Amin Karmali

List of Publications by Year
in descending order

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59 papers	737 citations	567281 15 h-index	610901 24 g-index
59 all docs	59 docs citations	59 times ranked	810 citing authors

#	Article	IF	Citations
1	A high throughput colorimetric assay of Î²-1,3-d-glucans by Congo red dye. Journal of Microbiological Methods, 2015, 109, 140-148.	1.6	53
2	Structure of Amidase from Pseudomonas aeruginosa Showing a Trapped Acyl Transfer Reaction Intermediate State. Journal of Biological Chemistry, 2007, 282, 19598-19605.	3.4	46
3	Production, purification and characterisation of polysaccharides from Pleurotus ostreatus with antitumour activity. Journal of the Science of Food and Agriculture, 2012, 92, 1826-1832.	3.5	39
4	Assay for glucose oxidase from Aspergillus niger and Penicillium amagasakiense by Fourier transform infrared spectroscopy. Analytical Biochemistry, 2004, 333, 320-327.	2.4	36
5	Production of laccase and xylanase from Coriolus versicolor grown on tomato pomace and their chromatographic behaviour on immobilized metal chelates. Process Biochemistry, 2008, 43, 1265-1274.	3.7	36
6	Optimisation and economic assessment of lipase-catalysed production of monoesters using Rhizomucor miehei lipase in a solvent-free system. Journal of Cleaner Production, 2016, 137, 953-964.	9.3	34
7	Application of Fourier transform infrared spectroscopy for monitoring hydrolysis and synthesis reactions catalyzed by a recombinant amidase. Analytical Biochemistry, 2005, 346, 49-58.	2.4	31
8	Biosensor for acrylamide based on an ion-selective electrode using whole cells ofPseudomonas aeruginosacontaining amidase activity. Biocatalysis and Biotransformation, 2009, 27, 143-151.	2.0	26
9	Substitutions of Thr-103-Ile and Trp-138-Gly in Amidase from Pseudomonas aeruginosa Are Responsible for Altered Kinetic Properties and Enzyme Instability. Molecular Biotechnology, 2001, 17, 201-212.	2.4	25
10	Supercritical CO2 Extracts and Volatile Oil of Basil (Ocimum basilicum L.) Comparison with Conventional Methods. Separations, 2018, 5, 21.	2.4	23
11	Glucose 1- and 2-oxidases from fungal strains: isolation and production of monoclonal antibodies. Journal of Biotechnology, 1999, 69, 151-162.	3.8	21
12	Measuring enzymatic activity of a recombinant amidase using Fourier transform infrared spectroscopy. Analytical Biochemistry, 2003, 322, 208-214.	2.4	20
13	A Sensitive Microplate Assay for Lipase Activity Measurement Using Olive Oil Emulsion Substrate: Modification of the Copper Soap Colorimetric Method. Journal of Oleo Science, 2016, 65, 775-784.	1.4	20
14	Proteinâ€“polysaccharides of Trametes versicolor: production and biological activities. Medicinal Chemistry Research, 2012, 21, 937-943.	2.4	19
15	Production, purification and characterization of laccase from Pleurotus ostreatus grown on tomato pomace. World Journal of Microbiology and Biotechnology, 2012, 28, 245-254.	3.6	16
16	Investigation of structural effects and behaviour of Pseudomonas aeruginosa amidase encapsulated in reversed micelles. Process Biochemistry, 2012, 47, 264-272.	3.7	15
17	Substitution of Glu-59 by Val in Amidase From Pseudomonas aeruginosa Results in a Catalytically Inactive Enzyme. Molecular Biotechnology, 2000, 16, 05-16.	2.4	14
18	Production of polygalacturonase from Coriolus versicolor grown on tomato pomace and its chromatographic behaviour on immobilized metal chelates. Journal of Industrial Microbiology and Biotechnology, 2008, 35, 475-484.	3.0	14

