

# Mariadhas Valan Arasu

## List of Publications by Year in descending order

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264  
papers

9,441  
citations

36303

51  
h-index

71685

76  
g-index

266  
all docs

266  
docs citations

266  
times ranked

10206  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid biosynthesis and characterization of silver nanoparticles from the leaf extract of <i>Tropaeolum majus</i> L. and its enhanced in-vitro antibacterial, antifungal, antioxidant and anticancer properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 191, 65-74.	3.8	213
2	Structural, morphological and optical properties of MgO nanoparticles for antibacterial applications. <i>Materials Letters</i> , 2016, 166, 19-22.	2.6	197
3	Photocatalytic degradation of Congo red using <i>Carissa edulis</i> extract capped zinc oxide nanoparticles. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 395-401.	3.8	189
4	Recent developments of metal oxide based heterostructures for photocatalytic applications towards environmental remediation. <i>Journal of Solid State Chemistry</i> , 2018, 267, 35-52.	2.9	187
5	Rapid green synthesis of silver nanoparticles from <i>Chrysanthemum indicum</i> L and its antibacterial and cytotoxic effects: an in vitro study. <i>International Journal of Nanomedicine</i> , 2014, 9, 379.	6.7	168
6	Photocatalytic decomposition effect of erbium doped cerium oxide nanostructures driven by visible light irradiation: Investigation of cytotoxicity, antibacterial growth inhibition using catalyst. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 185, 275-282.	3.8	155
7	Green synthesis and characterization of silver nanoparticles from <i>Moringa oleifera</i> flower and assessment of antimicrobial and sensing properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 205, 111836.	3.8	146
8	Enhanced antibacterial activity of iron oxide magnetic nanoparticles treated with <i>Argemone mexicana</i> L. leaf extract: An in vitro study. <i>Materials Research Bulletin</i> , 2013, 48, 3323-3327.	5.2	139
9	Environmentally-Friendly Green Approach for the Production of Zinc Oxide Nanoparticles and Their Anti-Fungal, Ovicidal, and Larvicidal Properties. <i>Nanomaterials</i> , 2018, 8, 500.	4.1	131
10	Biosynthesis of silver and gold nanoparticles using <i>Musa acuminata</i> colla flower and its pharmaceutical activity against bacteria and anticancer efficacy. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 201, 111670.	3.8	128
11	Evaluation on La <sub>2</sub> O <sub>3</sub> garlanded ceria heterostructured binary metal oxide nanoplates for UV/ visible light induced removal of organic dye from urban wastewater. <i>South African Journal of Chemical Engineering</i> , 2018, 26, 49-60.	2.4	124
12	One step green synthesis of larvicidal, and azo dye degrading antibacterial nanoparticles by response surface methodology. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 190, 154-162.	3.8	121
13	Neem leaves mediated preparation of NiO nanoparticles and its magnetization, coercivity and antibacterial analysis. <i>Results in Physics</i> , 2016, 6, 712-718.	4.1	120
14	Green chemical approach towards the synthesis of SnO <sub>2</sub> NPs in argument with photocatalytic degradation of diazo dye and its kinetic studies. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 441-447.	3.8	105
15	Influence of different LED lamps on the production of phenolic compounds in common and Tartary buckwheat sprouts. <i>Industrial Crops and Products</i> , 2014, 54, 320-326.	5.2	104
16	Improved photocatalytic decomposition of aqueous Rhodamine-B by solar light illuminated hierarchical yttria nanosphere decorated ceria nanorods. <i>Journal of Materials Research and Technology</i> , 2019, 8, 2898-2909.	5.8	104
17	Vegetable Peel Waste for the Production of ZnO Nanoparticles and its Toxicological Efficiency, Antifungal, Hemolytic, and Antibacterial Activities. <i>Nanoscale Research Letters</i> , 2016, 11, 546.	5.7	101
18	Synthesis of titanium oxide nanoparticles using <i>Aloe barbadensis</i> mill and evaluation of its antibiofilm potential against <i>Pseudomonas aeruginosa</i> PAO1. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 201, 111667.	3.8	101

