

Anju Chadha

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Self-Assembled Inhalable Immunomodulatory Silk Fibroin Nanocarriers for Enhanced Drug Loading and Intracellular Antibacterial Activity. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 708-721.	5.2	8
2	Purification and characterisation of (S)-specific alcohol dehydrogenase from <i>Candida parapsilosis</i> ATCC 7330. <i>Biochemical Engineering Journal</i> , 2022, 181, 108406.	3.6	2
3	Substrate selectivity and kinetic studies of (S)-specific alcohol dehydrogenase purified from <i>Candida parapsilosis</i> ATCC 7330. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 43, 102410.	3.1	2
4	Yeast supported gold nanoparticles: an efficient catalyst for the synthesis of commercially important aryl amines. <i>New Journal of Chemistry</i> , 2021, 45, 1915-1923.	2.8	18
5	Imine reduction by an Ornithine cyclodeaminase/1/4-crystallin homolog purified from <i>Candida parapsilosis</i> ATCC 7330. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2021, 31, e00664.	4.4	1
6	Microbial Synthesis of Gold Nanoparticles and Their Applications as Catalysts. , 2021, , 1081-1108.		2
7	The Complexity of Microbial Metal Nanoparticle Synthesis: A Study of <i>Candida parapsilosis</i> ATCC 7330 mediated Gold Nanoparticles Formation. <i>BioNanoScience</i> , 2021, 11, 336-344.	3.5	3
8	New insights into the stereospecific reduction by an (S) specific carbonyl reductase from <i>Candida parapsilosis</i> ATCC 7330: experimental and QM/MM studies. <i>Catalysis Science and Technology</i> , 2020, 10, 5925-5934.	4.1	5
9	Production of bioactive cyclotides: a comprehensive overview. <i>Phytochemistry Reviews</i> , 2020, 19, 787-825.	6.5	15
10	Microbial Synthesis of Gold Nanoparticles and Their Applications as Catalysts. , 2020, , 1-28.		1
11	Ultrasensitive detection of antigen-antibody interaction and triglycerides in liquid ambient using polysilicon cantilevers. <i>Journal of Micromechanics and Microengineering</i> , 2020, 30, 125002.	2.6	2
12	Understanding (R) Specific Carbonyl Reductase from <i>Candida parapsilosis</i> ATCC 7330 [CpCR]: Substrate Scope, Kinetic Studies and the Role of Zinc. <i>Catalysts</i> , 2019, 9, 702.	3.5	9
13	Pharmacophore based approach to screen and evaluate novel Mycobacterium cell division inhibitors targeting FtsZ - A modelling and experimental study. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 135, 103-112.	4.0	12
14	Docosahexaenoic acid production by a novel high yielding strain of <i>Thraustochytrium</i> sp. of Indian origin: Isolation and bioprocess optimization studies. <i>Algal Research</i> , 2018, 32, 93-100.	4.6	24
15	Immobilizing Siderophores on Solid Surfaces for Bacterial Detection. <i>Journal of the Electrochemical Society</i> , 2018, 165, B3017-B3022.	2.9	10
16	Production of bioactive cyclotides in somatic embryos of <i>Viola odorata</i> . <i>Phytochemistry</i> , 2018, 156, 135-141.	2.9	14
17	Understanding substrate specificity and enantioselectivity of carbonyl reductase from <i>Candida parapsilosis</i> ATCC 7330 (CpCR): Experimental and modeling studies. <i>Molecular Catalysis</i> , 2018, 460, 40-45.	2.0	8
18	A simple metal free highly diastereoselective synthesis of heteroaryl substituted ($\Delta\pm$) cyclohexanols by a branched domino reaction. <i>Tetrahedron</i> , 2018, 74, 204-216.	1.9	12

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19	Effects of organic and inorganic salts on docosahexaenoic acid (DHA) production by a locally isolated strain of <i>Thraustochytrium</i> sp. T01. <i>Preparative Biochemistry and Biotechnology</i> , 2018, 48, 599-604.	1.9	5
20	Diffusion of Solvent-Separated Ion Pairs Controls Back Electron Transfer Rate in Graphene Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2018, 122, 15819-15825.	3.1	4
