Vivek Ahluwalia

List of Publications by Year
in descending order

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		567281	677142
23	1,159	15	22
papers	citations	h-index	g-index

23	23	23	1417
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Green synthesis of silver nanoparticles by Trichoderma harzianum and their bio-efficacy evaluation against Staphylococcus aureus and Klebsiella pneumonia. Industrial Crops and Products, 2014, 55, 202-206.	5.2	166
2	Recent developments on solid-state fermentation for production of microbial secondary metabolites: Challenges and solutions. Bioresource Technology, 2021, 323, 124566.	9.6	145
3	A critical review on current strategies and trends employed for removal of inhibitors and toxic materials generated during biomass pretreatment. Bioresource Technology, 2020, 299, 122633.	9.6	134
4	Nano silver particle synthesis using Swertia paniculata herbal extract and its antimicrobial activity. Microbial Pathogenesis, 2018, 114, 402-408.	2.9	100
5	Agricultural waste biorefinery development towards circular bioeconomy. Renewable and Sustainable Energy Reviews, 2022, 158, 112122.	16.4	94
6	Bioconversion of pentose sugars to value added chemicals and fuels: Recent trends, challenges and possibilities. Bioresource Technology, 2018, 269, 443-451.	9.6	70
7	Chemical analysis of essential oils of Eupatorium adenophorum and their antimicrobial, antioxidant and phytotoxic properties. Journal of Pest Science, 2014, 87, 341-349.	3.7	64
8	Efficient detoxification of corn cob hydrolysate with ion-exchange resins for enhanced xylitol production by Candida tropicalis MTCC 6192. Bioresource Technology, 2018, 251, 416-419.	9.6	62
9	Comparative evaluation of twoTrichoderma harzianumstrains for major secondary metabolite production and antifungal activity. Natural Product Research, 2015, 29, 914-920.	1.8	61
10	Improved upstream processing for detoxification and recovery of xylitol produced from corncob. Bioresource Technology, 2019, 291, 121931.	9.6	56
11	Improved levulinic acid production from agri-residue biomass in biphasic solvent system through synergistic catalytic effect of acid and products. Bioresource Technology, 2018, 251, 143-150.	9.6	41
12	Chemical composition and antifungal activity of Artemisia nilagirica essential oil growing in northern hilly areas of India. Natural Product Research, 2013, 27, 45-48.	1.8	36
13	Delivery of phytochemicals by liposome cargos: recent progress, challenges and opportunities. Journal of Microencapsulation, 2019, 36, 215-235.	2.8	31
14	Antifungal and phytotoxic activity of essential oil from root of Senecio amplexicaulis Kunth. (Asteraceae) growing wild in high altitude-Himalayan region. Natural Product Research, 2016, 30, 1875-1879.	1.8	23
15	Essential oil composition, antifungal, and seedling growth inhibitory effects of zerumbone from Zingiber zerumbet Smith. Journal of Essential Oil Research, 2017, 29, 320-329.	2.7	19
16	Isolation, characterisation of major secondary metabolites of the HimalayanTrichoderma koningiiand their antifungal activity. Archives of Phytopathology and Plant Protection, 2014, 47, 1063-1071.	1.3	16
17	Extraction of arabinoxylan from corncob through modified alkaline method to improve xylooligosaccharides synthesis. Bioresource Technology Reports, 2018, 3, 51-58.	2.7	14
18	Synthesis and antimicrobial activity of esters of 3-ethoxy-4-hydroxybenzaldehyde oxime. Toxicological and Environmental Chemistry, 2017, 99, 1-9.	1.2	12

#	Article	IF	Citations
19	Synthesis, antifungal activity and structure-activity relationships of vanillin oxime-N-O-alkanoates. Natural Product Communications, 2012, 7, 1635-8.	0.5	5
20	Synthesis, Antifungal Activity and Structure-Activity Relationships of Vanillin Oxime-N-O-Alkanoates. Natural Product Communications, 2012, 7, 1934578X1200701.	0.5	4
21	Activity of Alkanediol Alkanoates against Pathogenic Plant Fungi Rhizoctonia solani and Sclerotium rolfsii. Natural Product Communications, 2012, 7, 1934578X1200700.	0.5	3
22	Isolation, optimized extraction, and ultraâ€high performance liquid chromatography with photodiode array method for quantitative analysis of chiratol in Swertia paniculata. Journal of Separation Science, 2021, 44, 3904-3913.	2.5	2
23	Bioprocessing of agri-food processing residues into nutraceuticals and bioproducts. , 2022, , 301-322.		1