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19	Biopolymeric nanocomposite scaffolds for bone tissue engineering applications – A review. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 55, 101452.	3.0	99
20	Spectroscopic investigation of biosynthesized nickel nanoparticles and its larvicidal, pesticidal activities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 162-167.	3.8	92
21	RSM optimized <i>Moringa oleifera</i> peel extract for green synthesis of <i>M. oleifera</i> capped palladium nanoparticles with antibacterial and hemolytic property. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 162, 550-557.	3.8	92
22	Antibacterial and antifungal activities of polyketide metabolite from marine <i>Streptomyces</i> sp. AP-123 and its cytotoxic effect. <i>Chemosphere</i> , 2013, 90, 479-487.	8.2	91
23	Veterinary antibiotics in animal manure and manure laden soil: Scenario and challenges in Asian countries. <i>Journal of King Saud University - Science</i> , 2020, 32, 1300-1305.	3.5	88
24	An up-to-date review of rutin and its biological and pharmacological activities. <i>EXCLI Journal</i> , 2015, 14, 59-63.	0.7	85
25	Effect of Different <i>Agrobacterium rhizogenes</i> Strains on Hairy Root Induction and Phenylpropanoid Biosynthesis in Tartary Buckwheat ( <i>Fagopyrum tataricum</i> Gaertn). <i>Frontiers in Microbiology</i> , 2016, 7, 318.	3.5	83
26	Characterization of Silver Nanomaterials Derived from Marine <i>Streptomyces</i> sp. Al-Dhabi-87 and Its In Vitro Application against Multidrug Resistant and Extended-Spectrum Beta-Lactamase Clinical Pathogens. <i>Nanomaterials</i> , 2018, 8, 279.	4.1	82
27	Variation of quercetin glycoside derivatives in three onion ( <i>Allium cepa</i> L.) varieties. <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 1387-1391.	3.8	80
28	Green biosynthesis of silver nanoparticles produced from marine <i>Streptomyces</i> sp. Al-Dhabi-89 and their potential applications against wound infection and drug resistant clinical pathogens. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 189, 176-184.	3.8	73
29	Anthocyanin and Carotenoid Contents in Different Cultivars of <i>Chrysanthemum</i> ( <i>Dendranthema</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.8	72
30	In vitro studies on probiotic and antioxidant properties of <i>Lactobacillus brevis</i> strain LAP2 isolated from Hentak, a fermented fish product of North-East India. <i>LWT - Food Science and Technology</i> , 2017, 86, 438-446.	5.2	71
31	Environmental friendly synthesis of TiO <sub>2</sub> -ZnO nanocomposite catalyst and silver nanomaterials for the enhanced production of biodiesel from <i>Ulva lactuca</i> seaweed and potential antimicrobial properties against the microbial pathogens. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 193, 118-130.	3.8	68
32	Medicinal Plants, Phytochemicals, and Herbs to Combat Viral Pathogens Including SARS-CoV-2. <i>Molecules</i> , 2021, 26, 1775.	3.8	68
33	Chemical analysis of <i>Punica granatum</i> fruit peel and its in vitro and in vivo biological properties. <i>BMC Complementary and Alternative Medicine</i> , 2016, 16, 264.	3.7	67
34	Green synthesis of silver nanoparticles using aqueous rhizome extract of <i>Zingiber officinale</i> and <i>Curcuma longa</i> : In-vitro anti-cancer potential on human colon carcinoma HT-29 cells. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2980-2986.	3.8	67
35	Variation of glucosinolates in 62 varieties of Chinese cabbage ( <i>Brassica rapa</i> L. ssp. <i>pekinensis</i> ) and their antioxidant activity. <i>LWT - Food Science and Technology</i> , 2014, 58, 93-101.	5.2	66
36	Antimicrobial activity of <i>Streptomyces</i> spp. ERI-26 recovered from Western Ghats of Tamil Nadu. <i>Journal De Mycologie Medicale</i> , 2008, 18, 147-153.	1.5	65

