Ram S Singh

List of Publications by Year
in descending order

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78 papers	3,499 citations	172207 29 h-index	143772 57 g-index
78 all docs	78 docs citations	78 times ranked	3486 citing authors

#	Article	IF	Citations
1	Co-digestion of chicken manure with goose manure and thermo-oxidative-treated wheat straw in CSTR: co-digestion synergistics and OLR optimization through kinetic modeling. Biomass Conversion and Biorefinery, 2024, 14, 4165-4176.	2.9	1
2	Methane enhancement by the co-digestion of thermochemical alkali solubilized rice husk and cow manure: Lignocellulosics decomposition perspectives. Biomass Conversion and Biorefinery, 2023, 13, 13963-13975.	2.9	2
3	Methane Refinement by Iron Oxide, Packed Column Water Scrubbing, and Activated Charcoal Scrubbing Techniques. Waste and Biomass Valorization, 2022, 13, 2295-2307.	1.8	1
4	Downstream processing and structural confirmation of pullulan - A comprehensive review. International Journal of Biological Macromolecules, 2022, 208, 553-564.	3.6	7
5	Pullulan in biomedical research and development - A review. International Journal of Biological Macromolecules, 2021, 166, 694-706.	3.6	70
6	Chicken feather waste-derived protein hydrolysate as a potential biostimulant for cultivation of mung beans. Biologia (Poland), 2021, 76, 1807-1815.	0.8	22
7	Chicken Feather Waste Hydrolysate as a Superior Biofertilizer in Agroindustry. Current Microbiology, 2021, 78, 2212-2230.	1.0	36
8	Optimization and validation of keratinase production by Bacillus aerius NSMk2 in a stirred tank reactor using response surface methodology. SN Applied Sciences, 2021, 3, 1.	1.5	7
9	Assessing the viability of carbamoylethyl pullulan-g-stearic acid based smart polymeric micelles for tumor targeting of raloxifene. Drug Development and Industrial Pharmacy, 2021, 47, 1986-1997.	0.9	0
10	Functionalization of multiwalled carbon nanotubes for enzyme immobilization. Methods in Enzymology, 2020, 630, 25-38.	0.4	21
11	Mushroom lectins in biomedical research and development. International Journal of Biological Macromolecules, 2020, 151, 1340-1350.	3.6	33
12	Synthesis of 1-(4-hydroxy-3-methoxyphenyl)-2,3,4,9-tetrahydro-1H-Î²-carboline-3-carboxylic acid derivatives as mast cell stabilizers. Medicinal Chemistry Research, 2020, 29, 1400-1412.	1.1	1
13	Nutritional Enhancement of Chicken Feather Waste by Bacillus aerius NSMk2. Indian Journal of Microbiology, 2020, 60, 518-525.	1.5	14
14	Purification and characterisation of a xylose-specific mitogenic lectin from Fusarium sambucinum. International Journal of Biological Macromolecules, 2020, 152, 393-402.	3.6	4
15	Carbamoylethyl locust bean gum: Synthesis, characterization and evaluation of its film forming potential. International Journal of Biological Macromolecules, 2020, 149, 348-358.	3.6	23
16	Investigating aqueous phase separation of pullulan from Aureobasidium pullulans and its characterization. Carbohydrate Polymers, 2019, 223, 115103.	5.1	25
17	Purification of a potent mitogenic homodimeric Penicillium griseoroseum lectin and its characterisation. Journal of Basic Microbiology, 2019, 59, 1238-1247.	1.8	0
18	Purification and characterization of a heterodimeric mycelial lectin from Penicillium proteolyticum with potent mitogenic activity. International Journal of Biological Macromolecules, 2019, 128, 124-131.	3.6	11

