

Jagjit S Yadav

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

4,275
citations

33
h-index

64
g-index

89
ext. papers

4,876
ext. citations

4.9
avg, IF

5.05
L-index

#	Paper	IF	Citations
87	Crosstalk between gut microbiota and lung inflammation in murine toxicity models of respiratory exposure or co-exposure to carbon nanotube particles and cigarette smoke extract. <i>Toxicology and Applied Pharmacology</i> , 2022 , 447, 116066	4.6	2
86	Omics analyses and biochemical study of <i>Phlebiopsis gigantea</i> elucidate its degradation strategy of wood extractives. <i>Scientific Reports</i> , 2021 , 11, 12528	4.9	0
85	Comparative toxicity reduction potential of UV/sodium percarbonate and UV/hydrogen peroxide treatments for bisphenol A in water: An integrated analysis using chemical, computational, biological, and metabolomic approaches. <i>Water Research</i> , 2021 , 190, 116755	12.5	15
84	Genome Sequence of the Chestnut Blight Fungus EP155: A Fundamental Resource for an Archetypical Invasive Plant Pathogen. <i>Phytopathology</i> , 2020 , 110, 1180-1188	3.8	17
83	Towards on-site detection of cadmium in human urine. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 859, 113808	4.1	3
82	Aquaporins in lung health and disease: Emerging roles, regulation, and clinical implications. <i>Respiratory Medicine</i> , 2020 , 174, 106193	4.6	16
81	Exposure to perfluorooctanoic acid (PFOA) decreases neutrophil migration response to injury in zebrafish embryos. <i>BMC Research Notes</i> , 2020 , 13, 408	2.3	6
80	Electrically heatable carbon nanotube point-of-use filters for effective separation and in-situ inactivation of. <i>Chemical Engineering Journal</i> , 2019 , 366, 21-26	14.7	10
79	Modeling and simulation of colonization of water-based metalworking fluid by <i>Mycobacterium immunogenum</i> . <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 4953-4960	6.8	1
78	Microbial P450 Enzymes in Bioremediation and Drug Discovery: Emerging Potentials and Challenges. <i>Current Protein and Peptide Science</i> , 2018 , 19, 75-86	2.8	12
77	Modulation of in vitro phagocytic uptake and immunogenicity potential of modified Herceptin-conjugated PLGA-PEG nanoparticles for drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 162, 271-278	6	25
76	Early immunopathological events in acute model of mycobacterial hypersensitivity pneumonitis in mice. <i>Journal of Immunotoxicology</i> , 2017 , 14, 77-88	3.1	7
75	Genetic susceptibility to toxicologic lung responses among inbred mouse strains following exposure to carbon nanotubes and profiling of underlying gene networks. <i>Toxicology and Applied Pharmacology</i> , 2017 , 327, 59-70	4.6	3
74	CYPome of the conifer pathogen <i>Heterobasidion irregulare</i> : Inventory, phylogeny, and transcriptional analysis of the response to biocontrol. <i>Fungal Biology</i> , 2017 , 121, 158-171	2.8	7
73	Multifaceted Supramolecular Interactions from C-Methylresorcin[4]arene Lead to an Enhancement in In Vitro Antibacterial Activity of Gatifloxacin. <i>Chemistry - A European Journal</i> , 2017 , 23, 18171-18179	4.8	11
72	Draft genome sequence of a monokaryotic model brown-rot fungus SB12. <i>Genomics Data</i> , 2017 , 14, 21-23		9
71	Gut microbiome diversity influenced more by the Westernized dietary regime than the body mass index as assessed using effect size statistic. <i>MicrobiologyOpen</i> , 2017 , 6, e00476	3.4	34

