

Mohd Basyaruddin Abdul Rahman

List of Publications by Year
in descending order

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175
papers

3,461
citations

126901
33
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176
all docs

176
docs citations

176
times ranked

4126
citing authors

#	ARTICLE	IF	CITATIONS
1	Density functional theory and molecular dynamics simulation studies of bio-based fatty hydrazide-corrosion inhibitors on Fe (1 1 0) in acidic media. <i>Journal of Molecular Liquids</i> , 2022, 347, 118321.	4.9	18
2	Solution combustion synthesis of Ni-based hybrid metal oxides for oxygen evolution reaction in alkaline medium. <i>RSC Advances</i> , 2022, 12, 1694-1703.	3.6	10
3	Recent advances in the conversion of lignocellulosic biomass and its degraded products to levulinic acid: A synergy of Brønsted-Lowry acid and Lewis acid. <i>Industrial Crops and Products</i> , 2022, 181, 114778.	5.2	14
4	Dissolution and Biological Assessment of Cancer-Targeting Nano-ZIF-8 in Zebrafish Embryos. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 2445-2454.	5.2	8
5	Biodegradable Carbonate Apatite Nanoparticle as a Delivery System to Promote Afatinib Delivery for Non-Small Cell Lung Cancer Treatment. <i>Pharmaceutics</i> , 2022, 14, 1230.	4.5	4
6	First-principles investigation of dimethyl-functionalized MIL-53(Al) metal-organic framework for adsorption and separation of xylene isomers. <i>Journal of Porous Materials</i> , 2021, 28, 579-591.	2.6	6
7	Surface peptide functionalization of zeolitic imidazolate framework-8 for autonomous homing and enhanced delivery of chemotherapeutic agent to lung tumor cells. <i>Dalton Transactions</i> , 2021, 50, 2375-2386.	3.3	6
8	Aerosolized Niosome Formulation Containing Gemcitabine and Cisplatin for Lung Cancer Treatment: Optimization, Characterization and In Vitro Evaluation. <i>Pharmaceutics</i> , 2021, 13, 59.	4.5	35
9	The Therapeutic Effect and In Vivo Assessment of Palmitoyl- GDPH on the Wound Healing Process. <i>Pharmaceutics</i> , 2021, 13, 193.	4.5	8
10	Efficacy of Afatinib in the Treatment of Patients with Non-Small Cell Lung Cancer and Head and Neck Squamous Cell Carcinoma: A Systematic Review and Meta-Analysis. <i>Cancers</i> , 2021, 13, 688.	3.7	7
11	Binding of tetrabutylammonium bromide based deep eutectic solvent to DNA by spectroscopic analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 253, 119543.	3.9	6
12	Discovery of new inhibitor for the protein arginine deiminase type 4 (PAD4) by rational design of ß-enolase-derived peptides. <i>Computational Biology and Chemistry</i> , 2021, 92, 107487.	2.3	4
13	Elucidating the Aromatic Properties of Covalent Organic Frameworks Surface for Enhanced Polar Solvent Adsorption. <i>Polymers</i> , 2021, 13, 1861.	4.5	3
14	An insight into the effects of ratios and temperatures on a tetrabutylammonium bromide and ethylene glycol deep eutectic solvent. <i>Journal of Molecular Liquids</i> , 2021, 339, 116709.	4.9	10
15	Progress in Mesoporous Silica Nanoparticles as Drug Delivery Agents for Cancer Treatment. <i>Pharmaceutics</i> , 2021, 13, 152.	4.5	52
16	Ultrasound-assisted extraction conditions optimisation using response surface methodology from <i>Mitragyna speciosa</i> (Korth.) Havil leaves. <i>Ultrasonics Sonochemistry</i> , 2021, 81, 105851.	8.2	27
17	Metallointercalator [Ru(dppz) ₂ (PIP)] ²⁺ Renders BRCA Wild-Type Triple-Negative Breast Cancer Cells Hypersensitive to PARP Inhibition. <i>ACS Chemical Biology</i> , 2020, 15, 378-387.	3.4	12
18	Long Chain Imidazolium Ionic Liquids as Templates in the Formation of Mesoporous Silica Nanospheres. <i>Solid State Phenomena</i> , 2020, 301, 209-216.	0.3	2