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37	In vitro antimicrobial activity of <i>Streptomyces</i> spp. ERI-3 isolated from Western Ghats rock soil (India). <i>Journal De Mycologie Medicale</i> , 2009, 19, 22-28.	1.5	64
38	Biosynthesized silver nanoparticles using floral extract of <i>Chrysanthemum indicum</i> L.â€™potential for malaria vector control. <i>Environmental Science and Pollution Research</i> , 2015, 22, 9759-9765.	5.3	64
39	Identification and Characterization of <i>Lactobacillus brevis</i> P68 with Antifungal, Antioxidant and Probiotic Functional Properties. <i>Indian Journal of Microbiology</i> , 2015, 55, 19-28.	2.7	64
40	Phenylalanine and LED lights enhance phenolic compound production in Tartary buckwheat sprouts. <i>Food Chemistry</i> , 2015, 177, 204-213.	8.2	63
41	Metabolic Profiling and Antioxidant Assay of Metabolites from Three Radish Cultivars ( <i>Raphanus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 1	3.8	63
42	Antifeedant, larvicidal and growth inhibitory bioactivities of novel polyketide metabolite isolated from <i>Streptomyces</i> sp. AP-123 against <i>Helicoverpa armigera</i> and <i>Spodoptera litura</i> . <i>BMC Microbiology</i> , 2013, 13, 105.	3.3	62
43	Quantification of glucosinolates, anthocyanins, free amino acids, and vitamin C in inbred lines of cabbage ( <i>Brassica oleracea</i> L.). <i>Food Chemistry</i> , 2014, 145, 77-85.	8.2	62
44	Assessment of probiotic, antifungal and cholesterol lowering properties of <i>Pediococcus pentosaceus</i> KCC-23 isolated from Italian ryegrass. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 593-601.	3.5	62
45	Isolation and characterization of antifungal compound from <i>Lactobacillus plantarum</i> KCC-10 from forage silage with potential beneficial properties. <i>Journal of Applied Microbiology</i> , 2013, 115, 1172-1185.	3.1	61
46	Isolation, identification and screening of antimicrobial thermophilic <i>Streptomyces</i> sp. Al-Dhabi-1 isolated from Tharban hot spring, Saudi Arabia. <i>Extremophiles</i> , 2016, 20, 79-90.	2.3	61
47	A novel antimicrobial peptide derived from fish goose type lysozyme disrupts the membrane of <i>Salmonella enterica</i> . <i>Molecular Immunology</i> , 2015, 68, 421-433.	2.2	58
48	Intracellular ROS scavenging and antioxidant regulation of WL15 from cysteine and glycine-rich protein 2 demonstrated in zebrafish in vivo model. <i>Developmental and Comparative Immunology</i> , 2021, 114, 103863.	2.3	56
49	Statistical optimization of thermo-alkali stable xylanase production from <i>Bacillus tequilensis</i> strain ARMATI. <i>Electronic Journal of Biotechnology</i> , 2016, 22, 16-25.	2.2	54
50	Molecular importance of prawn large heat shock proteins 60, 70 and 90. <i>Fish and Shellfish Immunology</i> , 2016, 48, 228-238.	3.6	54
51	Antiadhesive activity of poly-hydroxy butyrate biopolymer from a marine <i>Brevibacterium casei</i> MSI04 against shrimp pathogenic vibrios. <i>Microbial Cell Factories</i> , 2014, 13, 114.	4.0	53
52	Protective effects of trigonelline against indomethacin-induced gastric ulcer in rats and potential underlying mechanisms. <i>Food and Function</i> , 2016, 7, 398-408.	4.6	53
53	In vitro importance of probiotic <i>Lactobacillus plantarum</i> related to medical field. <i>Saudi Journal of Biological Sciences</i> , 2016, 23, S6-S10.	3.8	53
54	Composition of volatile compounds and in vitro antimicrobial activity of nine <i>Mentha</i> spp.. <i>SpringerPlus</i> , 2016, 5, 1628.	1.2	51

