

Ahindra Nag

List of Publications by Year in descending order

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papers

518
citations

759233

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677142

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39
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citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymatic synthesis of fruit flavor esters by immobilized lipase from <i>Rhizopus oligosporus</i> optimized with response surface methodology. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 60, 57-63.	1.8	92
2	Extraction of betel leaves (<i>Piper betle</i> L.) essential oil and its bio-actives identification: Process optimization, GC-MS analysis and anti-microbial activity. <i>Industrial Crops and Products</i> , 2019, 138, 111578.	5.2	62
3	Factors Affecting the Resolution of dl-Menthol by Immobilized Lipase-Catalyzed Esterification in Organic Solvent. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 262-265.	5.2	41
4	Selective Reduction of Conjugated Ethylenic Linkage in the Presence of Ion-Exchange Resin Bound Borohydride. <i>Synthetic Communications</i> , 1987, 17, 1007-1013.	2.1	27
5	Self-assembled cardanol azo derivatives as antifungal agent with chitin-binding ability. <i>International Journal of Biological Macromolecules</i> , 2014, 69, 5-11.	7.5	25
6	Kinetics of solvent-free geranyl acetate synthesis by <i>Rhizopus oligosporus</i> NRRL 5905 lipase immobilized on to cross-linked silica. <i>Biocatalysis and Biotransformation</i> , 2009, 27, 124-130.	2.0	23
7	Production of PUFA Concentrates from Poultry and Fish Processing Waste. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2011, 88, 589-593.	1.9	22
8	Chemical modification of nitrile rubber in the latex stage by functionalizing phosphorylated cardanol prepolymer: A bio-based plasticizer and a renewable resource. <i>Journal of Elastomers and Plastics</i> , 2019, 51, 99-129.	1.5	17
9	New greener alternatives for bioreduction of aromatic aldehydes and decarboxylation of aromatic acids using juice of fruits. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 82, 92-95.	1.8	16
10	Stabilization of flaxseed oil with capsicum antioxidant. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2000, 77, 799-800.	1.9	15
11	Optimization of the exhaustive hydrodistillation method in the recovery of essential oil from fresh and cured betel leaves (<i>Piper betle</i> L.) using the Box-Behnken design. <i>Journal of Food Processing and Preservation</i> , 2019, 43, e14196.	2.0	15
12	FUNCTIONALIZATION OF ACRYLONITRILE BUTADIENE RUBBER WITH META-PENTADECENYL PHENOL, A MULTIFUNCTIONAL ADDITIVE AND A RENEWABLE RESOURCE. <i>Rubber Chemistry and Technology</i> , 2017, 90, 683-698.	1.2	15
13	Utilization of Three Non-Edible Vegetable Oils for the Production of Biodiesel Catalysed by Enzyme. <i>Open Chemical Engineering Journal</i> , 2008, 2, 79-83.	0.5	13
14	SYNTHESIS OF BIOSURFACTANTS FROM NATURAL RESOURCES. <i>Journal of Food Biochemistry</i> , 2011, 35, 747-758.	2.9	12
15	One Pot Synthesis of Biscoumarins and Pyranocoumarins by Coconut Juice as a Natural Catalyst. <i>Current Organocatalysis</i> , 2019, 6, 20-27.	0.5	11
16	CSJ acting as a versatile highly efficient greener resource for organic transformations. <i>RSC Advances</i> , 2016, 6, 24446-24450.	3.6	10
17	Occurrence and persistence of diacetyl in unfermented and fermented milks. <i>European Food Research and Technology</i> , 2013, 236, 691-697.	3.3	9
18	Functionalization of styrene-butadiene rubber with meta-pentadecenyl phenol for better processing: A multifunctional additive and renewable resource. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45150.	2.6	9

