperones</i> , 2018, 23, 653-662.	2.9	8
56	Biotransformation of Isoeugenol into Vanillin Using Immobilized Recombinant Cells Containing Isoeugenol Monooxygenase Active Aggregates. <i>Applied Biochemistry and Biotechnology</i> , 2019, 189, 448-458.	2.9	8
57	Synthesis, kinetics and biological assay of some novel aryl bis-thioureas: A potential drug candidates for Alzheimer's disease. <i>Journal of Molecular Structure</i> , 2021, 1246, 131136.	3.6	8
58	Soybean production and drought stress. , 2016, , 177-196.		7
59	Implementation of System Pharmacology and Molecular Docking Approaches to Explore Active Compounds and Mechanism of <i>Ocimum Sanctum</i> against Tuberculosis. <i>Processes</i> , 2022, 10, 298.	2.8	6
60	Effect of Squid Cartilage Chitosan Molecular Structure on the Properties of Its Monofilament as an Absorbable Surgical Suture. <i>Polymers</i> , 2022, 14, 1306.	4.5	6
61	Jawbones Scaffold Constructed by TGF- β 21 and BMP-2 Loaded Chitosan Microsphere Combining with Alg/HA/ICol for Osteogenic-Induced Differentiation. <i>Polymers</i> , 2021, 13, 3079.	4.5	4
62	Cyanobacteria derived compounds: Emerging drugs for cancer management. <i>Journal of Basic Microbiology</i> , 2022, 62, 1125-1142.	3.3	4
63	The Antiviral Effects of Jasminin via Endogenous TNF- α and the Underlying TNF- α -Inducing Action. <i>Molecules</i> , 2022, 27, 1598.	3.8	4
64	PEGylated Protamine Letrozole Nanoparticles: A Promising Strategy to Combat Human Breast Cancer via MCF-7 Cell Lines. <i>BioMed Research International</i> , 2022, 2022, 1-7.	1.9	3
65	In-vitro Assessment of Probiotic Potential of Lactic acid Bacteria. <i>Journal of Biology and Today's World</i> , 2015, 4, .	0.1	2
66	Regulation of the Morphological and Physical Properties of a Soft Tissue Scaffold by Manipulating DD and DS of <i>D</i> -Carboxymethyl Chitin. <i>ACS Applied Bio Materials</i> , 2020, 3, 6187-6195.	4.6	1
67	Expression profiling of miRNA-196a biomarker in naïve hepatitis C virus-infected and Sofosbuvir plus Daclatasvir-treated patients. <i>Archives of Microbiology</i> , 2021, 203, 2365-2371.	2.2	1
68	Lactic acid bacteria as probiotic candidate and their application. <i>Journal of Biology and Today's World</i> , 2015, 4, .	0.1	1
69	Bioconversion of Pinoresinol Diglucoside from Glucose Using Resting and Freeze-Dried <i>Phomopsis</i> sp. XP-8 Cells. <i>Journal of Microbiology and Biotechnology</i> , 2017, 27, 1428-1440.	2.1	1