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55	Multifunctional murrel caspase 1, 2, 3, 8 and 9: Conservation, uniqueness and their pathogen-induced expression pattern. <i>Fish and Shellfish Immunology</i> , 2016, 49, 493-504.	3.6	51
56	Essential oil of four medicinal plants and protective properties in plum fruits against the spoilage bacteria and fungi. <i>Industrial Crops and Products</i> , 2019, 133, 54-62.	5.2	51
57	In-vitro assessment of the probiotic potential of <i>Lactobacillus plantarum</i> KCC-24 isolated from Italian rye-grass ( <i>Lolium multiflorum</i> ) forage. <i>Anaerobe</i> , 2015, 32, 90-97.	2.1	50
58	Bioactivity assessment of the Saudi Arabian Marine <i>Streptomyces</i> sp. Al-Dhabi-90, metabolic profiling and its in vitro inhibitory property against multidrug resistant and extended-spectrum beta-lactamase clinical bacterial pathogens. <i>Journal of Infection and Public Health</i> , 2019, 12, 549-556.	4.1	50
59	Trigonelline attenuates the adipocyte differentiation and lipid accumulation in 3T3-L1 cells. <i>Phytomedicine</i> , 2014, 21, 758-765.	5.3	49
60	Yeast Extract and Silver Nitrate Induce the Expression of Phenylpropanoid Biosynthetic Genes and Induce the Accumulation of Rosmarinic Acid in <i>Agastache rugosa</i> Cell Culture. <i>Molecules</i> , 2016, 21, 426.	3.8	49
61	De novo transcriptome analysis and glucosinolate profiling in watercress ( <i>Nasturtium officinale</i> R.) Tj ETQq1 1 0.784314 rgBT/Overlook	2.8	49
62	Probiotic and Antioxidant Potential of <i>Lactobacillus reuteri</i> LR12 and <i>Lactobacillus lactis</i> LL10 Isolated from Pineapple Puree and Quality Analysis of Pineapple-Flavored Goat Milk Yoghurt during Storage. <i>Microorganisms</i> , 2020, 8, 1461.	3.6	49
63	Quantification of Phytochemicals from Commercial <i>Spirulina</i> Products and Their Antioxidant Activities. <i>Evidence-based Complementary and Alternative Medicine</i> , 2016, 2016, 1-13.	1.2	48
64	Melanin-templated rapid synthesis of silver nanostructures. <i>Journal of Nanobiotechnology</i> , 2014, 12, 18.	9.1	46
65	Transcriptome changes of blue-green algae, <i>Arthrospira</i> sp. in response to sulfate stress. <i>Algal Research</i> , 2017, 23, 96-103.	4.6	46
66	Green chemical approach towards the synthesis of CeO <sub>2</sub> doped with seashell and its bacterial applications intermediated with fruit extracts. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017, 173, 50-60.	3.8	46
67	In vitro investigation on probiotic, anti-Candida, and antibiofilm properties of <i>Lactobacillus pentosus</i> strain LAP1. <i>Archives of Oral Biology</i> , 2018, 89, 99-106.	1.8	46
68	A flavonoid isolated from <i>Streptomyces</i> sp. (ERINLG-4) induces apoptosis in human lung cancer A549 cells through p53 and cytochrome c release caspase dependant pathway. <i>Chemico-Biological Interactions</i> , 2014, 224, 24-35.	4.0	45
69	Phenolic compounds in drumstick peel for the evaluation of antibacterial, hemolytic and photocatalytic activities. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 161, 463-471.	3.8	45
70	CuO/C nanocomposite: Synthesis and optimization using sucrose as carbon source and its antifungal activity. <i>Materials Science and Engineering C</i> , 2019, 101, 404-414.	7.3	45
71	Raltegravir, Indinavir, Tipranavir, Dolutegravir, and Etravirine against main protease and RNA-dependent RNA polymerase of SARS-CoV-2: A molecular docking and drug repurposing approach. <i>Journal of Infection and Public Health</i> , 2020, 13, 1856-1861.	4.1	44
72	Oxidative stress induced antioxidant and neurotoxicity demonstrated in vivo zebrafish embryo or larval model and their normalization due to morin showing therapeutic implications. <i>Life Sciences</i> , 2021, 283, 119864.	4.3	44

