S F D'souza

List of Publications by Year
in descending order

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82 papers	4,993 citations	100601 38 h-index	100535 70 g-index
82 all docs	82 docs citations	82 times ranked	5507 citing authors

#	Article	IF	Citations
1	Identification of redox-regulated components of arsenate (As^V) tolerance through thiourea supplementation in rice. Metallomics, 2014, 6, 1718-1730.	1.0	55
2	Quantitative real-time expression profiling of aquaporins-isoforms and growth response of Brassica juncea under arsenite stress. Molecular Biology Reports, 2013, 40, 2879-2886.	1.0	19
3	Immobilization of the urease on eggshell membrane and its application in biosensor. Materials Science and Engineering C, 2013, 33, 850-854.	3.8	49
4	The effect of arsenic on pigment composition and photosynthesis in Hydrilla verticillata. Biologia Plantarum, 2013, 57, 385-389.	1.9	56
5	Identification and profiling of arsenic stress-induced microRNAs inBrassica juncea. Journal of Experimental Botany, 2013, 64, 303-315.	2.4	214
6	Evaluation of transgenic tobacco plants expressing a bacterial Coâ€“Ni transporter for acquisition of cobalt. Journal of Biotechnology, 2012, 161, 422-428.	1.9	9
7	Immobilization of lipase on cotton cloth using the layer-by-layer self-assembly technique. International Journal of Biological Macromolecules, 2012, 50, 300-302.	3.6	37
8	Mechanisms of Arsenic Tolerance and Detoxification in Plants and their Application in Transgenic Technology: A Critical Appraisal. International Journal of Phytoremediation, 2012, 14, 506-517.	1.7	48
9	Microbial biosensor for detection of methyl parathion using screen printed carbon electrode and cyclic voltammetry. Biosensors and Bioelectronics, 2011, 26, 4289-4293.	5.3	66
10	Immobilization of microbial cells on inner epidermis of onion bulb scale for biosensor application. Biosensors and Bioelectronics, 2011, 26, 4399-4404.	5.3	38
11	Buckling-driven morphological transformation of droplets of a mixed colloidal suspension during evaporation-induced self-assembly by spray drying. European Physical Journal E, 2010, 31, 393-402.	0.7	36
12	Investigation of uranium accumulation potential and biochemical responses of an aquatic weed Hydrilla verticillata (L.f.) Royle. Bioresource Technology, 2010, 101, 2573-2579.	4.8	56
13	An optical microbial biosensor for detection of methyl parathion using Sphingomonas sp. immobilized on microplate as a reusable biocomponent. Biosensors and Bioelectronics, 2010, 26, 1292-1296.	5.3	59
14	Genome-wide analysis of thiourea-modulated salinity stress-responsive transcripts in seeds of Brassica juncea: identification of signalling and effector components of stress tolerance. Annals of Botany, 2010, 106, 663-674.	1.4	50
15	Effect of variable sulfur supply on arsenic tolerance and antioxidant responses in Hydrilla verticillata (L.f.) Royle. Ecotoxicology and Environmental Safety, 2010, 73, 1314-1322.	2.9	57
16	Survival of phosphate-solubilizing bacteria against DNA damaging agents. Canadian Journal of Microbiology, 2010, 56, 822-830.	0.8	17
17	Comparative biochemical and transcriptional profiling of two contrasting varieties of Brassica juncea L. in response to arsenic exposure reveals mechanisms of stress perception and tolerance. Journal of Experimental Botany, 2009, 60, 3419-3431.	2.4	138
18	Inner epidermis of onion bulb scale: As natural support for immobilization of glucose oxidase and its application in dissolved oxygen based biosensor. Biosensors and Bioelectronics, 2009, 24, 1792-1795.	5.3	26