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19	Antifreeze Proteins and Their Practical Utilization in Industry, Medicine, and Agriculture. <i>Biomolecules</i> , 2020, 10, 1649.	4.0	53
20	Molecular simulation on the stability and adsorption properties of choline-based ionic liquids/IRMOF-1 hybrid composite for selective H ₂ S/CO ₂ capture. <i>Journal of Hazardous Materials</i> , 2020, 399, 123008.	12.4	20
21	Modeling the Effect of Composition on Formation of Aerosolized Nanoemulsion System Encapsulating Docetaxel and Curcumin Using D-Optimal Mixture Experimental Design. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4357.	4.1	12
22	Fluorescence and Molecular Simulation Studies on the Interaction between Imidazolium-Based Ionic Liquids and Calf Thymus DNA. <i>Processes</i> , 2020, 8, 13.	2.8	8
23	Synthesis and in vitro biological evaluations of novel tetrapeptide as therapeutic agent for wound treatment. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 606-619.	5.2	6
24	Functionalized mesoporous silica nanoparticles templated by pyridinium ionic liquid for hydrophilic and hydrophobic drug release application. <i>Journal of Saudi Chemical Society</i> , 2020, 24, 289-302.	5.2	76
25	In-situ surface functionalization of superparamagnetic reduced graphene oxide @ Fe ₃ O ₄ nanocomposite via <i>Ganoderma lucidum</i> extract for targeted cancer therapy application. <i>Applied Surface Science</i> , 2020, 512, 145738.	6.1	45
26	Design and molecular modelling of phenolic-based protic ionic liquids. <i>Journal of Molecular Liquids</i> , 2020, 308, 113062.	4.9	4
27	Unraveling the Structural Dynamics of an Enzyme Encapsulated within a Metal-Organic Framework. <i>Journal of Physical Chemistry B</i> , 2020, 124, 3678-3685.	2.6	18
28	Imidazole-rich copper peptides as catalysts in xenobiotic degradation. <i>PLoS ONE</i> , 2020, 15, e0238147.	2.5	2
29	In silico solvation free energy and thermodynamics properties of H ₂ S in cholinium-based amino acid ionic liquids. <i>Journal of Molecular Liquids</i> , 2019, 294, 111641.	4.9	8
30	<p>Optimization of nanoemulsion containing gemcitabine and evaluation of its cytotoxicity towards human fetal lung fibroblast (MRC5) and human lung carcinoma (A549) cells<p>. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 7323-7338.	6.7	17
31	Synthesis of novel 6-substituted-5,6-Dihydrobenzo[4,5] Imidazo[1,2-c] quinazoline compounds and evaluation of their properties. <i>Journal of Molecular Structure</i> , 2019, 1193, 482-494.	3.6	14
32	Dependence of mesoporous silica properties on its template. <i>Ceramics International</i> , 2019, 45, 12149-12153.	4.8	11
33	Optimization of Synthesis Parameters of Mesoporous Silica Nanoparticles Based on Ionic Liquid by Experimental Design and Its Application as a Drug Delivery Agent. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-8.	2.7	13
34	Development of nano-colloidal system for fullerene by ultrasonic-assisted emulsification techniques based on artificial neural network. <i>Arabian Journal of Chemistry</i> , 2019, 12, 4162-4170.	4.9	7
35	In vitro evaluation of the inhalable quercetin loaded nanoemulsion for pulmonary delivery. <i>Drug Delivery and Translational Research</i> , 2019, 9, 497-507.	5.8	51
36	Excipient selection and aerodynamic characterization of nebulized lipid-based nanoemulsion loaded with docetaxel for lung cancer treatment. <i>Drug Delivery and Translational Research</i> , 2019, 9, 543-554.	5.8	35

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37	Spray-dried immobilized lipase from <i>Geobacillus</i> sp. strain ARM in sago. PeerJ, 2019, 7, e6880.	2.0	7
38	Biochemical Characterization of the Cytochrome P450 CYP107CB2 from <i>Bacillus lehensis</i> G1. Protein Journal, 2018, 37, 180-193.	1.6	7
39	Monodispersed mesoporous silica nanospheres based on pyridinium ionic liquids. Journal of Porous Materials, 2018, 25, 1439-1446.	2.6	19
40	Aggregation of Polysorbate 80 in room temperature ionic liquids investigated by molecular dynamics simulations. Separation and Purification Technology, 2018, 196, 224-228.	7.9	2
41	Microwave synthesis, crystal structure, antioxidant, and antimicrobial study of new 6-heptyl-5,6-dihydrobenzo[4,5]imidazo[1,2-c]quinazoline compound. Chemistry Central Journal, 2018, 12, 145.	2.6	2
42	Site-directed mutagenesis: role of lid region for T1 lipase specificity. Protein Engineering, Design and Selection, 2018, 31, 221-229.	2.1	3
43	Histological and mechanical evaluation of antifreeze peptide (Afp1m) cryopreserved skin grafts post transplantation in a rat model. Cryobiology, 2018, 82, 27-36.	0.7	3
44	Palm-based nanoemulsions for drug delivery systems. , 2018, , 209-244.		0
45	Optimization of Quercetin loaded Palm Oil Ester Based Nanoemulsion Formulation for Pulmonary Delivery. Journal of Oleo Science, 2018, 67, 933-940.	1.4	26
46	Immobilization of enzyme using natural feldspar for use in the synthesis of oleyl oleate. AIP Conference Proceedings, 2018, , .	0.4	1
47	Pretreatment of oil palm trunk in deep eutectic solvent and optimization of enzymatic hydrolysis of pretreated oil palm trunk. Renewable Energy, 2017, 107, 36-41.	8.9	107
48	Synthesis, characterisation and catalytic activity of dithiocarbamate Schiff base complexes in oxidation of cyclohexane. Journal of Molecular Liquids, 2017, 240, 486-496.	4.9	67
49	Ability of T1 Lipase to Degrade Amorphous P(3HB): Structural and Functional Study. Molecular Biotechnology, 2017, 59, 284-293.	2.4	6
50	Novel furan-containing peptide-based inhibitors of protein arginine deiminase type IV (PAD4). Chemical Biology and Drug Design, 2017, 90, 1134-1146.	3.2	8
51	Synthesis and <i>in vitro</i> Bioactivity Evaluation of New Galactose and Fructose Ester Derivatives of 5-Aminosalicylic Acid. Chemistry and Biodiversity, 2017, 14, e1600362.	2.1	2
52	Catalytic oxidation of cyclohexane using transition metal complexes of dithiocarbamate Schiff base. Chemical Engineering Journal, 2017, 327, 423-430.	12.7	67
53	Solvation free energies of nucleic acid bases in ionic liquids. Molecular Simulation, 2017, 43, 19-27.	2.0	13
54	DEEP EUTECTIC SOLVENT AS A MEDIA IN SWELLING AND DISSOLUTION OF OIL PALM TRUNK. Malaysian Journal of Analytical Sciences, 2017, 21, 20-26.	0.1	8