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73	Accumulation of Carotenoids and Metabolic Profiling in Different Cultivars of Tagetes Flowers. <i>Molecules</i> , 2017, 22, 313.	3.8	42
74	Chemical profiling of <i>Streptomyces</i> sp. Al-Dhabi-2 recovered from an extreme environment in Saudi Arabia as a novel drug source for medical and industrial applications. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 758-766.	3.8	42
75	Positive effects of compost and vermicompost produced from tannery waste-animal fleshing on the growth and yield of commercial crop-tomato ( <i>Lycopersicon esculentum</i> L.) plant. <i>Journal of Environmental Management</i> , 2019, 234, 154-158.	7.8	42
76	Isolation and screening of <i>Streptomyces</i> sp. Al-Dhabi-49 from the environment of Saudi Arabia with concomitant production of lipase and protease in submerged fermentation. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 474-479.	3.8	42
77	In-vitro antimicrobial, antibiofilm, cytotoxic, antifeedant and larvicidal properties of novel quinone isolated from <i>Aegle marmelos</i> (Linn.) Correa. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2014, 13, 48.	3.8	41
78	In vitro antifungal, probiotic and antioxidant properties of novel <i>Lactobacillus plantarum</i> K46 isolated from fermented sesame leaf. <i>Annals of Microbiology</i> , 2014, 64, 1333-1346.	2.6	41
79	Metabolite profiling of phenolics, anthocyanins and flavonols in cabbage ( <i>Brassica oleracea</i> var.) Tj ETQq1 1 0.784314 rgBT /Overlock 5,2 40	5.2	40
80	Influence of Indole-3-Acetic Acid and Gibberellic Acid on Phenylpropanoid Accumulation in Common Buckwheat ( <i>Fagopyrum esculentum</i> Moench) Sprouts. <i>Molecules</i> , 2017, 22, 374.	3.8	40
81	Combined effect of Nitrogen, Phosphorus and Potassium fertilizers on the contents of glucosinolates in rocket salad ( <i>Eruca sativa</i> Mill.). <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 436-443.	3.8	39
82	Antimicrobial properties of actinomycetes from the soil of Himalaya. <i>Journal De Mycologie Medicale</i> , 2010, 20, 15-20.	1.5	38
83	Environmental friendly synthesis of silver nanomaterials from the promising <i>Streptomyces parvus</i> strain Al-Dhabi-91 recovered from the Saudi Arabian marine regions for antimicrobial and antioxidant properties. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2019, 197, 111529.	3.8	38
84	Probiotic characteristics of <i>Lactobacillus</i> strains isolated from cheese and their antibacterial properties against gastrointestinal tract pathogens. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 3505-3513.	3.8	38
85	Conversion of waste frying oil into biodiesel using recoverable nanocatalyst based on magnetic graphene oxide supported ternary mixed metal oxide nanoparticles. <i>Bioresource Technology</i> , 2021, 323, 124561.	9.6	38
86	<i>In Vitro</i> Antibacterial, Antifungal, Antibiofilm, Antioxidant, and Anticancer Properties of Isosteviol Isolated from Endangered Medicinal Plant <i>Pittosporum tetrasperum</i> . <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-11.	1.2	37
87	Triterpene and Flavonoid Biosynthesis and Metabolic Profiling of Hairy Roots, Adventitious Roots, and Seedling Roots of <i>Astragalus membranaceus</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 8862-8869.	5.2	36
88	Enhanced Production of Biosurfactant from <i>Bacillus subtilis</i> Strain Al-Dhabi-130 under Solid-State Fermentation Using Date Molasses from Saudi Arabia for Bioremediation of Crude-Oil-Contaminated Soils. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8446.	2.6	36
89	Analysis and metabolite profiling of glucosinolates, anthocyanins and free amino acids in inbred lines of green and red cabbage ( <i>Brassica oleracea</i> L.). <i>LWT - Food Science and Technology</i> , 2014, 58, 203-213.	5.2	35
90	Potential Application of p-Coumaric Acid on Differentiation of C2C12 Skeletal Muscle and 3T3-L1 Preadipocytes: An In Vitro and in Silico Approach. <i>Molecules</i> , 2016, 21, 997.	3.8	35

