# Om Vir Singh

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6002149/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 49 papers | 4,210 citations | 279798 23 h-index | 233421 45 g-index |
| 49 all docs | 49 docs citations | 49 times ranked | 6075 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Bioconversion of lignocellulosic biomass: biochemical and molecular perspectives. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 377-391. | 3.0 | 962 |
| 2 | Polycyclic aromatic hydrocarbons: environmental pollution and bioremediation. Trends in Biotechnology, 2002, 20, 243-248. | 9.3 | 952 |
| 3 | Phytoremediation: an overview of metallic ion decontamination from soil. Applied Microbiology and Biotechnology, 2003, 61, 405-412. | 3.6 | 335 |
| 4 | The Warburg effect: Insights from the past decade. , 2013, 137, 318-330. | | 190 |
| 5 | Detoxification of Lignocellulose Hydrolysates: Biochemical and Metabolic Engineering Toward White Biotechnology. Bioenergy Research, 2013, 6, 388-401. | 3.9 | 174 |
| 6 | Biotechnological production of gluconic acid: future implications. Applied Microbiology and Biotechnology, 2007, 75, 713-722. | 3.6 | 154 |
| 7 | Phytoremediation of toxic aromatic pollutants from soil. Applied Microbiology and Biotechnology, 2003, 63, 128-135. | 3.6 | 145 |
| 8 | Weedy lignocellulosic feedstock and microbial metabolic engineering: advancing the generation of â€˜Biofuelâ€™. Applied Microbiology and Biotechnology, 2011, 89, 1289-1303. | 3.6 | 145 |
| 9 | Radiation-resistant extremophiles and their potential in biotechnology and therapeutics. Applied Microbiology and Biotechnology, 2013, 97, 993-1004. | 3.6 | 120 |
| 10 | The realm of penicillin G acylase in Î²-lactam antibiotics. Enzyme and Microbial Technology, 2008, 42, 199-207. | 3.2 | 112 |
| 11 | Extremophiles: radiation resistance microbial reserves and therapeutic implications. Journal of Applied Microbiology, 2011, 110, 851-861. | 3.1 | 98 |
| 12 | Genetically modified crops: success, safety assessment, and public concern. Applied Microbiology and Biotechnology, 2006, 71, 598-607. | 3.6 | 78 |
| 13 | A microcosm study on bioremediation of p-nitrophenol-contaminated soil using Arthrobacter protophormiae RKJ100. Applied Microbiology and Biotechnology, 2005, 68, 417-424. | 3.6 | 74 |
| 14 | Proteomics and metabolomics: The molecular make-up of toxic aromatic pollutant bioremediation. Proteomics, 2006, 6, 5481-5492. | 2.2 | 73 |
| 15 | Chemical Rescue of c:workingBhatia,08-augasmbuploadj-elbm0001-0142F508-CFTR Mimics Genetic Repair in Cystic Fibrosis Bronchial Epithelial Cells. Molecular and Cellular Proteomics, 2008, 7, 1099-1110. | 3.8 | 58 |
| 16 | Pharmacoproteomics of 4-Phenylbutyrate-Treated IB3-1 Cystic Fibrosis Bronchial Epithelial Cells. Journal of Proteome Research, 2006, 5, 562-571. | 3.7 | 54 |
| 17 | Diallyl disulfide causes caspase-dependent apoptosis in human cancer cells through a Bax-triggered mitochondrial pathway. Journal of Nutritional Biochemistry, 2010, 21, 405-412. | 4.2 | 52 |
| 18 | Proteome of synaptosomeâ€associated proteins in spinal cord dorsal horn after peripheral nerve injury. Proteomics, 2009, 9, 1241-1253. | 2.2 | 43 |

