

Shamsher Singh Kanwar

List of Publications by Year in descending order

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102
papers

3,759
citations

201674
27
h-index

138484
58
g-index

102
all docs

102
docs citations

102
times ranked

4915
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipase catalysis in organic solvents: advantages and applications. Biological Procedures Online, 2016, 18, 2.	2.9	368
2	Lipopeptides as the Antifungal and Antibacterial Agents: Applications in Food Safety and Therapeutics. BioMed Research International, 2015, 2015, 1-9.	1.9	316
3	Pharmacological and clinical evaluation of l-asparaginase in the treatment of leukemia. Critical Reviews in Oncology/Hematology, 2007, 61, 208-221.	4.4	286
4	Lead Phytochemicals for Anticancer Drug Development. Frontiers in Plant Science, 2016, 7, 1667.	3.6	263
5	Production, purification, and characterization of lipase from thermophilic and alkaliphilic Bacillus coagulans BTS-3. Protein Expression and Purification, 2005, 41, 38-44.	1.3	200
6	Organic Solvent Tolerant Lipases and Applications. Scientific World Journal, The, 2014, 2014, 1-15.	2.1	177
7	Comparative Analysis of Zinc Finger Proteins Involved in Plant Disease Resistance. PLoS ONE, 2012, 7, e42578.	2.5	167
8	Phosphatidylserine: A cancer cell targeting biomarker. Seminars in Cancer Biology, 2018, 52, 17-25.	9.6	128
9	Peroxidase(s) in Environment Protection. Scientific World Journal, The, 2013, 2013, 1-9.	2.1	126
10	Glutaraldehyde activation of polymer Nylon-6 for lipase immobilization: Enzyme characteristics and stability. Bioresource Technology, 2008, 99, 2566-2570.	9.6	100
11	The single functional blast resistance gene Pi54 activates a complex defence mechanism in rice. Journal of Experimental Botany, 2012, 63, 757-772.	4.8	85
12	Synthesis of ethyl ferulate in organic medium using celite-immobilized lipase. Bioresource Technology, 2011, 102, 2162-2167.	9.6	59
13	Microbial lipases: At the interface of aqueous and non-aqueous media. Acta Microbiologica Et Immunologica Hungarica, 2008, 55, 265-294.	0.8	58
14	Specific Secretory IgA in the Milk of Giardia lamblia-Infected and Uninfected Women. Journal of Infectious Diseases, 1987, 155, 724-727.	4.0	57
15	Potent anticancer, antioxidant and antibacterial activities of isolated flavonoids from Asplenium nidus. Journal of King Saud University - Science, 2018, 30, 185-192.	3.5	47
16	<i>L</i>-Methionase: A Therapeutic Enzyme to Treat Malignancies. BioMed Research International, 2014, 2014, 1-13.	1.9	45
17	Molecular characterization and bioinformatics studies of a lipase from Bacillus thermoamylovorans BHK67. International Journal of Biological Macromolecules, 2018, 107, 2131-2140.	7.5	44
18	Antitumoral and Antimicrobial Activity of Surfactin Extracted from Bacillus subtilis KLP2015. International Journal of Peptide Research and Therapeutics, 2020, 26, 423-433.	1.9	43