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55	SELECTIVITY OF CANDIDA RUGOSA LIPASE IMMOBILIZED ONTO LAYERED DOUBLE HYDROXIDES AS CATALYST IN SYNTHESIS OF FATTY ACID ESTERS. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	0
56	Effect of Ionic Liquids on Oil Palm Biomass Fiber Dissolution. BioResources, 2016, 11, .	1.0	5
57	Optimization and characterization of lipase catalysed synthesis of xylose caproate ester in organic solvents. Journal of Molecular Catalysis B: Enzymatic, 2016, 132, 1-4.	1.8	35
58	Biophysical properties of DNA in hydrated ionic liquids. AIP Conference Proceedings, 2016, , .	0.4	1
59	Binding energy and biophysical properties of ionic liquid-DNA complex: Understanding the role of hydrophobic interactions. Journal of Molecular Liquids, 2016, 223, 1197-1203.	4.9	39
60	Facile modulation of enantioselectivity of thermophilic Geobacillus zalihae lipase by regulating hydrophobicity of its Q114 oxyanion. Enzyme and Microbial Technology, 2016, 93-94, 174-181.	3.2	7
61	Danger lurking in the “unknowns” structure-to-function studies of hypothetical protein Bleg1_2437 from Bacillus lehensis G1 alkaliphile revealed an evolutionary divergent B3 metallo-beta-lactamase. Journal of Biochemistry, 2016, 161, mvw058.	1.7	4
62	Theoretical investigation on insulin dimer- β -cyclodextrin interactions using docking and molecular dynamics simulation. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2016, 84, 1-10.	1.6	14
63	STUDIES OF INTERACTION BETWEEN TETRABUTYLAMMONIUM BROMIDE BASED DEEP EUTECTIC SOLVENT AND DNA USING FLUORESCENCE QUENCHING METHOD AND CIRCULAR DICHROISM SPECTROSCOPY. Malaysian Journal of Analytical Sciences, 2016, 20, 1233-1240.	0.1	5
64	IN-SILICO IDENTIFICATION OF POTENTIAL PROTEIN ARGININE DEIMINASE IV (PAD4) INHIBITORS. Malaysian Journal of Analytical Sciences, 2016, 20, 1269-1277.	0.1	3
65	Expression and characterization of thermostable glycogen branching enzyme from <i>Geobacillus mahadia</i> Geo-05. PeerJ, 2016, 4, e2714.	2.0	8
66	TAILORING PEPTIDOMIMETICS ANTIFREEZE PROTEIN FROM EXOTIC ANTARCTIC MARINE. Malaysian Journal of Analytical Sciences, 2016, 20, 477-483.	0.1	0
67	SPECTROSCOPIC CHARACTERIZATION OF COPPER(II)-BASED TETRAPEPTIDES. Malaysian Journal of Analytical Sciences, 2016, 20, 735-740.	0.1	0
68	Self-assembly of Palm Kernel Oil Wax Esters in Aqueous Media: A Molecular Dynamics Study. International Journal of Chemistry, 2015, 7, 133.	0.3	2
69	Development of a catalytically stable and efficient lipase through an increase in hydrophobicity of the oxyanion residue. Journal of Molecular Catalysis B: Enzymatic, 2015, 122, 282-288.	1.8	6
70	Synthesis and in vitro bioactivity evaluation of new glucose and xylitol ester derivatives of 5-aminosalicylic acid. RSC Advances, 2015, 5, 97295-97307.	3.6	8
71	Design of a Simple Organocatalysts for Asymmetric Direct Aldol Reactions in Aqueous Medium. Catalysis Letters, 2015, 145, 1750-1755.	2.6	7
72	Molecular characterization, modeling and docking of CYP107CB2 from Bacillus lehensis G1, an alkaliphile. Computational Biology and Chemistry, 2015, 56, 19-29.	2.3	3