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91	Ferulic acid in <i>Lolium multiflorum</i> inhibits adipogenesis in 3T3-L1 cells and reduced high-fat-diet-induced obesity in Swiss albino mice via regulating p38MAPK and p44/42 signal pathways. <i>Journal of Functional Foods</i> , 2017, 37, 293-302.	3.4	35
92	Insulin signaling pathway assessment by enhancing antioxidant activity due to morin using in vitro rat skeletal muscle L6 myotubes cells. <i>Molecular Biology Reports</i> , 2021, 48, 5857-5872.	2.3	35
93	Comparative analysis of CsCu/ZnSOD defense role by molecular characterization: Gene expression-enzyme activity-protein level. <i>Gene</i> , 2015, 564, 53-62.	2.2	34
94	LED Lights Enhance Metabolites and Antioxidants in Chinese Cabbage and Kale. <i>Brazilian Archives of Biology and Technology</i> , 2016, 59, .	0.5	34
95	Novel <i>Bacillus subtilis</i> IND19 cell factory for the simultaneous production of carboxy methyl cellulase and protease using cow dung substrate in solid-substrate fermentation. <i>Biotechnology for Biofuels</i> , 2016, 9, 73.	6.2	34
96	<i>Cocos nucifera</i> coir-mediated green synthesis of Pd NPs and its investigation against larvae and agricultural pest. <i>Artificial Cells, Nanomedicine and Biotechnology</i> , 2017, 45, 1581-1587.	2.8	34
97	Bacterial membrane binding and pore formation abilities of carbohydrate recognition domain of fish lectin. <i>Developmental and Comparative Immunology</i> , 2017, 67, 202-212.	2.3	34
98	Quantification of major phenolic and flavonoid markers in forage crop <i>Lolium multiflorum</i> using HPLC-DAD. <i>Revista Brasileira De Farmacognosia</i> , 2018, 28, 282-288.	1.4	34
99	Synthesis and characterization of zinc oxide nanostructures and its assessment on enhanced bacterial inhibition and photocatalytic degradation. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 210, 111965.	3.8	34
100	Isolation and characterization of the new <i>Klebsiella pneumoniae</i> J2B strain showing improved growth characteristics with reduced lipopolysaccharide formation. <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 1134-1143.	2.6	33
101	Enhancing Nutritional Quality of Silage by Fermentation with <i>Lactobacillus plantarum</i> . <i>Indian Journal of Microbiology</i> , 2014, 54, 396-402.	2.7	33
102	Probiotic Potential of <i>Lactobacillus</i> Strains with Antifungal Activity Isolated from Animal Manure. <i>Scientific World Journal, The</i> , 2015, 2015, 1-10.	2.1	33
103	Trigonelline protects the cardiocyte from hydrogen peroxide induced apoptosis in H9c2 cells. <i>Asian Pacific Journal of Tropical Medicine</i> , 2015, 8, 263-268.	0.8	33
104	Characterization and fermentation optimization of novel thermo stable alkaline protease from <i>Streptomyces</i> sp. Al-Dhabi-82 from the Saudi Arabian environment for eco-friendly and industrial applications. <i>Journal of King Saud University - Science</i> , 2020, 32, 1258-1264.	3.5	33
105	Effective degradation of tetracycline by manganese peroxidase producing <i>Bacillus velezensis</i> strain Al-Dhabi 140 from Saudi Arabia using fibrous-bed reactor. <i>Chemosphere</i> , 2021, 268, 128726.	8.2	33
106	A Metal-Free Regioselective Multicomponent Approach for the Synthesis of Free Radical Scavenging Pyrimido-Fused Indazoles and Their Fluorescence Studies. <i>Molecules</i> , 2016, 21, 1571.	3.8	32
107	Synthesis and characterization of ZnO nanoflakes anchored carbon nanoplates for antioxidant and anticancer activity in MCF7 cell lines. <i>Materials Science and Engineering C</i> , 2019, 102, 536-540.	7.3	32
108	Coir mediated instant synthesis of Ni-Pd nanoparticles and its significance over larvicidal, pesticidal and ovicidal activities. <i>Journal of Molecular Liquids</i> , 2016, 223, 1249-1255.	4.9	31