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19	Fabrication and functionalization of magnesium nanoparticle for lipase immobilization in n -propyl gallate synthesis. Journal of King Saud University - Science, 2017, 29, 536-546.	3.5	40
20	Purification and properties of a novel extra-cellular thermotolerant metallolipase of Bacillus coagulans MTCC-6375 isolate. Protein Expression and Purification, 2006, 46, 421-428.	1.3	36
21	Properties and application of poly(methacrylic acid-co- <i>i>co</i>-dodecyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 672 Td (meth MTCC 8372 lipase for the synthesis of geranyl acetate. Journal of Applied Polymer Science, 2008, 110, 837-846.</i>	2.6	34
22	Elucidation of biocontrol mechanisms of Trichoderma harzianum against different plant fungal pathogens: Universal yet host specific response. International Journal of Biological Macromolecules, 2017, 95, 72-79.	7.5	34
23	Chemoprevention by Probiotics During 1,2-Dimethylhydrazine-Induced Colon Carcinogenesis in Rats. Digestive Diseases and Sciences, 2018, 63, 900-909.	2.3	32
24	Direct and antibody dependent cell mediated cytotoxicity against Giardia lamblia by splenic and intestinal lymphoid cells in mice.. Gut, 1986, 27, 73-77.	12.1	30
25	Synthesis of geranyl butyrate with the poly(acrylic acid-co- <i><i>hydroxy propyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 aeruginosa</i> MTCC&#x2013;4713. Journal of Applied Polymer Science, 2008, 110, 2681-2692.</i>	2.6	30
26	Improved production of l-asparaginase by Bacillus brevis cultivated in the presence of oxygen-vectors. Bioresource Technology, 2011, 102, 2083-2085.	9.6	30
27	Purification and identification of a surfactin biosurfactant and engine oil degradation by Bacillus velezensis KLP2016. Microbial Cell Factories, 2021, 20, 26.	4.0	29
28	Characterization of flavonoids from fern Cheilanthes tenuifolia and evaluation of antioxidant, antimicrobial and anticancer activities. Journal of King Saud University - Science, 2018, 30, 425-432.	3.5	27
29	Methods for inhibition of residual lipase activity in colorimetric assay: a comparative study. Indian Journal of Biochemistry and Biophysics, 2005, 42, 233-7.	0.0	27
30	Effect of Solvents and Kinetic Parameters on Synthesis of Ethyl Propionate Catalysed by Poly (AAc-co-HPMA-cl-MBAm)-Matrix-Immobilized Lipase of Pseudomonas aeruginosa BTS-2.. World Journal of Microbiology and Biotechnology, 2005, 21, 1037-1044.	3.6	26
31	Enzymatic synthesis of isopropyl myristate using immobilized lipase from<i>Bacillus cereus</i>MTCC 8372. Acta Microbiologica Et Immunologica Hungarica, 2008, 55, 327-342.	0.8	25
32	Enzymatic Synthesis of Isopropyl Acetate by Immobilized––<i>Bacillus cereus</i> Lipase in Organic Medium. Enzyme Research, 2011, 2011, 1-7.	1.8	25
33	Catalytic potential of a nitrocellulose membrane–immobilized lipase in aqueous and organic media. Journal of Applied Polymer Science, 2012, 124, E37.	2.6	25
34	High throughput synthesis of ethyl pyruvate by employing superparamagnetic iron nanoparticles-bound esterase. Process Biochemistry, 2018, 71, 109-117.	3.7	25
35	An immuno–dot blot assay for detection of thermostable protease from Pseudomonas sp. AFT–36 of dairy origin. Letters in Applied Microbiology, 1997, 25, 300-302.	2.2	24
36	Antimicrobial and toxicological studies of some metal complexes of 4-methylpiperazine-1-carbodithioate and phenanthroline mixed ligands. Brazilian Journal of Microbiology, 2009, 40, 916-922.	2.0	24