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|---|---|---|---|
| 19 | Bioconversion of Saccharum spontaneum (wild sugarcane) hemicellulosic hydrolysate into ethanol by mono and co-cultures of Pichia stipitis NCIM3498 and thermotolerant Saccharomyces cerevisiae-VS3. New Biotechnology, 2011, 28, 593-599. | 4.4 | 41 |
| 20 | Antibiotrophs: The complexity of antibiotic-subsisting and antibiotic-resistant microorganisms. Critical Reviews in Microbiology, 2016, 42, 17-30. | 6.1 | 32 |
| 21 | Bioremediation of Radionuclides: Emerging Technologies. OMICS A Journal of Integrative Biology, 2007, 11, 295-304. | 2.0 | 31 |
| 22 | Bioconversion of grape must into modulated gluconic acid production by Aspergillus niger ORS-4.410. Journal of Applied Microbiology, 2006, 100, 1114-1122. | 3.1 | 29 |
| 23 | Evaluation of agro-food byproducts for gluconic acid production by Aspergillus niger ORS-4.410. World Journal of Microbiology and Biotechnology, 2005, 21, 519-524. | 3.6 | 27 |
| 24 | Proteomics: a strategy to understand the novel targets in protein misfolding and cancer therapy. Expert Review of Proteomics, 2010, 7, 613-623. | 3.0 | 27 |
| 25 | High-dimensional biology to comprehend hepatocellular carcinoma. Expert Review of Proteomics, 2008, 5, 45-60. | 3.0 | 23 |
| 26 | Uptake and translocation of sulfamethazine by alfalfa grown under hydroponic conditions. Journal of Environmental Sciences, 2017, 53, 217-223. | 6.1 | 21 |
| 27 | Human microbiome versus food-borne pathogens: friend or foe. Applied Microbiology and Biotechnology, 2016, 100, 4845-4863. | 3.6 | 19 |
| 28 | Molecular methods in the diagnosis and management of chronic hepatitis B. Expert Review of Molecular Diagnostics, 2010, 10, 921-935. | 3.1 | 18 |
| 29 | Hypervalent iodine oxidation of aryl methyl ketones: A convenient route to methyl Î±-methoxyarylacetatos. Tetrahedron Letters, 1990, 31, 3055-3058. | 1.4 | 17 |
| 30 | Ultravioletâ€radiationâ€resistant isolates revealed celluloseâ€degrading species of Cellulosimicrobium cellulans (<scp>UVP</scp>1) and Bacillus pumilus (<scp>UVP</scp>4). Biotechnology and Applied Biochemistry, 2012, 59, 395-404. | 3.1 | 17 |
| 31 | Simultaneous extraction scheme: A method to characterise metal forms in sewage sludge. Environmental Technology (United Kingdom), 1990, 11, 229-238. | 2.2 | 14 |
| 32 | Emergence of antibiotic-resistant extremophiles (AREs). Extremophiles, 2012, 16, 697-713. | 2.3 | 12 |
| 33 | Using Genomics to Develop Novel Antibacterial Therapeutics. Critical Reviews in Microbiology, 2010, 36, 340-348. | 6.1 | 10 |
| 34 | A CONVENIENT METHOD FOR THE SYNTHESIS OF FLAVANONES BY THE SELECTIVE OXIDATION OF FLAVAN-4-OLS WITH HYPERVALENT IODINE. Organic Preparations and Procedures International, 1993, 25, 693-695. | 1.3 | 9 |
| 35 | Mutagenesis and Analysis of Mold Aspergillus niger for Extracellular Glucose Oxidase Production Using Sugarcane Molasses. Applied Biochemistry and Biotechnology, 2006, 135, 43-58. | 2.9 | 9 |
| 36 | Microbial occurrence and antibiotic resistance in ready-to-go food items. Journal of Food Science and Technology, 2018, 55, 2600-2609. | 2.8 | 9 |

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|---|---|---|---|
| 37 | Applications of proteomic technologies for understanding the premature proteolysis of CFTR. Expert Review of Proteomics, 2010, 7, 473-486. | 3.0 | 4 |
| 38 | Two-Dimensional Gel Electrophoresis: Discovering Neuropathic Pain-Associated Synaptic Biomarkers in Spinal Cord Dorsal Horn. Methods in Molecular Biology, 2012, 851, 47-63. | 0.9 | 4 |
| 39 | Integrating biological processes to facilitate the generation of â€˜Biofuelâ€™. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 291-292. | 3.0 | 3 |
| 40 | Protein-misfolding diseases and the paradigm of proteomics-based therapeutic targets. Expert Review of Proteomics, 2010, 7, 463-464. | 3.0 | 3 |
| 41 | Bio-economics of melanin biosynthesis using electromagnetic field resistant Streptomyces sp.-EF1 isolated from cave soil. Annals of Microbiology, 2015, 65, 1573-1582. | 2.6 | 3 |
| 42 | Mutual Binary Separations of Zinc, Cadmium and Mercury by Extraction with Tribenzylamine from Aqueous Bromide and Iodide Solutions. Analytical Letters, 1976, 9, 921-927. | 1.8 | 2 |
| 43 | Integrating â€œ-Omicsâ€•into Biological Processes and Modeling for Bioremediation. OMICS A Journal of Integrative Biology, 2007, 11, 231-232. | 2.0 | 2 |
| 44 | Extracellular Synthesis and Characterization of Silver Nanoparticles from Alkaliphilic Pseudomonas sp.. Journal of Nanoscience and Nanotechnology, 2020, 20, 1567-1577. | 0.9 | 2 |
| 45 | Morphological characterization of ber germplasm. Indian Journal of Horticulture, 2019, 76, 219. | 0.1 | 2 |
| 46 | Separation of Mercury(II) as Chloride from Zinc(II), Cadmium(II), Gold(III), and Thallium(III) by Extraction in High-Molecular-Weight Amines. Separation Science, 1975, 10, 359-370. | 0.6 | 1 |
| 47 | 60 Hz beam motion reduction at NSLS UV storage ring. , 0, , . | | 0 |
| 48 | The power supply systems for elliptical multipole wigglers. , 0, , . | | 0 |
| 49 | Synthetic immunosurveillance systems: Nanodevices to monitor physiological events. Biosensors and Bioelectronics, 2014, 61, 152-164. | 10.1 | 0 |