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19	Bioprocess for Solubilization of Rock Phosphate on Starch Based Medium by Paecilomyces marquandii Immobilized on Polyurethane Foam. Applied Biochemistry and Biotechnology, 2009, 152, 1-5.	1.4	12
20	Potential of Chromolaena odorata for phytoremediation of 137Cs from solution and low level nuclear waste. Journal of Hazardous Materials, 2009, 162, 743-745.	6.5	59
21	Uranium and thorium sequestration by a Pseudomonas sp.: Mechanism and chemical characterization. Journal of Hazardous Materials, 2009, 163, 65-72.	6.5	181
22	Increasing Sulfur Supply Enhances Tolerance to Arsenic and its Accumulation inHydrilla verticillata(L.f.) Royle. Environmental Science & Technology, 2009, 43, 6308-6313.	4.6	54
23	Evaporation Driven Self-Assembly of a Colloidal Dispersion during Spray Drying: Volume Fraction Dependent Morphological Transition. Langmuir, 2009, 25, 6690-6695.	1.6	123
24	Thiourea modulates the expression and activity profile of mtATPase under salinity stress in seeds of Brassica juncea. Annals of Botany, 2009, 103, 403-410.	1.4	49
25	Biosorption characteristics of uranium(VI) from aqueous medium onto Catenella repens, a red alga. Journal of Hazardous Materials, 2008, 158, 628-635.	6.5	130
26	Glutaraldehyde activated eggshell membrane for immobilization of tyrosinase from Amorphophallus companulatus: Application in construction of electrochemical biosensor for dopamine. Analytica Chimica Acta, 2008, 612, 212-217.	2.6	84
27	Phytoremediation of 137cesium and 90strontium from solutions and low-level nuclear waste by Vetiveria zizanoides. Ecotoxicology and Environmental Safety, 2008, 69, 306-311.	2.9	115
28	Potential of vetiver (Vetiveria zizanoides L. Nash) for phytoremediation of phenol. Ecotoxicology and Environmental Safety, 2008, 71, 671-676.	2.9	56
29	Conductivity-Based Catechol Sensor Using Tyrosinase Immobilized in Porous Silicon. IEEE Sensors Journal, 2008, 8, 1593-1597.	2.4	26
30	Field Performance and RAPD Analysis of Gamma-Irradiated Variants of Banana Cultivar â€˜Giant Cavendishâ€™ (AAA). International Journal of Fruit Science, 2008, 8, 147-159.	1.2	22
31	Preparation of PVA membrane for immobilization of GOD for glucose biosensor. Talanta, 2007, 75, 183-8.	2.9	22
32	Electrochemical biosensor for catechol using agaroseâ€“guar gum entrapped tyrosinase. Journal of Biotechnology, 2007, 128, 80-85.	1.9	80
33	Agronomic Efficiency of Indian Rock Phosphates in Acidic Soils Employing Radiotracer Aâ€Value Technique. Communications in Soil Science and Plant Analysis, 2007, 38, 461-471.	0.6	11
34	Isolation of a starch utilizing, phosphate solubilizing fungus on buffered medium and its characterization. Bioresource Technology, 2007, 98, 3408-3411.	4.8	48
35	Advances in development of transgenic plants for remediation of xenobiotic pollutants. Biotechnology Advances, 2007, 25, 442-451.	6.0	211
36	Uranium Sorption byPseudomonasBiomass Immobilized in Radiation Polymerized Polyacrylamide Bio-Beads. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2006, 41, 487-500.	0.9	31

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37	Phenol removal using Brassica juncea hairy roots: Role of inherent peroxidase and H2O2. Journal of Biotechnology, 2006, 123, 43-49.	1.9	71
38	Cadmium accumulation and its influence on lipid peroxidation and antioxidative system in an aquatic plant, Bacopa monnieri L.. Chemosphere, 2006, 62, 233-246.	4.2	324
39	Phytoremediation of radiostrontium (90Sr) and radiocesium (137Cs) using giant milky weed (Calotropis gigantea R.Br.) plants. Chemosphere, 2006, 65, 2071-2073.	4.2	68
40	Optical microbial biosensor for detection of methyl parathion pesticide using Flavobacterium sp. whole cells adsorbed on glass fiber filters as disposable biocomponent. Biosensors and Bioelectronics, 2006, 21, 2100-2105.	5.3	119
41	Prospects of genetic engineering of plants for phytoremediation of toxic metals. Biotechnology Advances, 2005, 23, 97-114.	6.0	417
42	Removal of chromium by mucilaginous seeds of Ocimum basilicum. Bioresource Technology, 2004, 92, 151-155.	4.8	101
43	Immobilization of catalase by entrapment of permeabilized yeast cells in hen egg white using glutaraldehyde. Journal of Proteomics, 2004, 59, 61-64.	2.4	19
44	A cloth strip bioreactor with immobilized glucoamylase. Journal of Proteomics, 2002, 51, 151-159.	2.4	32
45	Immobilization of invertase on rice husk using polyethylenimine. Journal of Proteomics, 2002, 52, 59-62.	2.4	57
46	URANIUM(VI) BIOSORPTION BY DRIED ROOTS OFEICHHORNIA CRASSIPES(WATER HYACINTH). Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2001, 36, 1621-1631.	0.9	50
47	Microbial biosensors. Biosensors and Bioelectronics, 2001, 16, 337-353.	5.3	574
48	Immobilization and Stabilization of Biomaterials for Biosensor Applications. Applied Biochemistry and Biotechnology, 2001, 96, 225-238.	1.4	91
49	A simple approach for the simultaneous isolation and immobilization of invertase using crude extracts of yeast and Jack bean meal. Journal of Proteomics, 2000, 42, 133-135.	2.4	17
50	Immobilization of activated sludge for the degradation of phenol. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 1999, 34, 1689-1700.	0.9	22
51	Enhancement in the lysozyme activity of the hen egg white foam matrix by cross-linking in the presence of N-acetyl glucosamine. Journal of Proteomics, 1999, 39, 115-117.	2.4	13
52	Stabilization of alginate beads using radiation polymerized polyacrylamide. Journal of Proteomics, 1999, 40, 39-44.	2.4	14
53	Adaptive response of Haloferax mediterranei to low concentrations of NaCl (< 20%) in the growth medium. Archives of Microbiology, 1997, 168, 68-71.	1.0	86
54	A simple technique for the immobilization of lysozyme by cross-linking of hen egg white foam. Journal of Proteomics, 1993, 26, 143-147.	2.4	7