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109	Metabolic profiling of pale green and purple kohlrabi ( <i>Brassica oleracea</i> var. <i>gongylodes</i> ). <i>Applied Biological Chemistry</i> , 2017, 60, 249-257.	1.9	31
110	A comparative transcriptome approach for identification of molecular changes in <i>Aphanomyces invadans</i> infected <i>Channa striatus</i> . <i>Molecular Biology Reports</i> , 2018, 45, 2511-2523.	2.3	31
111	Molecular process of glucose uptake and glycogen storage due to hamamelitannin via insulin signalling cascade in glucose metabolism. <i>Molecular Biology Reports</i> , 2020, 47, 6727-6740.	2.3	31
112	Optimizing the Management of Cadmium Bioremediation Capacity of Metal-Resistant <i>Pseudomonas</i> sp. Strain Al-Dhabi-126 Isolated from the Industrial City of Saudi Arabian Environment. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4788.	2.6	30
113	Enhanced production of fibrinolytic enzyme by a new <i>Xanthomonas oryzae</i> IND3 using low-cost culture medium by response surface methodology. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 217-224.	3.8	30
114	Ketide Synthase (KS) Domain Prediction and Analysis of Iterative Type II PKS Gene in Marine Sponge-Associated Actinobacteria Producing Biosurfactants and Antimicrobial Agents. <i>Frontiers in Microbiology</i> , 2016, 7, 63.	3.5	29
115	Cow Dung Is a Novel Feedstock for Fibrinolytic Enzyme Production from Newly Isolated <i>Bacillus</i> sp. IND7 and Its Application in In Vitro Clot Lysis. <i>Frontiers in Microbiology</i> , 2016, 7, 361.	3.5	29
116	Pellino-1 derived cationic antimicrobial prawn peptide: Bactericidal activity, toxicity and mode of action. <i>Molecular Immunology</i> , 2016, 78, 171-182.	2.2	29
117	Photo-activated synthesis and characterization of gold nanoparticles from <i>Punica granatum</i> L. seed oil: An assessment on antioxidant and anticancer properties for functional yoghurt nutraceuticals. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 206, 111868.	3.8	29
118	Potential effect of <i>Allium sativum</i> bulb for the treatment of biofilm forming clinical pathogens recovered from periodontal and dental caries. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1428-1434.	3.8	29
119	GR15 peptide of S-adenosylmethionine synthase (SAME) from <i>Arthrospira platensis</i> demonstrated antioxidant mechanism against H <sub>2</sub> O <sub>2</sub> induced oxidative stress in in-vitro MDCK cells and in-vivo zebrafish larvae model. <i>Journal of Biotechnology</i> , 2021, 342, 79-91.	3.8	29
120	Anti-inflammatory role demonstrated both in vitro and in vivo models using nonsteroidal tetranortriterpenoid, Nimbin (N1) and its analogs (N2 and N3) that alleviate the domestication of alternative medicine. <i>Cell Biology International</i> , 2022, 46, 771-791.	3.0	29
121	Medically important carotenoids from <i>Momordica charantia</i> and their gene expressions in different organs. <i>Saudi Journal of Biological Sciences</i> , 2017, 24, 1913-1919.	3.8	28
122	Gastroprotective Activity of Violacein Isolated from <i>Chromobacterium violaceum</i> on Indomethacin-Induced Gastric Lesions in Rats: Investigation of Potential Mechanisms of Action. <i>Scientific World Journal</i> , The, 2014, 2014, 1-10.	2.1	27
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