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19	Structural aspects and biomedical applications of microfungal lectins. International Journal of Biological Macromolecules, 2019, 134, 1097-1107.	3.6	16
20	Investigating the potential of carboxymethyl pullulan for protecting the rabbit eye from systematically induced precorneal tear film damage. Experimental Eye Research, 2019, 184, 91-100.	1.2	17
21	Thermostable and halotolerant keratinase from Bacillus aerius NSMk2 with remarkable dehairing and laundary applications. Journal of Basic Microbiology, 2019, 59, 555-568.	1.8	36
22	Immobilization of Inulinase on Aminated Multiwalled Carbon Nanotubes by Glutaraldehyde Cross-Linking for the Production of Fructose. Catalysis Letters, 2019, 149, 2718-2727.	1.4	14
23	Pullulan production from agro-industrial waste and its applications in food industry: A review. Carbohydrate Polymers, 2019, 217, 46-57.	5.1	136
24	Fructose production from inulin using fungal inulinase immobilized on 3-aminopropyl-triethoxysilane functionalized multiwalled carbon nanotubes. International Journal of Biological Macromolecules, 2019, 125, 41-52.	3.6	33
25	Biocatalytic strategies in the production of galacto-oligosaccharides and its global status. International Journal of Biological Macromolecules, 2018, 111, 667-679.	3.6	51
26	Sequential statistical optimization of lactose-based medium and process variables for inulinase production from Penicillium oxalicum BGPUP-4. 3 Biotech, 2018, 8, 38.	1.1	9
27	Response surface optimization of solid state fermentation for inulinase production from Penicillium oxalicum using corn bran. Journal of Food Science and Technology, 2018, 55, 2533-2540.	1.4	20
28	Lectins from red algae and their biomedical potential. Journal of Applied Phycology, 2018, 30, 1833-1858.	1.5	68
29	Purification and characterization of two isoforms of exoinulinase from Penicillium oxalicum BGPUP-4 for the preparation of high fructose syrup from inulin. International Journal of Biological Macromolecules, 2018, 118, 1974-1983.	3.6	23
30	Carbamoylethyl pullulan: QbD based synthesis, characterization and corneal wound healing potential. International Journal of Biological Macromolecules, 2018, 118, 2245-2255.	3.6	24
31	Purification and characterization of a mitogenic lectin from Penicillium duclauxii. International Journal of Biological Macromolecules, 2018, 116, 426-433.	3.6	18
32	Solid-State Fermentation of Carrot Pomace for the Production of Inulinase by Penicillium oxalicum BGPUP-4. Food Technology and Biotechnology, 2018, 56, .	0.9	21
33	Solid-State Fermentation of Carrot Pomace for the Production of Inulinase by BGPUP-4. Food Technology and Biotechnology, 2018, 56, 31-39.	0.9	2
34	Production, Purification, Characterization and Applications of Fungal Inulinases. Current Biotechnology, 2018, 7, 242-260.	0.2	40
35	Cyanobacterial lectins characteristics and their role as antiviral agents. International Journal of Biological Macromolecules, 2017, 102, 475-496.	3.6	42
36	Pullulan: A novel molecule for biomedical applications. Carbohydrate Polymers, 2017, 171, 102-121.	5.1	223

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37	Modulation of immunocyte functions by a mucin-specific lectin from Aspergillus gorakhpurensis. International Journal of Biological Macromolecules, 2017, 101, 172-178.	3.6	9
38	A panorama of bacterial inulinases: Production, purification, characterization and industrial applications. International Journal of Biological Macromolecules, 2017, 96, 312-322.	3.6	91
39	Immunomodulatory and therapeutic potential of a mucin-specific mycelial lectin from Aspergillus panamensis. International Journal of Biological Macromolecules, 2017, 96, 241-248.	3.6	17
40	Lectin activity in mycelial extracts of Fusarium species. Brazilian Journal of Microbiology, 2016, 47, 775-780.	0.8	10
41	Amoebiasis vaccine development: A snapshot on E. histolytica with emphasis on perspectives of Gal/GalNAc lectin. International Journal of Biological Macromolecules, 2016, 91, 258-268.	3.6	29
42	New mycelial lectins from penicilli with complex carbohydrate specificity. Biologia (Poland), 2016, 71, 388-395.	0.8	11
43	Endoinulinase production by a new endoinulinase producer Aspergillus tritici BGPUP6 using a low cost substrate. International Journal of Biological Macromolecules, 2016, 92, 1113-1122.	3.6	25
44	Recent insights on applications of pullulan in tissue engineering. Carbohydrate Polymers, 2016, 153, 455-462.	5.1	114
45	Protozoa lectins and their role in hostâ€“pathogen interactions. Biotechnology Advances, 2016, 34, 1018-1029.	6.0	30
46	Recent insights in enzymatic synthesis of fructooligosaccharides from inulin. International Journal of Biological Macromolecules, 2016, 85, 565-572.	3.6	110
47	Mushroom Lectins as Promising Anticancer Substances. Current Protein and Peptide Science, 2016, 17, 797-807.	0.7	46
48	Multifunctional Iron Bound Lactoferrin and Nanomedicinal Approaches to Enhance Its Bioactive Functions. Molecules, 2015, 20, 9703-9731.	1.7	98
49	Pullulan and pullulan derivatives as promising biomolecules for drug and gene targeting. Carbohydrate Polymers, 2015, 123, 190-207.	5.1	213
50	Purification, Characterization, and Mitogenic Potential of a Mucin-Specific Mycelial Lectin from Aspergillus sparsus. Applied Biochemistry and Biotechnology, 2015, 175, 1938-1947.	1.4	18
51	Purification and characterization of a mycelial mucin specific lectin from Aspergillus panamensis with potent mitogenic and antibacterial activity. Process Biochemistry, 2015, 50, 2251-2258.	1.8	16
52	Algal lectins as promising biomolecules for biomedical research. Critical Reviews in Microbiology, 2015, 41, 77-88.	2.7	54
53	Purification and Characterization of a Mucin Specific Mycelial Lectin from Aspergillus gorakhpurensis: Application for Mitogenic and Antimicrobial Activity. PLoS ONE, 2014, 9, e109265.	1.1	37
54	Antimicrobial activity and carbohydrate specificity of new mycelial lectins from Fusarium sp.. Biologia (Poland), 2014, 69, 1295-1302.	0.8	19