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19	Characterization of Monoclonal Antibodies Against Altered (T103I) Amidase From <I>Pseudomonas aeruginosa</I>. Molecular Biotechnology, 2005, 30, 207-220.	2.4	13
20	Screening of suitable immobilized metal chelates for adsorption of monoclonal antibodies against mutant amidase fromPseudomonas aeruginosa. Journal of Molecular Recognition, 2006, 19, 340-347.	2.1	13
21	Extraction of hemoglobin with calixarenes and biocatalysis in organic media of the complex with pseudoactivity of peroxidase. Journal of Molecular Catalysis B: Enzymatic, 2010, 62, 96-103.	1.8	13
22	An Electrochemical Biosensor for Acrylamide Determination: Merits and Limitations. Portugaliae Electrochimica Acta, 2011, 29, 361-373.	1.1	13
23	One-step affinity purification of urease from jack beans. Biochimie, 1988, 70, 1369-1372.	2.6	12
24	One-step purification and properties of catalase from leaves of Zantedeschia aethiopica. Biochimie, 1988, 70, 1759-1764.	2.6	12
25	Immobilized Metal Affinity Chromatography of Monoclonal Immunoglobulin M Against Mutant Amidase From Pseudomonas aeruginosa. Molecular Biotechnology, 2006, 33, 103-114.	2.4	12
26	Production and chromatographic behaviour of polygalacturonase from Pleurotus ostreatus on immobilized metal chelates. Process Biochemistry, 2008, 43, 531-539.	3.7	12
27	One-step affinity purification of amidase from mutant strains of Pseudomonas aeruginosa. Biochimie, 1989, 71, 1179-1184.	2.6	11
28	The use of Fourier transform infrared spectroscopy to assay for urease from Pseudomonas aeruginosa and Canavalia ensiformis. Analytical Biochemistry, 2004, 331, 115-121.	2.4	11
29	Kinetic properties of wild-type and altered recombinant amidases by the use of ion-selective electrode assay method. Analytical Biochemistry, 2006, 355, 232-239.	2.4	10
30	Bioconversion of d-glucose into d-glucosone by Glucose 2-oxidase from Coriolus versicolor at Moderate Pressures. Applied Biochemistry and Biotechnology, 2011, 163, 906-917.	2.9	10
31	Chromatographic behaviour of glucose 1- and 2-oxidases from fungal strains on immobilized metal chelates. Journal of Industrial Microbiology and Biotechnology, 1998, 21, 57-64.	3.0	8
32	Production of hydroxamic acids by immobilized Pseudomonas aeruginosa cells: Kinetic analysis in reverse micelles. Journal of Molecular Catalysis B: Enzymatic, 2013, 93, 28-33.	1.8	8
33	Monoclonal antibodies against urease from Canavalia ensiformis. Biochimie, 1993, 75, 1001-1006.	2.6	7
34	Monoclonal Antibodies Recognize Conformational Epitopes on Wild-type and Recombinant Mutant Amidases from Pseudomonas aeruginosa. Molecular Biotechnology, 2007, 37, 136-145.	2.4	7
35	Human alfa-fetoprotein: isolation and production of monoclonal antibodies. Biochimie, 1990, 72, 369-374.	2.6	6
36	A Monoclonal Antibody Specific for Pseudomonas aeruginosa Amidase. Hybridoma, 2001, 20, 273-279.	0.6	6