70	Human leukocyte antigen (HLA)-binding epitopes dataset for the newly identified T-cell antigens of <i>Mycobacterium immunogenum</i> . <i>Data in Brief</i> , 2016 , 8, 1069-71	1.2	3
69	Comparative Genomics of Early-Diverging Mushroom-Forming Fungi Provides Insights into the Origins of Lignocellulose Decay Capabilities. <i>Molecular Biology and Evolution</i> , 2016 , 33, 959-70	8.3	131
68	Carbon Nanotube and Asbestos Exposures Induce Overlapping but Distinct Profiles of Lung Pathology in Non-Swiss Albino CF-1 Mice. <i>Toxicologic Pathology</i> , 2016 , 44, 211-25	2.1	8
67	T-cell antigens of <i>Mycobacterium immunogenum</i> , an etiological agent of occupational hypersensitivity pneumonitis. <i>Molecular Immunology</i> , 2016 , 75, 168-77	4.3	5
66	Expansion of Signal Transduction Pathways in Fungi by Extensive Genome Duplication. <i>Current Biology</i> , 2016 , 26, 1577-1584	6.3	119
65	Novel antigens of <i>Mycobacterium immunogenum</i> relevant in serodiagnosis of occupational hypersensitivity pneumonitis in machinists. <i>Annals of Allergy, Asthma and Immunology</i> , 2015 , 114, 525-6	3.2	5
64	MyD88 mediates in vivo effector functions of alveolar macrophages in acute lung inflammatory responses to carbon nanotube exposure. <i>Toxicology and Applied Pharmacology</i> , 2015 , 288, 322-9	4.6	18
63	SHP-2 Mediates <i>Cryptosporidium parvum</i> Infectivity in Human Intestinal Epithelial Cells. <i>PLoS ONE</i> , 2015 , 10, e0142219	3.7	4
62	A new in vitro model using small intestinal epithelial cells to enhance infection of <i>Cryptosporidium parvum</i> . <i>Journal of Microbiological Methods</i> , 2014 , 106, 47-54	2.8	26
61	The protecting-group directed diastereoselective Nozaki-Hiyama-Kishi (NHK) reaction: total synthesis and biological evaluation of zeaenol, 7-epi-zeaenol and its analogues. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 9683-95	3.9	19
60	Molecular Detection, Quantification, and Toxigenicity Profiling of <i>Aeromonas</i> spp. in Source- and Drinking-Water. <i>Open Microbiology Journal</i> , 2014 , 8, 32-9	0.8	11
59	Analysis of the <i>Phlebiopsis gigantea</i> genome, transcriptome and secretome provides insight into its pioneer colonization strategies of wood. <i>PLoS Genetics</i> , 2014 , 10, e1004759	6	67
58	Extended tracking of the microbial community structure and dynamics in an industrial synthetic metalworking fluid system. <i>FEMS Microbiology Ecology</i> , 2014 , 87, 664-77	4.3	6
57	Association of <i>Streptomyces</i> community composition determined by PCR-denaturing gradient gel electrophoresis with indoor mold status. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 8773-83	3.1	2
56	Genomewide annotation and comparative genomics of cytochrome P450 monooxygenases (P450s) in the polypore species <i>Bjerkandera adusta</i> , <i>Ganoderma</i> sp. and <i>Phlebia brevispora</i> . <i>Mycologia</i> , 2013 , 105, 1445-55	2.4	33
55	A novel P450-initiated biphasic process for sustainable biodegradation of benzo[a]pyrene in soil under nutrient-sufficient conditions by the white rot fungus <i>Phanerochaete chrysosporium</i> . <i>Journal of Hazardous Materials</i> , 2013 , 261, 675-83	12.8	37
54	Rational engineering of the fungal P450 monooxygenase CYP5136A3 to improve its oxidizing activity toward polycyclic aromatic hydrocarbons. <i>Protein Engineering, Design and Selection</i> , 2013 , 26, 553-7	1.9	19
53	CYP63A2, a catalytically versatile fungal P450 monooxygenase capable of oxidizing higher-molecular-weight polycyclic aromatic hydrocarbons, alkylphenols, and alkanes. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 2692-702	4.8	74

