

# Vivek Rangarajan

## List of Publications by Year in descending order

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26  
papers

994  
citations

566801

15  
h-index

525886

27  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formulation of a stable bioscosmetic nanoemulsion using a <i>Bacillus</i> lipopeptide as the green-emulsifier for skin-care applications. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 2045-2057.	1.3	9
2	Toward the formulation of bio-cosmetic nanoemulsions: from plant-derived to microbial-derived ingredients. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 1061-1078.	1.3	8
3	Current perspective on improved fermentative production and purification of fungal cellulases for successful biorefinery applications: a brief review. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 967-995.	2.9	10
4	A review on green nanoemulsions for cosmetic applications with special emphasis on microbial surfactants as impending emulsifying agents. <i>Journal of Surfactants and Detergents</i> , 2022, 25, 303-319.	1.0	17
5	A kinetics study on surfactin production from <i>Bacillus subtilis</i> MTCC 2415 for application in green cosmetics. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 33, 102001.	1.5	13
6	Exploiting Microbes in the Petroleum Field: Analyzing the Credibility of Microbial Enhanced Oil Recovery (MEOR). <i>Energies</i> , 2021, 14, 4684.	1.6	19
7	Sustainable and Green Engineering Insights on Deep Eutectic Solvents toward the Extraction of Nutraceuticals. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11290-11313.	3.2	23
8	Microbial Production of Value-added Products from Cashew Apples- an Economical Boost to Cashew Farmers. <i>Journal of Pure and Applied Microbiology</i> , 2021, 15, 1816-1832.	0.3	8
9	A simple thin layer chromatography based method for the quantitative analysis of biosurfactant surfactin vis-a-vis the presence of lipid and protein impurities in the processing liquid. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 25, 101587.	1.5	10
10	An investigation on citrus peel as the lignocellulosic feedstock for optimal reducing sugar synthesis with an additional scope for the production of hydrolytic enzymes from the aqueous extract waste. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 20, 101259.	1.5	10
11	Modeling and Analysis of Micellar and Microbubble Dynamics To Derive New Insights in Molecular Interactions Impacting the Packing Behavior of a Green Surfactant for Potential Engineering Implications. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 4046-4055.	3.2	6
12	<i>Bacillus</i> lipopeptides: powerful capping and dispersing agents of silver nanoparticles. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 1809-1821.	1.6	15
13	Biosurfactant-biopolymer driven microbial enhanced oil recovery (MEOR) and its optimization by an ANN-GA hybrid technique. <i>Journal of Biotechnology</i> , 2017, 256, 46-56.	1.9	64
14	Improved fed-batch production of high-purity PHB (poly-3 hydroxy butyrate) by <i>Cupriavidus necator</i> (MTCC 1472) from sucrose-based cheap substrates under response surface-optimized conditions. <i>3 Biotech</i> , 2017, 7, 310.	1.1	6
15	Development and Scale-up of an Efficient and Green Process for HPLC Purification of Antimicrobial Homologues of Commercially Important Microbial Lipopeptides. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 6638-6646.	3.2	14
16	Towards bacterial lipopeptide products for specific applications – a review of appropriate downstream processing schemes. <i>Process Biochemistry</i> , 2016, 51, 2176-2185.	1.8	30
17	Process development and intensification for enhanced production of <i>Bacillus</i> lipopeptides. <i>Biotechnology and Genetic Engineering Reviews</i> , 2015, 31, 46-68.	2.4	34
18	Dual gradient macroporous resin column chromatography for concurrent separation and purification of three families of marine bacterial lipopeptides from cell free broth. <i>Separation and Purification Technology</i> , 2015, 143, 72-79.	3.9	20

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19	Bioprocess design for selective enhancement of fengycin production by a marine isolate <i>Bacillus megaterium</i> . <i>Biochemical Engineering Journal</i> , 2015, 99, 147-155.	1.8	29
20	Investigation on Sodium Benzoate Release from Poly(Butylene Terephthalate) Membranes and its Antimicrobial Activity. <i>Journal of Food Science</i> , 2015, 80, E602-9.	1.5	35
21	Recent developments in microbial enhanced oil recovery. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 1539-1558.	8.2	174
22	Improved performance of cross-flow ultrafiltration for the recovery and purification of Ca <sup>2+</sup> conditioned lipopeptides in diafiltration mode of operation. <i>Journal of Membrane Science</i> , 2014, 454, 436-443.	4.1	24
23	Antimicrobial activity and biodegradation behavior of poly(butylene terephthalate) membranes. <i>Journal of Membrane Science</i> , 2014, 454, 582-597.	1.3	57
24	Potential therapeutic applications of biosurfactants. <i>Trends in Pharmacological Sciences</i> , 2013, 34, 667-675.	4.0	293
25	An inexpensive strategy for facilitated recovery of metals and fermentation products by foam fractionation process. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 104, 99-106.	2.5	31
26	Time-dependent dosing of Fe <sup>2+</sup> for improved lipopeptide production by marine <i>Bacillus megaterium</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1661-1669.	1.6	31