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37	Synthesis, characterization, and antimicrobial activity of oxovanadium(IV)hydroxamate complexes. Journal of Coordination Chemistry, 2010, 63, 1940-1950.	2.2	23
38	Properties of an immobilized lipase of <i>Bacillus coagulans</i> BTS-1. Acta Microbiologica Et Immunologica Hungarica, 2004, 51, 57-73.	0.8	22
39	Short-chain ester synthesis by transesterification employing poly (MAA-co-DMAA-cl-EMBA) hydrogel-bound lipase of <i>Bacillus coagulans</i> MTCC-6375. Journal of Applied Polymer Science, 2008, 109, 1063-1071.	2.6	22
40	Synthesis of ethyl acetate employing celite-immobilized lipase of <i>Bacillus cereus</i> MTCC 8372. Acta Microbiologica Et Immunologica Hungarica, 2009, 56, 229-242.	0.8	22
41	Application of different molecular techniques for deciphering genetic diversity among yeast isolates of traditional fermented food products of Western Himalayas. World Journal of Microbiology and Biotechnology, 2010, 26, 1539-1547.	3.6	22
42	Influence of phenolic compounds of Kangra tea [<i>Camellia sinensis</i> (L) O Kuntze] on bacterial pathogens and indigenous bacterial probiotics of Western Himalayas. Brazilian Journal of Microbiology, 2013, 44, 709-715.	2.0	22
43	Molecular cloning and characterization of ech 46 endochitinase from <i>Trichoderma harzianum</i> . International Journal of Biological Macromolecules, 2016, 92, 615-624.	7.5	22
44	Anaerobic fermentation of sheep droppings for biogas production. World Journal of Microbiology and Biotechnology, 1993, 9, 174-175.	3.6	21
45	Properties of poly(AAc-co-HPMA-cl-EGDMA) hydrogel-bound lipase of <i>Pseudomonas aeruginosa</i> MTCC-4713 and its use in synthesis of methyl acrylate. Journal of Applied Polymer Science, 2007, 104, 183-191.	2.6	20
46	Synthesis of Isopropyl Ferulate Using Silica-Immobilized Lipase in an Organic Medium. Enzyme Research, 2011, 2011, 1-8.	1.8	20
47	Purification and characterization of a low molecular mass alkaliphilic lipase of <i>Bacillus cereus</i> MTCC 8372. Acta Microbiologica Et Immunologica Hungarica, 2010, 57, 191-207.	0.8	19
48	An Insight in Developing Carrier-Free Immobilized Enzymes. Frontiers in Bioengineering and Biotechnology, 2022, 10, 794411.	4.1	19
49	Synthesis, characterization, and antibacterial activity of vanadium(IV) complexes of hydroxamic acids. Journal of Coordination Chemistry, 2010, 63, 176-184.	2.2	18
50	Synthesis of alkyl coumarate esters by celite-bound lipase of <i>Bacillus licheniformis</i> SCD11501. Journal of Molecular Catalysis B: Enzymatic, 2014, 101, 80-86.	1.8	18
51	Gallic acid-based alkyl esters synthesis in a water-free system by celite-bound lipase of <i>Bacillus licheniformis</i> SCD11501. Biotechnology Progress, 2015, 31, 715-723.	2.6	18
52	Long-term effect of mineral fertilizers and amendments on microbial dynamics in an alfisol of Western Himalayas. Indian Journal of Microbiology, 2007, 47, 86-89.	2.7	17
53	Enhanced Thermostability of Silica-immobilized Lipase from <i>Bacillus coagulans</i> BTS-3 and Synthesis of Ethyl Propionate. Acta Microbiologica Et Immunologica Hungarica, 2006, 53, 219-231.	0.8	16
54	Application of lipase immobilized on nylon-6 for the synthesis of butyl acetate by transesterification reaction in <i>n</i> -heptane. Journal of Applied Polymer Science, 2007, 106, 2724-2729.	2.6	16