52	Alveolar macrophage innate response to Mycobacterium immunogenum, the etiological agent of hypersensitivity pneumonitis: role of JNK and p38 MAPK pathways. <i>PLoS ONE</i> , 2013 , 8, e83172	3.7	8
51	Tuberculosis and Other Mycobacteria 2012 , 559-582		
50	Comparative genomics of the white-rot fungi, Phanerochaete carnososa and P. chrysosporium, to elucidate the genetic basis of the distinct wood types they colonize. <i>BMC Genomics</i> , 2012 , 13, 444	4.5	97
49	Comparative genomics of Ceriporiopsis subvermispora and Phanerochaete chrysosporium provide insight into selective ligninolysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 5458-63	11.5	225
48	Antimicrobial activity of selected natural products against Gram-positive, Gram-negative and Acid-fast bacterial pathogens. <i>Alternative Medicine Studies</i> , 2012 , 2, 13		3
47	P450 monooxygenases (P450 _{ome}) of the model white rot fungus Phanerochaete chrysosporium. <i>Critical Reviews in Microbiology</i> , 2012 , 38, 339-63	7.8	87
46	The Paleozoic origin of enzymatic lignin decomposition reconstructed from 31 fungal genomes. <i>Science</i> , 2012 , 336, 1715-9	33.3	1129
45	Expanding the mycobacterial diversity of metalworking fluids (MWFs): evidence showing MWF colonization by Mycobacterium abscessus. <i>FEMS Microbiology Ecology</i> , 2012 , 79, 392-9	4.3	12
44	Capture of Magnetic Microspheres in Electrokinetic Flow for Application in Lab-on-Chip Devices 2012 ,		1
43	Bloodborne Pathogens in the Workplace 2012 , 535-558		
42	Secretome differences between the taxonomically related but clinically differing mycobacterial species Mycobacterium abscessus and M. chelonae. <i>Journal of Integrated OMICS</i> , 2012 , 2,	0.5	2
41	Cytochrome b ₅ reductase-cytochrome b ₅ as an active P450 redox enzyme system in Phanerochaete chrysosporium: atypical properties and in vivo evidence of electron transfer capability to CYP63A2. <i>Archives of Biochemistry and Biophysics</i> , 2011 , 509, 26-32	4.1	36
40	A fungal P450 (CYP5136A3) capable of oxidizing polycyclic aromatic hydrocarbons and endocrine disrupting alkylphenols: role of Trp(129) and Leu(324). <i>PLoS ONE</i> , 2011 , 6, e28286	3.7	35
39	Multigenic control and sex bias in host susceptibility to spore-induced pulmonary anthrax in mice. <i>Infection and Immunity</i> , 2011 , 79, 3204-15	3.7	12
38	Susceptibility of Mycobacterium immunogenum and Pseudomonas fluorescens to formaldehyde and non-formaldehyde biocides in semi-synthetic metalworking fluids. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 725-41	6.3	8
37	Development of a rapid ATP bioluminescence assay for biocidal susceptibility testing of rapidly growing mycobacteria. <i>Journal of Clinical Microbiology</i> , 2010 , 48, 3725-8	9.7	15
36	Genome-to-function characterization of novel fungal P450 monooxygenases oxidizing polycyclic aromatic hydrocarbons (PAHs). <i>Biochemical and Biophysical Research Communications</i> , 2010 , 399, 492-7	3.4	79
35	P450 redox enzymes in the white rot fungus Phanerochaete chrysosporium: gene transcription, heterologous expression, and activity analysis on the purified proteins. <i>Current Microbiology</i> , 2010 , 61, 306-14	2.4	7