21	H-Bonding controls the emission properties of functionalized carbon nano-dots. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7288-7296.	2.8	74
22	A carbonyl reductase from <i>Candida parapsilosis</i> ATCC 7330: substrate selectivity and enantiospecificity. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4165-4171.	2.8	15
23	Callus and cell suspension culture of <i>Viola odorata</i> as in vitro production platforms of known and novel cyclotides. <i>Plant Cell, Tissue and Organ Culture</i> , 2017, 130, 289-299.	2.3	13
24	Cyclotides from the Indian Medicinal Plant <i>Viola odorata</i> (Banafsha): Identification and Characterization. <i>Journal of Natural Products</i> , 2017, 80, 1972-1980.	3.0	27
25	Phospholipid stabilized gold nanorods: towards improved colloidal stability and biocompatibility. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 18494-18504.	2.8	25
26	Preparation, characterisation, and crystal structure analysis of		

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37	Regio- and enantioselective reduction of diketones: preparation of enantiomerically pure hydroxy ketones catalysed by <i>Candida parapsilosis</i> ATCC 7330. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 1167-1173.	1.8	16
38	Preparation of enantiomerically enriched (S)-ethyl 3-hydroxy 4,4,4-trifluorobutanoate using whole cells of <i>Candida parapsilosis</i> ATCC 7330. <i>Journal of Fluorine Chemistry</i> , 2015, 169, 66-71.	1.7	8
39	Crystal structure of (E)-1,3-bis(6-methoxynaphthalen-2-yl)prop-2-en-1-one. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o884-o885.	0.5	2
40	Regio- and enantio-selective oxidation of diols by <i>Candida parapsilosis</i> ATCC 7330. <i>RSC Advances</i> , 2014, 4, 60526-60533.	3.6	10
41	Utilization of whole cell mediated deracemization in a chemoenzymatic synthesis of enantiomerically enriched polycyclic chromeno[4,3-b] pyrrolidines. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4682.	2.8	15
42	Enantioselective oxidation of secondary alcohols by <i>Candida parapsilosis</i> ATCC 7330. <i>RSC Advances</i> , 2014, 4, 2257-2262.	3.6	10
43	BSA binding to silica capped gold nanostructures: effect of surface cap and conjugation design on nanostructure-BSA interface. <i>RSC Advances</i> , 2014, 4, 1412-1420.	3.6	28
44	Miniaturised silicon biosensors for the detection of triglyceride in blood serum. <i>Analytical Methods</i> , 2014, 6, 1728-1735.	2.7	19
45	Disaggregation induced solvatochromic switch: A study of dansylated polyglycerol dendrons in binary solvent mixture. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 128, 351-356.	3.9	3
46	A simple and efficient method for mild and selective oxidation of propargylic alcohols using TEMPO and calcium hypochlorite. <i>RSC Advances</i> , 2013, 3, 14929.	3.6	8
47	Asymmetric Reduction of Alkyl-3-oxobutanoates by <i>Candida parapsilosis</i> ATCC 7330: Insights into Solvent and Substrate Optimisation of the Biocatalytic Reaction. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 756-770.	2.9	14
48	A novel green route for the synthesis of N-phenylacetamides, benzimidazoles and acridinediones using <i>Candida parapsilosis</i> ATCC 7330. <i>RSC Advances</i> , 2013, 3, 21972.	3.6	8
49	A Miniaturized pH Sensor With an Embedded Counter Electrode and a Readout Circuit. <i>IEEE Sensors Journal</i> , 2013, 13, 1941-1948.	4.7	16
50	Expression, purification, crystallization and preliminary X-ray diffraction analysis of carbonyl reductase from <i>Candida parapsilosis</i> ATCC 7330. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 313-315.	0.7	12
51	Biocatalytic reduction of $\hat{\pm}$ -keto amides to (R)- $\hat{\pm}$ -hydroxy amides using <i>Candida parapsilosis</i> ATCC 7330. <i>Catalysis Today</i> , 2012, 198, 345-352.	4.4	22
52	Stereochemical preference of <i>Candida parapsilosis</i> ATCC 7330 mediated deracemization: E- versus Z-aryl secondary alcohols. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 1360-1368.	1.8	20