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55	A novel technique for the preparation of osmotically stabilized and permeabilized cells of extremely halophilic bacteria. Journal of Proteomics, 1992, 24, 239-247.	2.4	8
56	Immobilization of invertase through its carbohydrate moiety onOcimum basilicum seed. Applied Biochemistry and Biotechnology, 1992, 32, 159-170.	1.4	18
57	A method for the preparation of coimmobilizates by adhesion using polyethylenimine. Enzyme and Microbial Technology, 1991, 13, 508-511.	1.6	24
58	Hydrolysis of concentrated sucrose syrups by invertase immobilized on anion exchanger waste cotton thread. Enzyme and Microbial Technology, 1990, 12, 214-217.	1.6	30
59	Removal of glucose from egg prior to spray drying by fermentation with immobilized yeast cells. Biotechnology Letters, 1989, 11, 211-212.	1.1	12
60	Physico chemical alterations in desugared buffalo milk after fermentation withSaccharomyces fragilis. Applied Microbiology and Biotechnology, 1988, 29, 219-223.	1.7	2
61	Preparation of lactose free milk by fermentation using immobilizedSaccharomyces fragilis. Biotechnology Letters, 1988, 10, 427-430.	1.1	20
62	Cloth bioreactor containing yeast cells immobilized on cotton cloth using polythylenimine. Applied Microbiology and Biotechnology, 1988, 29, 136-140.	1.7	46
63	Cloth bioreactor containing yeast cells immobilized on cotton cloth using polythylenimine. Applied Microbiology and Biotechnology, 1988, 29, 136-140.	1.7	1
64	Physico chemical alterations in desugared buffalo milk after fermentation with Saccharomyces fragilis. Applied Microbiology and Biotechnology, 1988, 29, 219-223.	1.7	3
65	A rapid method for the purification of D-amino acid oxidase of Trigonopsis variabilis by hydrophobic chromatography. Biotechnology Letters, 1987, 1, 55-58.	0.5	10
66	Effect of permeabilization on the thermostability of catalase in immobilized yeast cells. Biotechnology Letters, 1987, 9, 625-628.	1.1	4
67	Ocimum basilicum seeds as a pellicular support for immobilizing enzymes. Biotechnology Letters, 1986, 8, 885-888.	1.1	11
68	Immobilization of yeast cells by adhesion to glass surface using polyethylenimine. Biotechnology Letters, 1986, 8, 643-648.	1.1	69
69	Immobilization of microbial cells in gelatine using gamma-irradiation. Indian Journal of Biochemistry and Biophysics, 1986, 23, 353-4.	0.2	5
70	Preparation and characterization of magnetic hen egg white beads containing coimmobilized glucose oxidase, magnetite and MnO2. Indian Journal of Biochemistry and Biophysics, 1986, 23, 240-1.	0.2	4
71	A method for the preparation of hen egg white beads containing immobilized biocatalysts. Biotechnology Letters, 1985, 7, 589-592.	1.1	26
72	Effect of modifying agents on immobilized alcohol dehydrogenase. Biotechnology and Bioengineering, 1984, 26, 544-545.	1.7	1

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73	Hydrolysis of milk lactose by immobilized ?-galactosidase-hen egg white powder. Biotechnology and Bioengineering, 1984, 26, 901-904.	1.7	24
74	Immobilization of fumarase by entrapment of rat liver mitochondria in polyacrylamide gel using gamma rays. Biotechnology and Bioengineering, 1983, 25, 217-224.	1.7	9
75	Bactericidal effect of hen egg white support: A step towards the use of self-sterilizing enzyme supports. Biotechnology and Bioengineering, 1983, 25, 887-889.	1.7	7
76	Cosmotic stabilization of mitochondria using chemical crosslinkers. Biotechnology and Bioengineering, 1983, 25, 1661-1664.	1.7	10
77	Binding of citrate synthase to mitochondrial inner membranes.. Journal of Biological Chemistry, 1983, 258, 4706-4709.	1.6	74
78	Binding of citrate synthase to mitochondrial inner membranes. Journal of Biological Chemistry, 1983, 258, 4706-9.	1.6	47
79	Immobilization of microbial cells in hen egg white. Biotechnology and Bioengineering, 1982, 24, 1701-1704.	1.7	17
80	Hen egg white: A novel support for the immobilization of enzymes. Biotechnology and Bioengineering, 1981, 23, 431-436.	1.7	22
81	Continuous conversion of sucrose to fructose and gluconic acid by immobilized yeast cell multienzyme complex. Biotechnology and Bioengineering, 1980, 22, 2179-2189.	1.7	37
82	Immobilized catalaseâ€containing yeast cells: Preparation and enzymatic properties. Biotechnology and Bioengineering, 1980, 22, 2191-2205.	1.7	26