34	Role of P450 monooxygenases in the degradation of the endocrine-disrupting chemical nonylphenol by the white rot fungus <i>Phanerochaete chrysosporium</i> . <i>Applied and Environmental Microbiology</i> , 2009 , 75, 5570-80	4.8	53
33	Genome, transcriptome, and secretome analysis of wood decay fungus <i>Postia placenta</i> supports unique mechanisms of lignocellulose conversion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 1954-9	11.5	479
32	Immunoproteomic identification of secretory and subcellular protein antigens and functional evaluation of the secretome fraction of <i>Mycobacterium immunogenum</i> , a newly recognized species of the <i>Mycobacterium chelonae</i> - <i>Mycobacterium abscessus</i> group. <i>Journal of Proteome Research</i> , 2009 , 8, 2319-30	5.6	39
31	Development of a species-specific colorimetric-PCR assay for detection and species differentiation of <i>Mycobacterium immunogenum</i> and <i>Mycobacterium chelonae</i> and its comparison with quantitative real-time PCR for field metalworking fluids. <i>Molecular and Cellular Probes</i> , 2009 , 23, 75-82	3.3	6
30	Specific detection and quantification of culturable and non-culturable mycobacteria in metalworking fluids by fluorescence-based methods. <i>Letters in Applied Microbiology</i> , 2008 , 47, 451-6	2.9	8
29	Peptide nucleic acid-fluorescence in situ hybridization (PNA-FISH) assay for specific detection of <i>Mycobacterium immunogenum</i> and DNA-FISH assay for analysis of pseudomonads in metalworking fluids and sputum. <i>Molecular and Cellular Probes</i> , 2008 , 22, 273-80	3.3	11
28	Differential biocide susceptibility of the multiple genotypes of <i>Mycobacterium immunogenum</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008 , 35, 197-203	4.2	10
27	REGULATION AND HETEROLOGOUS EXPRESSION OF P450 ENZYME SYSTEM COMPONENTS OF THE WHITE ROT FUNGUS PHANEROCHAETE CHRYSOSPORIUM. <i>Enzyme and Microbial Technology</i> , 2008 , 43, 205-213	3.8	22
26	Global gene expression changes underlying <i>Stachybotrys chartarum</i> toxin-induced apoptosis in murine alveolar macrophages: evidence of multiple signal transduction pathways. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007 , 12, 535-48	5.4	11
25	DNA damage, redox changes, and associated stress-inducible signaling events underlying the apoptosis and cytotoxicity in murine alveolar macrophage cell line MH-S by methanol-extracted <i>Stachybotrys chartarum</i> toxins. <i>Toxicology and Applied Pharmacology</i> , 2006 , 214, 297-308	4.6	22
24	P450ome of the white rot fungus <i>Phanerochaete chrysosporium</i> : structure, evolution and regulation of expression of genomic P450 clusters. <i>Biochemical Society Transactions</i> , 2006 , 34, 1165-9	5.1	56
23	Method for rapid identification and differentiation of the species of the <i>Mycobacterium chelonae</i> complex based on 16S-23S rRNA gene internal transcribed spacer PCR-restriction analysis. <i>Journal of Clinical Microbiology</i> , 2005 , 43, 4466-72	9.7	21
22	A new method for species identification and differentiation of <i>Mycobacterium chelonae</i> complex based on amplified hsp65 restriction analysis (AHSPRA). <i>Molecular and Cellular Probes</i> , 2005 , 19, 93-9	3.3	31
21	Occurrence and characterization of multiple novel genotypes of <i>Mycobacterium immunogenum</i> and <i>Mycobacterium chelonae</i> in metalworking fluids. <i>FEMS Microbiology Ecology</i> , 2005 , 54, 329-38	4.3	29
20	Genome-wide structural and evolutionary analysis of the P450 monooxygenase genes (P450ome) in the white rot fungus <i>Phanerochaete chrysosporium</i> : evidence for gene duplications and extensive gene clustering. <i>BMC Genomics</i> , 2005 , 6, 92	4.5	79
19	Physiological regulation, xenobiotic induction, and heterologous expression of P450 monooxygenase gene pc-3 (CYP63A3), a new member of the CYP63 gene cluster in the white-rot fungus <i>Phanerochaete chrysosporium</i> . <i>Current Microbiology</i> , 2005 , 50, 292-8	2.4	32
18	Microarray-based global differential expression profiling of P450 monooxygenases and regulatory proteins for signal transduction pathways in the white rot fungus <i>Phanerochaete chrysosporium</i> . <i>Molecular Genetics and Genomics</i> , 2005 , 274, 454-66	3.1	41
17	Biocidal activity of formaldehyde and nonformaldehyde biocides toward <i>Mycobacterium immunogenum</i> and <i>Pseudomonas fluorescens</i> in pure and mixed suspensions in synthetic metalworking fluid and saline. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 542-6	4.8	51