53	Simplified Procedure for TEMPO-Catalyzed Oxidation: Selective Oxidation of Alcohols, $\hat{\pm}$ -Hydroxy Esters, and Amides Using TEMPO and Calcium Hypochlorite. <i>Synthetic Communications</i> , 2012, 42, 3493-3503.	2.1	20
54	Kinetic Studies of Base-Catalyzed Transesterification Reactions of Non-edible Oils To Prepare Biodiesel: The Effect of Co-solvent and Temperature. <i>Energy & Fuels</i> , 2011, 25, 2826-2832.	5.1	52

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55	Chemoselective Reduction and Transesterification of $\hat{\pm}$ -Keto Propargylic Esters Mediated by NaBH ₄ and CeCl ₃ ·7H ₂ O. <i>Synthetic Communications</i> , 2011, 41, 2350-2358.	2.1	6
56	Synthesis of both enantiomers of ethyl-4-chloro-3-hydroxybutanoate from a prochiral ketone using <i>Candida parapsilosis</i> ATCC 7330. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1548-1552.	1.8	16
57	One-pot synthesis of enantiomerically pure 1, 2-diols: asymmetric reduction of aromatic $\hat{\pm}$ -oxoaldehydes catalysed by <i>Candida parapsilosis</i> ATCC 7330. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 2156-2160.	1.8	30
58	Potentiometric estimation of blood analytes—triglycerides and urea: Comparison with clinical data and estimation of urea in milk using an electrolyte—insulator—semiconductor—capacitor (EISCAP). <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 1439-1443.	7.8	17
59	Photophysical investigation of microenvironment in glycerol based dansylated polyether dendrons. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 217, 411-416.	3.9	4
60	<i>Candida parapsilosis</i> ATCC 7330 can also deracemise 1-arylethanol. <i>Biocatalysis and Biotransformation</i> , 2011, 29, 262-270.	2.0	15
61	Biocatalytic deracemization of alkyl-2-hydroxy-4-arylbut-3-ynoates using whole cells of <i>Candida parapsilosis</i> ATCC 7330. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2973-2980.	1.8	25
62	Asymmetric synthesis of (S)-ethyl-4-chloro-3-hydroxybutanoate using <i>Candida parapsilosis</i> ATCC 7330. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2010, 37, 159-165.	3.0	35
63	Dynamic response of polysilicon microcantilevers to enzymatic hydrolysis of urea. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2010, 2, 17-22.	1.1	4
64	A Novel Method for Monitoring the Transesterification Reaction of Oil in Biodiesel Production by Estimation of Glycerol. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2010, 87, 747-754.	1.9	15
65	<i>Pseudomonas cepacia</i> lipase catalyzed esterification and transesterification of 3-(furan-2-yl) propanoic acid/ethyl ester: A comparison in ionic liquids vs hexane. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 65, 68-72.	1.8	19
66	Synthesis and Aggregation Properties of Dansylated Glycerol-Based Amphiphilic Polyether Dendrons. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5030-5040.	2.4	6
67	Resolution of N-protected amino acid esters using whole cells of <i>Candida parapsilosis</i> ATCC 7330. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 457-460.	1.8	21
68	Packaged bulk micromachined triglyceride biosensor. , 2010, , .		2
69	Comparison of a potentiometric and a micromechanical triglyceride biosensor. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1276-1280.	10.1	35
70	Miniaturization of EISCAP sensor for triglyceride detection. <i>Journal of Materials Science: Materials in Medicine</i> , 2009, 20, 229-234.	3.6	11
71	Novel applications of silicon and porous silicon based EISCAP biosensors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 1369-1373.	1.8	14
72	The role of different anions in ionic liquids on <i>Pseudomonas cepacia</i> lipase catalyzed transesterification and hydrolysis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 57, 145-148.	1.8	46