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55	Characteristics of poly(AAc5-co-HPMA3-cl-EGDMA15) hydrogel-immobilized lipase of <i>Pseudomonas aeruginosa</i> MTCC-4713. <i>Journal of Applied Polymer Science</i> , 2006, 100, 4636-4644.	2.6	14
56	Role of Microbial Hydrolases in Bioremediation. <i>Microorganisms for Sustainability</i> , 2019, , 149-164.	0.7	14
57	Benzothiazole-Based Bioconjugates with Improved Antimicrobial, Anticancer and Antioxidant Potential. <i>ChemistrySelect</i> , 2018, 3, 11326-11332.	1.5	13
58	Differential tropism of EB rotavirus (serotype 3) to small intestine of homologous murine model. <i>Acta Virologica</i> , 1994, 38, 269-76.	0.8	13
59	Enhancement of Ethyl Propionate Synthesis by poly (AAc-co-HPMA-cl-MBAm)-immobilized <i>Pseudomonas aeruginosa</i> MTCC-4713, Exposed to Hg ²⁺ and NH ₄ ⁺ ions. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2006, 53, 195-207.	0.8	12
60	Thermostability and esterification of a polyethylene-immobilized lipase from <i>Bacillus coagulans</i> BTS-3. <i>Journal of Applied Polymer Science</i> , 2006, 102, 3986-3993.	2.6	12
61	Fermentation of Apple Juice with a Selected Yeast Strain Isolated from the Fermented Foods of Himalayan Regions and Its Organoleptic Properties. <i>Frontiers in Microbiology</i> , 2016, 07, 1012.	3.5	12
62	Lipopeptide(s) associated with human microbiome as potent cancer drug. <i>Seminars in Cancer Biology</i> , 2021, 70, 128-133.	9.6	12
63	Methacrylic acid and dodecyl methacrylate (MAc-DMA) hydrogel for enhanced catalytic activity of lipase of <i>Bacillus coagulans</i> MTCC-6375. <i>Journal of Applied Polymer Science</i> , 2006, 100, 1420-1426.	2.6	11
64	Synthesis and mycobactericidal properties of metal complexes of isonicotinoyldithiocarbamic acid. <i>Biotechnology Letters</i> , 2008, 30, 677-680.	2.2	11
65	Synthesis of medically important ethyl cinnamate ester by porcine pancreatic lipase immobilized on poly(AAc-co-HPMA-cl-EGDMA) hydrogel. <i>Journal of Applied Polymer Science</i> , 2011, 121, 2674-2679.	2.6	11
66	The influence of dysbiosis on kidney stones that risk up renal cell carcinoma (RCC). <i>Seminars in Cancer Biology</i> , 2021, 70, 134-138.	9.6	11
67	Biotransformation of lantadene A (22 beta-angeloyloxy-3-oxoolean-12-en-28-oic acid), the pentacyclic triterpenoid, by <i>Alcaligenes faecalis</i> . <i>Biodegradation</i> , 1999, 10, 373-381.	3.0	10
68	Bioactive peptides. , 2020, , 107-137.		10
69	Physical adsorption of lipase onto mesoporous silica. <i>International Journal of Current Advanced Research</i> , 2017, 6, 3837-3841.	0.0	10
70	Biodegradation of lantadene A, the pentacyclic triterpenoid hepatotoxin by <i>Pseudomonas pickettii</i> . <i>Letters in Applied Microbiology</i> , 1997, 24, 229-232.	2.2	9
71	Coordination Compounds of Hydroxamatooxovanadium(IV) Complexes with Nitrogenous Bases and Their Antimicrobial Activities. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 855-861.	3.2	9
72	Continuous production of lactic acid from molasses by free and immobilized <i>Sporolactobacillus cellulosolvens</i> . <i>World Journal of Microbiology and Biotechnology</i> , 1995, 11, 687-688.	3.6	8

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73	In vitro antibacterial and antimalarial activity of dehydrophenylalanine-containing undecapeptides alone and in combination with drugs. International Journal of Antimicrobial Agents, 2012, 39, 146-152.	2.5	8
74	The macrophages as an effector cell in Giardia lamblia infections. Medical Microbiology and Immunology, 1987, 176, 83-8.	4.8	7
75	Designing acrylamide- and methacrylate-based novel supports for lipase immobilization. Journal of Applied Polymer Science, 2007, 105, 3006-3016.	2.6	7
76	Bioresolution of benzyl glycidyl ether using whole cells of <i>Bacillus alcalophilus</i> . Journal of Basic Microbiology, 2012, 52, 383-389.	3.3	7
77	Utility of Silane-Modified Magnesium-Based Magnetic Nanoparticles for Efficient Immobilization of <i>Bacillus thermoamylovorans</i> Lipase. Applied Biochemistry and Biotechnology, 2020, 192, 1029-1043.	2.9	7
78	Purification and Characterization of an Extracellular Cholesterol Oxidase of <i>Bacillus subtilis</i> Isolated from Tiger Excreta. Applied Biochemistry and Biotechnology, 2016, 178, 353-367.	2.9	6
79	Purification of a Moderate Thermotolerant <i>Bacillus coagulans</i> BTS1 Lipase and its Properties in a Hydro-gel System. Acta Microbiologica Et Immunologica Hungarica, 2006, 53, 77-87.	0.8	5
80	Genetic variations in salt tolerant and plant growth promoting rhizobacteria of the Western Himalayas. Journal of Plant Biochemistry and Biotechnology, 2019, 28, 133-142.	1.7	5
81	Enumeration of small intestinal lymphocyte population in Giardia lamblia-infected mice. Journal of Diarrhoeal Diseases Research, 1984, 2, 243-8.	0.0	5
82	A novel approach for body weight management using a bacterial surfactin lipopeptide. Obesity Medicine, 2018, 10, 24-28.	0.9	4
83	Purification, characterization and cytotoxic properties of a bacterial RNase. International Journal of Biological Macromolecules, 2021, 166, 665-676.	7.5	4
84	Biodiesel and the Potential Role of Microbial Lipases in Its Production. Microorganisms for Sustainability, 2019, , 83-99.	0.7	4
85	Ethnic Fermented Foods and Beverages of Himachal Pradesh. , 2020, , 189-208.		4
86	Acquired resistance to Giardia lamblia infection in mice. Tropical and Geographical Medicine, 1985, 37, 32-6.	0.1	4
87	Combination of classical and statistical approaches to enhance the fermentation conditions and increase the yield of Lipopeptide(s) by <i>Pseudomonas</i> sp. OXDC12: its partial purification and determining antifungal property. Turkish Journal of Biology, 2021, 45, 695-710.	0.8	4
88	Synthesis of ethyl propionate catalyzed by poly(N-AEAAm-co-AAc)-cl-MBAm hydrogel-immobilized lipase of <i>Bacillus coagulans</i> MTCC-6375. Journal of Applied Polymer Science, 2007, 105, 1437-1443.	2.6	3
89	Reactions of Oxidobis(quinolin-8-olato)vanadium(IV) with Hydroxamate Ligands: A Route Providing Mixed Ligand and Quinolin-8-olato-Free Vanadium(IV) Complexes. Bulletin of the Chemical Society of Japan, 2012, 85, 1310-1317.	3.2	3
90	Antilipase activity guided fractionation of Vinca major. Journal of King Saud University - Science, 2018, 30, 433-439.	3.5	3