16	Development of a single-tube, cell lysis-based, genus-specific PCR method for rapid identification of mycobacteria: optimization of cell lysis, PCR primers and conditions, and restriction pattern analysis. <i>Journal of Clinical Microbiology</i> , 2004 , 42, 453-7	9.7	62
15	Differential regulation and xenobiotic induction of tandem P450 monooxygenase genes pc-1 (CYP63A1) and pc-2 (CYP63A2) in the white-rot fungus <i>Phanerochaete chrysosporium</i> . <i>Applied Microbiology and Biotechnology</i> , 2004 , 65, 559-65	5.7	52
14	Real-time PCR assays for genus-specific detection and quantification of culturable and non-culturable mycobacteria and pseudomonads in metalworking fluids. <i>Molecular and Cellular Probes</i> , 2004 , 18, 67-73	3.3	46
13	DNA-based methodologies for rapid detection, quantification, and species- or strain-level identification of respiratory pathogens (Mycobacteria and Pseudomonads) in metalworking fluids. <i>Journal of Occupational and Environmental Hygiene</i> , 2003 , 18, 966-75		28
12	Tandem cytochrome P450 monooxygenase genes and splice variants in the white rot fungus <i>Phanerochaete chrysosporium</i> : cloning, sequence analysis, and regulation of differential expression. <i>Fungal Genetics and Biology</i> , 2003 , 38, 10-21	3.9	29
11	Effect of electrical charges and fields on injury and viability of airborne bacteria. <i>Biotechnology and Bioengineering</i> , 2002 , 79, 229-41	4.9	56
10	Biotransformation of linear alkylbenzene sulfonate (LAS) by <i>Phanerochaete chrysosporium</i> : oxidation of alkyl side-chain. <i>Biodegradation</i> , 2001 , 12, 443-53	4.1	36
9	Mineralization of trichloroethylene (TCE) by the white rot fungus <i>Phanerochaete chrysosporium</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> , 2000 , 65, 28-34	2.7	5
8	Cytochrome P450 oxidoreductase gene and its differentially terminated cDNAs from the white rot fungus <i>Phanerochaete chrysosporium</i> . <i>Current Genetics</i> , 2000 , 37, 65-73	2.9	38
7	Cloning and characterization of the cytochrome P450 oxidoreductase gene from the zygomycete fungus <i>Cunninghamella</i> . <i>Biochemical and Biophysical Research Communications</i> , 2000 , 268, 345-53	3.4	17
6	Multiple p450alk (cytochrome P450 alkane hydroxylase) genes from the halotolerant yeast <i>Debaryomyces hansenii</i> . <i>Gene</i> , 1999 , 226, 139-46	3.8	37
5	Mineralization of mono- and dichlorobenzenes and simultaneous degradation of chloro- and methyl-substituted benzenes by the white rot fungus <i>Phanerochaete chrysosporium</i> . <i>Applied and Environmental Microbiology</i> , 1995 , 61, 677-80	4.8	37
4	Degradation of polychlorinated biphenyl mixtures (Aroclors 1242, 1254, and 1260) by the white rot fungus <i>Phanerochaete chrysosporium</i> as evidenced by congener-specific analysis. <i>Applied and Environmental Microbiology</i> , 1995 , 61, 2560-5	4.8	96
3	Degradation of benzene, toluene, ethylbenzene, and xylenes (BTEX) by the lignin-degrading basidiomycete <i>Phanerochaete chrysosporium</i> . <i>Applied and Environmental Microbiology</i> , 1993 , 59, 756-62	4.8	131
2	Mineralization of 2,4-Dichlorophenoxyacetic Acid (2,4-D) and Mixtures of 2,4-D and 2,4,5-Trichlorophenoxyacetic Acid by <i>Phanerochaete chrysosporium</i> . <i>Applied and Environmental Microbiology</i> , 1993 , 59, 2904-8	4.8	47
1	Non-involvement of lignin peroxidases and manganese peroxidases in 2,4,5-trichlorophenoxyacetic acid degradation by <i>Phanerochaete chrysosporium</i> . <i>Biotechnology Letters</i> , 1992 , 14, 1089-1092	3	36