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73	MEMS Composite Porous Silicon/Polysilicon Cantilever Sensor for Enhanced Triglycerides Biosensing. <i>IEEE Sensors Journal</i> , 2009, 9, 1660-1666.	4.7	31
74	Covalent immobilization of <i>Pseudomonas cepacia</i> lipase on semiconducting materials. <i>Applied Surface Science</i> , 2008, 254, 4512-4519.	6.1	50
75	Asymmetric reduction of aryl imines using <i>Candida parapsilosis</i> ATCC 7330. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 93-96.	1.8	61
76	Enantiomerically pure allylic alcohols: preparation by <i>Candida parapsilosis</i> ATCC 7330 mediated deracemisation. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1698-1701.	1.8	46
77	Preparation of optically pure alkyl 3-(hetero-2-yl)-3-hydroxypropanoates by <i>Candida parapsilosis</i> ATCC 7330 mediated deracemisation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 52-53, 168-172.	1.8	18
78	Studies on cantilever based triglyceride biosensor. , 2007, , .		3
79	Preparation of optically pure (3E,5E)-alkyl-2-hydroxy-6-arylhexa-3,5-dienoates by <i>Candida parapsilosis</i> ATCC 7330 mediated deracemisation of the racemates. <i>Tetrahedron</i> , 2007, 63, 4126-4133.	1.9	19
80	Preparation of enantiomerically pure (3E)-alkyl-4-(hetero-2-yl)-2-hydroxybut-3-enoates by <i>Candida parapsilosis</i> ATCC 7330 mediated deracemisation and determination of the absolute configuration of (3E)-ethyl-4-(thiophene-2-yl)-2-hydroxybut-3-enoate. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1077-1084.	1.8	30
81	Deracemisation of \hat{I}^2 -hydroxy esters using immobilised whole cells of <i>Candida parapsilosis</i> ATCC 7330: substrate specificity and mechanistic investigation. <i>Tetrahedron</i> , 2006, 62, 5133-5140.	1.9	48
82	Kinetics of base-catalyzed transesterification of triglycerides from <i>Pongamia</i> oil. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2006, 83, 873-877.	1.9	51
83	Deracemisation of aromatic \hat{I}^2 -hydroxy esters using immobilised whole cells of <i>Candida parapsilosis</i> ATCC 7330 and determination of absolute configuration by 1H NMR. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 2790-2798.	1.8	44
84	Deracemisation of aryl substituted \hat{I}^{\pm} -hydroxy esters using <i>Candida parapsilosis</i> ATCC 7330: effect of substrate structure and mechanism. <i>Tetrahedron</i> , 2005, 61, 12296-12306.	1.9	50
85	Preparation of biodiesel from crude oil of <i>Pongamia pinnata</i> . <i>Bioresource Technology</i> , 2005, 96, 1425-1429.	9.6	506
86	Asymmetric Reduction of Alkyl 2-Oxo-4-arylbutanoates and -but-3-enoates by <i>Candida parapsilosis</i> ATCC 7330: Assignment of the Absolute Configuration of Ethyl 2-Hydroxy-4-(p-methylphenyl)but-3-enoate by 1H NMR. <i>ChemInform</i> , 2005, 36, no.	0.0	0
87	Rapid and Simple Method of Monoacylation of Polyols by \hat{I}^2 -Ketoesters Using Microwave Irradiation.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
88	Solid state potentiometric sensor for the estimation of tributyrin and urea. <i>Sensors and Actuators B: Chemical</i> , 2005, 107, 418-423.	7.8	44
89	Rapid and Simple Method of Monoacylation of Polyols by \hat{I}^2 -Ketoesters Using Microwave Irradiation. <i>Synthetic Communications</i> , 2005, 35, 1151-1160.	2.1	3
90	Highly stereoselective reduction of 4-Aryl-2-oxo but-3-enoic carboxylic esters by plant cell culture of <i>Daucus carota</i> . <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 27, 13-17.	1.8	35

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91	Microbial deracemisation of aromatic $\hat{1}^2$ -hydroxy acid esters. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 29, 25-29.	1.8	47
92	Kinetic study of the base-catalyzed transesterification of monoglycerides from pongamia oil. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2004, 81, 425-430.	1.9	59