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19	Water Extract of <i>Tamarindus Indica</i> Seed Ash: An Agro-Waste Green Medium for One-Pot Three-Component Approach for the Synthesis of 4-H-Pyran Derivatives. Polycyclic Aromatic Compounds, 2022, 42, 3302-3317.	2.6	9
20	Lipase-catalyzed synthesis of 4-methoxy cinnamoyl glycerol. Journal of Molecular Catalysis B: Enzymatic, 2011, 73, 5-8.	1.8	8
21	Enzymatic synthesis and analytical monitoring of terpene ester by ¹ H NMR spectroscopy. Chemical Papers, 2011, 65, .	2.2	8
22	Cardanol Functionalized Carboxylated Acrylonitrile Butadiene Rubber for Better Processability, Technical Properties and Biocompatibility. Journal of Polymers and the Environment, 2019, 27, 1878-1896.	5.0	8
23	Antibacterial coating on in-line suction respiratory catheter to inhibit the bacterial biofilm formation using renewable cardanyl methacrylate copolymer. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 365-379.	3.5	7
24	Self-Assembled Tea Tannin Graft Copolymer as Nanocarriers for Antimicrobial Drug Delivery and Wound Healing Activity. Journal of Nanoscience and Nanotechnology, 2018, 18, 2361-2369.	0.9	6
25	MWCNTs@ZrO ₂ as a reusable heterogeneous catalyst for the synthesis of <i>N</i> -heterocyclic scaffolds under green reaction medium. Applied Organometallic Chemistry, 2020, 34, e5906.	3.5	6
26	Physico-chemical studies and optimization of gallic acid production from the seed coat of Terminalia bellerica Roxb.. Annals of Microbiology, 2011, 61, 649-654.	2.6	5
27	Isolation and catalytic actions of polyphenoloxidase from sunflower seeds (<i>Helianthus annuus</i>). European Food Research and Technology, 2010, 230, 405-410.	3.3	4
28	Limits and potentials of African red palm oils purchased from European ethnic food stores. European Food Research and Technology, 2017, 243, 1239-1248.	3.3	4
29	PHYSICO-MECHANICAL AND DYNAMIC MECHANICAL PROPERTIES OF META-PENTADECENYL PHENOL FUNCTIONALIZED ACRYLONITRILE-BUTADIENE RUBBER NANOCCLAY COMPOSITES. Rubber Chemistry and Technology, 2019, 92, 496-512.	1.2	4
30	Natural preservative efficacy of cured betel leaf essential oil for sapota juice: Effect on physicochemical, microbial, and sensory properties. Journal of Food Processing and Preservation, 2021, 45, e15927.	2.0	4
31	Studies on PLE catalysed hydrolysis: Dependence on substituent flexibility. Biotechnology Letters, 1995, 17, 1099-1100.	2.2	3
32	Radical scavenging and antibacterial activity of caffemides against gram positive, gram negative and clinical drug resistance bacteria. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5943-5946.	2.2	3
33	Cryo-Ground Mango Kernel Powder: Characterization, LC-MS/MS Profiling, Purification of Antioxidant-Rich Gallic Acid, and Molecular Docking Study of Its Major Polyphenols as Potential Inhibitors against SARS-CoV-2 Mpro. ACS Food Science & Technology, 0, , .	2.7	2
34	Hydration of inorganic solid powder in the presence and absence of polar and nonpolar oil. JAOCS, Journal of the American Oil Chemists' Society, 1992, 69, 925-929.	1.9	1
35	Comparison of catalytic activities between esterase and lipase in the synthesis of drugs and flavor and amide compounds. Pharmaceutical Chemistry Journal, 2008, 42, 281-283.	0.8	1
36	EFFICIENT CONVERSION OF CALCUTTA MUNICIPAL SOLID WASTE TO FUEL OIL BY CATALYTIC HYDROGENATION. Petroleum Science and Technology, 1992, 10, 117-138.	0.2	0

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37	IN SEARCH OF COAL EFFICIENCY. <i>Petroleum Science and Technology</i> , 1994, 12, 1387-1392.	0.2	0
38	Synthesis of β -Amino Alcohols from Value-Added Plant-Polyphenols Using ACC as a Green Reaction Medium and Mechanistic Study from DFT Analysis. <i>Polycyclic Aromatic Compounds</i> , 0, , 1-13.	2.6	0