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91	The impact of nanoparticles-based enzyme immobilization in biocatalysis. , 2022, , 149-168.		3
92	Catalytic potential of a poly(AAc-co-HPMA-cl MBAm)-matrix-immobilized lipase from a thermotolerant <i>Pseudomonas aeruginosa</i> MTCC-4713. Journal of Applied Polymer Science, 2006, 100, 4252-4259.	2.6	2
93	Solvent free biocatalytic synthesis of vinyl monomers by lipase immobilized on hydrogels. Journal of Applied Polymer Science, 2008, 108, 3200-3209.	2.6	2
94	Effective immobilization of lipase onto a porous gelatin- <i>co</i> -Poly(vinyl alcohol) copolymer and evaluation of its hydrolytic properties. Journal of Applied Polymer Science, 2014, 131, .	2.6	2
95	Five-factor-at-a-time (FFAT) approach for optimal production of an extracellular RNase from <i>Bacillus safensis</i> RB-5. Preparative Biochemistry and Biotechnology, 2019, 49, 916-926.	1.9	2
96	Molecular characterization and <i>in silico</i> analysis of oxalate decarboxylase of <i>Pseudomonas</i> sp. OXDC12. Journal of Biomolecular Structure and Dynamics, 2023, 41, 1495-1509.	3.5	2
97	Biotechnological production and applications of ribonucleases. , 2020, , 363-389.		1
98	Purification, characterization, and biological cytotoxic activity of the extracellular cholesterol oxidase produced by <i>Castellaniella</i> sp. COX. Journal of Basic Microbiology, 2020, 60, 253-267.	3.3	1
99	Biodiversity of meatborne <i>Listeria</i> spp. in Himachal Pradesh and their interaction with indigenous probiotics. Journal of Food Science and Technology, 2021, 58, 1209-1215.	2.8	1
100	Antimicrobial and toxicological studies of some metal complexes of 4-methylpiperazine-1-carbodithioate and phenanthroline mixed ligands. Brazilian Journal of Microbiology, 2009, 40, 916-22.	2.0	1
101	Inhibition of hepatic extramedullary haemopoiesis by nucleoprotein of heterologous rotavirus strain in infant mice. Acta Virologica, 1993, 37, 466-74.	0.8	1
102	Plant Growth-Promoting Bacterial Life at High Salt Concentrations: Genetic Variability. , 2019, , 101-111.		0