93	Asymmetric reduction of alkyl 2-oxo-4-arylbutanoates and -but-3-enoates by <i>Candida parapsilosis</i> ATCC 7330: assignment of the absolute configuration of ethyl 2-hydroxy-4-(p-methylphenyl)but-3-enoate by ^1H NMR. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 3961-3966.	1.8	45
94	Synthesis of hydrocinnamic esters by <i>Pseudomonas cepacia</i> lipase. <i>Enzyme and Microbial Technology</i> , 2003, 32, 485-490.	3.2	31
95	Estimation of triglycerides by a porous silicon based potentiometric biosensor. <i>Current Applied Physics</i> , 2003, 3, 155-161.	2.4	47
96	Biocatalytic deracemisation of $\hat{1}^{\pm}$ -hydroxy esters: high yield preparation of (S)-ethyl 2-hydroxy-4-phenylbutanoate from the racemate. <i>Tetrahedron: Asymmetry</i> , 2002, 13, 1461-1464.	1.8	64
97	<i>Pseudomonas cepacia</i> lipase-mediated transesterification reactions of hydrocinnamates. <i>Indian Journal of Biochemistry and Biophysics</i> , 2002, 39, 259-63.	0.0	4
98	Porous silicon based potentiometric triglyceride biosensor. <i>Biosensors and Bioelectronics</i> , 2001, 16, 313-317.	10.1	107
99	Syntheses and Identification of Benzo[<i>c</i>]Chrysene Metabolites. <i>Polycyclic Aromatic Compounds</i> , 2000, 16, 255-264.	2.6	4
100	The proximate carcinogen trans-3,4-dihydroxy-3,4-dihydro-dibenz[<i>c,h</i>]acridine is oxidized stereoselectively and regioselectively by cytochrome 1A1, epoxide hydrolase and hepatic microsomes from 3-methylcholanthrene-treated rats. <i>Chemico-Biological Interactions</i> , 1999, 122, 117-135.	4.0	1
101	Mechanism of Lithium Perchlorate/Diethyl Ether-Catalyzed Rearrangement of $\hat{1}^{\pm}$ - and $\hat{1}^2$ -endo- and -exo-Dicyclopentadienyl Vinyl Ethers: A Use of Deuterium Labeling and a Chiral Probe. <i>Journal of Organic Chemistry</i> , 1998, 63, 5318-5323.	3.2	11
102	Asymmetric reduction of 2-oxo-4-phenylbutanoic acid ethyl ester by <i>Daucus carota</i> cell cultures. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 1571-1572.	1.8	46
103	Enzymatic resolution of 2-hydroxy-4-phenylbutanoic acid and 2-hydroxy-4-phenylbutenoic acid. <i>Tetrahedron: Asymmetry</i> , 1995, 6, 651-652.	1.8	44
104	A facile enzyme assisted route to (R) - and (S)-t-butyloxirane and related $\hat{1}^2$ -amino alcohols - catalysts for the enantioselective addition of dialkylzinc reagents to aldehydes. <i>Tetrahedron: Asymmetry</i> , 1993, 4, 1449-1450.	1.8	10
105	Structures of covalent nucleoside adducts formed from adenine, guanine, and cytosine bases of DNA and the optically active bay-region 3,4-diol 1,2-epoxides of benz[<i>a</i>]anthracene. <i>Journal of Organic Chemistry</i> , 1993, 58, 4013-4022.	3.2	31
106	Covalent nucleoside adducts of benzo[<i>a</i>]pyrene 7,8-diol 9,10-epoxides: structural reinvestigation and characterization of a novel adenosine adduct on the ribose moiety. <i>Journal of Organic Chemistry</i> , 1991, 56, 20-29.	3.2	128
107	Covalent Bonding of Bay-Region Diol Epoxides to Nucleic Acids. <i>Advances in Experimental Medicine and Biology</i> , 1991, 283, 533-553.	1.6	76
108	Structures of covalent nucleoside adducts formed from adenine, guanine, and cytosine bases of DNA and the optically active bay-region 3,4-diol 1,2-epoxides of dibenz[<i>a,j</i>]anthracene. <i>Journal of the American Chemical Society</i> , 1989, 111, 5456-5463.	13.7	40

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109	Metabolism of 1,8-Cineole in Rat: Its effects on liver and lung microsomal cytochrome P-450 systems. Bulletin of Environmental Contamination and Toxicology, 1986, 37, 759-766.	2.7	37
110	Metabolism of geraniol and linalool in the rat and effects on liver and lung microsomal enzymes. Xenobiotica, 1984, 14, 365-374.	1.1	98
111	¶-Hydroxylation of acyclic monoterpene alcohols by rat lung microsomes. Biochemical and Biophysical Research Communications, 1982, 108, 1271-1277.	2.1	41