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37	A novel colorimetric assay of Î²â€‹scp›D‹/scp›â€‹glucans in basidiomycete strains by alcian blue dye in a 96â€‹well microtiter plate. Biotechnology Progress, 2015, 31, 1526-1535.	2.6	6
38	Purification and properties of peroxidase fromPinus pinaster needles. Biochimie, 1988, 70, 1373-1377.	2.6	5
39	Amidase encapsulated in TTAB reversed micelles for the study of transamidation reactions. Biocatalysis and Biotransformation, 2005, 23, 407-414.	2.0	5
40	Development of a biosensor for urea assay based on amidase inhibition, using an ion-selective electrode. Biocatalysis and Biotransformation, 2011, 29, 130-140.	2.0	5
41	Purification and Partial Characterization of Peroxidases from Three Food Waste By-Products: Broad Bean Pods, Pea Pods, and Artichoke Stems. Applied Biochemistry and Biotechnology, 2019, 189, 576-588.	2.9	5
42	Pseudomonas aeruginosa amidase: Aggregation in recombinant ‹i›Escherichia coli‹/i›. Biotechnology Journal, 2011, 6, 888-897.	3.5	4
43	The extracts of Gentiana lutea with potential cytotoxic effects on human carcinoma cell lines: A preliminary study. European Journal of Integrative Medicine, 2019, 27, 34-38.	1.7	4
44	Extraction of Phenolic Compounds from Olive Leaf Extracts and Their Effect on Proliferation of Human Carcinoma Cell Lines. Agricultural Sciences, 2019, 10, 1271-1285.	0.3	4
45	Production and Characterization of a Specific Rubisco Monoclonal Antibody, and Its Use in Rubisco Quantification During ‹i›Zantedeschia aethiopica‹/i› Spathe Development. Hybridoma, 1999, 18, 203-209.	0.6	3
46	Crystallization, diffraction data collection and preliminary crystallographic analysis of hexagonal crystals ofPseudomonas aeruginosaamidase. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 214-216.	0.7	3
47	Chromatographic behaviour of monoclonal antibodies against wild-type amidase from Pseudomonas aeruginosa on immobilized metal chelates. Biomedical Chromatography, 2011, 25, 1327-1337.	1.7	3
48	Bioconversion of d-glucose into d-glucosone by immobilized glucose 2-oxidase from Coriolus versicolor at moderate pressures. Process Biochemistry, 2011, 46, 168-173.	3.7	3
49	Detection of FRET signals with a wavelength sensitive device based on a-SiC:H. Applied Surface Science, 2013, 275, 49-53.	6.1	3
50	Novel polyol-responsive monoclonal antibodies against extracellularÎ²-d-glucans fromPleurotus ostreatus. Biotechnology Progress, 2016, 32, 116-125.	2.6	3
51	Development of a flow injection analytical system for short chain amide determination based on a tubular bioreactor and an ammonium sensor. Analyst, The, 2018, 143, 3859-3866.	3.5	3
52	Generation of high-affinity monoclonal antibodies of IgG class against native Î²-d-glucans from basidiomycete mushrooms. Process Biochemistry, 2016, 51, 333-342.	3.7	2
53	Improved purification and properties of glucose dehydrogenase fromBacillus subtilis. Biochimie, 1988, 70, 1401-1409.	2.6	1
54	Purification and Characterization of Monoclonal Antibodies Against the Free Î±-Subunit of Human Chorionic Gonadotrophin. Molecular Biotechnology, 2001, 17, 119-128.	2.4	1

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55	Substrate interaction with recombinant amidase fromPseudomonas aeruginosaduring biocatalysis. Biocatalysis and Biotransformation, 2009, 27, 367-376.	2.0	1
56	Potentiometric biosensor for acrylamide determination in wastewater using wild type amidase fromPseudomonas aeruginosa. WIT Transactions on Ecology and the Environment, 2008, , .	0.0	1
57	Membrane Selectivity versus Sensor Response in Hydrogenated Amorphous Silicon CHEMFETs Using a Semi-Empirical Model. Journal of Nanoscience and Nanotechnology, 2011, 11, 8844-8847.	0.9	0
58	Non-enzymatic assay for glucose by using immobilized whole-cells of E. coli containing glucose binding protein fused to fluorescent proteins. Sensors and Actuators B: Chemical, 2015, 221, 236-241.	7.8	0
59	Field Effect and Light-Assisted a-Si:H Sensors for Detection of Ions in Solution. Sensor Letters, 2010, 8, 493-496.	0.4	0