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55	Microbial lectins and their prospective mitogenic potential. Critical Reviews in Microbiology, 2014, 40, 329-347.	2.7	29
56	Characteristics of lichen lectins and their role in symbiosis. Symbiosis, 2014, 62, 123-134.	1.2	28
57	New lectins from aspergilli and their carbohydrate specificity. Biologia (Poland), 2014, 69, 15-23.	0.8	19
58	Enhanced production of recombinant aspartase of Aeromonas media NFB-5 in a stirred tank reactor. Bioresource Technology, 2013, 145, 217-223.	4.8	17
59	Molecular and biochemical characterization of a new endoinulinase producing bacterial strain of Bacillus safensis AS-08. Biologia (Poland), 2013, 68, 1028-1033.	0.8	33
60	Purification and characterization of a thermostable mycelial lectin from basidiomycete Lentinus squarrosulus. Biologia (Poland), 2013, 68, 1034-1040.	0.8	6
61	Single-Step Purification and Characterization of Recombinant Aspartase of Aeromonas media NFB-5. Applied Biochemistry and Biotechnology, 2012, 167, 991-1001.	1.4	9
62	Current trends of lectins from microfungi. Critical Reviews in Biotechnology, 2011, 31, 193-210.	5.1	36
63	Purification and characterization of a mucin-binding mycelial lectin from Aspergillus nidulans with potent mitogenic activity. World Journal of Microbiology and Biotechnology, 2011, 27, 547-554.	1.7	21
64	Immunomodulatory and Therapeutic Potential of a Mycelial Lectin from Aspergillus nidulans. Applied Biochemistry and Biotechnology, 2011, 165, 624-638.	1.4	19
65	Hydrolysis of milk lactose in a packed bed reactor system using immobilized yeast cells. Journal of Chemical Technology and Biotechnology, 2011, 86, 42-46.	1.6	26
66	Purification and Characterization of a Novel Thermostable Mycelial Lectin from Aspergillus terricola. Applied Biochemistry and Biotechnology, 2010, 162, 1339-1349.	1.4	10
67	Further screening of Aspergillus species for occurrence of lectins and their partial characterization. Journal of Basic Microbiology, 2010, 50, 90-97.	1.8	19
68	Hydrolysis of citrus peel naringin by recombinant Î±â€Lâ€rhamnosidase from Clostridium stercorarium. Journal of Chemical Technology and Biotechnology, 2010, 85, 1419-1422.	1.6	38
69	Mushroom lectins: Current status and future perspectives. Critical Reviews in Biotechnology, 2010, 30, 99-126.	5.1	113
70	Screening of Penicillium species for occurrence of lectins and their characterization. Journal of Basic Microbiology, 2009, 49, 471-476.	1.8	24
71	Response Surface Optimization of the Critical Medium Components for Pullulan Production by Aureobasidium pullulans FB-1. Applied Biochemistry and Biotechnology, 2009, 152, 42-53.	1.4	58
72	Optimization of culture conditions and characterization of a new lectin from Aspergillus niger. Indian Journal of Microbiology, 2009, 49, 219-222.	1.5	14

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73	Development of a stable continuous flow immobilized enzyme reactor for the hydrolysis of inulin. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 777-782.	1.4	28
74	Screening of Aspergillus species for occurrence of lectins and their characterization. Journal of Basic Microbiology, 2008, 48, 112-117.	1.8	33
75	Pullulan: Microbial sources, production and applications. Carbohydrate Polymers, 2008, 73, 515-531.	5.1	565
76	Production of high fructose syrup from Asparagus inulin using immobilized exoinulinase from Kluyveromyces marxianus YS-1. Journal of Industrial Microbiology and Biotechnology, 2007, 34, 649-655.	1.4	77
77	Partial purification and characterization of exoinulinase from Kluyveromyces marxianus YS-1 for preparation of high-fructose syrup. Journal of Microbiology and Biotechnology, 2007, 17, 733-8.	0.9	45
78	Microbial production, immobilization and applications of Î²-D-galactosidase. Journal of Chemical Technology and Biotechnology, 2006, 81, 530-543.	1.6	214