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73	Hepatitis B virus peptide inhibitors: solution structures and interactions with the viral capsid. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7780-7789.	2.8	12
74	Synthesis, bioactivity evaluation, and docking study of 5-aminosalicylic acid's fatty acid derivatives. <i>Monatshefte für Chemie</i> , 2015, 146, 2139-2149.	1.8	5
75	Bioinformatics survey of the metal usage by psychrophilic yeast <i>Glaciozyma antarctica</i> PI12. <i>Metallomics</i> , 2015, 7, 156-164.	2.4	1
76	Chemoenzymatic Epoxidation of Alkenes and Reusability Study of the Phenylacetic Acid. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	2.1	9
77	Tetrabutylammonium Bromide (TBABr)-Based Deep Eutectic Solvents (DESs) and Their Physical Properties. <i>Molecules</i> , 2014, 19, 8011-8026.	3.8	129
78	Enzymatic production of a solvent-free menthyl butyrate via response surface methodology catalyzed by a novel thermostable lipase from <i>Geobacillus zalihae</i> . <i>Biotechnology and Biotechnological Equipment</i> , 2014, 28, 1065-1072.	1.3	29
79	Asymmetric aldol reactions catalyzed by the promiscuous aldo-ketoreductase enzyme. <i>Tetrahedron Letters</i> , 2014, 55, 6303-6306.	1.4	3
80	Monte Carlo simulation of mixed nonionic Brij surfactants in water. <i>Journal of Molecular Modeling</i> , 2014, 20, 2512.	1.8	2
81	Modeling stability and flexibility of β -Chymotrypsin in room temperature ionic liquids. <i>Journal of Biomolecular Structure and Dynamics</i> , 2014, 32, 1263-1273.	3.5	18
82	Asymmetric Michael Reaction Catalyzed by Mimicked Peptides. <i>Catalysis Letters</i> , 2014, 144, 222-228.	2.6	2
83	Influence of anion-water interactions on the behaviour of lipases in room temperature ionic liquids. <i>RSC Advances</i> , 2014, 4, 48202-48211.	3.6	17
84	Solvation free energies in [bmim]-based ionic liquids: Anion effect toward solvation of amino acid side chain analogues. <i>Chemical Physics Letters</i> , 2014, 615, 69-74.	2.6	11
85	Optimization of Microwave-Assisted Michael Addition Reaction Catalyzed by L-Proline in Ionic Liquid Medium Using Response Surface Methodology. <i>Synthetic Communications</i> , 2014, 44, 381-398.	2.1	7
86	Molecular Dynamics of Thermoenzymes at High Temperature and Pressure: A Review. <i>Protein Journal</i> , 2014, 33, 369-376.	1.6	6
87	A Sco protein among the hypothetical proteins of <i>Bacillus lehensis</i> G1: Its 3D macromolecular structure and association with Cytochrome C Oxidase. <i>BMC Structural Biology</i> , 2014, 14, 11.	2.3	3
88	OPTIMIZATION OF LIPASE-CATALYZED SYNTHESIS OF <i>N</i> - <i>trans</i> -FERULOYLTYRAMINE USING RESPONSE SURFACE METHODOLOGY (RSM). <i>Chemical Engineering Communications</i> , 2014, 201, 1582-1592.	2.6	4
89	An insight into structure and stability of DNA in ionic liquids from molecular dynamics simulation and experimental studies. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14036-14046.	2.8	63
90	Rational design of mimetic peptides based on aldo-ketoreductase enzyme as asymmetric organocatalysts in aldol reactions. <i>RSC Advances</i> , 2014, 4, 38859-38868.	3.6	15

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91	Green nanoemulsion laden glyphosate isopropylamine formulation in suppressing creeping foxglove (<i>A. gangetica</i>), slender button weed (<i>D. ocimifolia</i>) and buffalo grass (<i>P. Tj</i> ETQq1 1 0.784314 rgBT4/Overlook 10 Tf 50		
92	Novel Octapeptide as an Asymmetric Catalyst for Michael Reaction in Aqueous Media. Synthetic Communications, 2013, 43, 3130-3140.	2.1	4
93	Various Polar Tripeptides as Asymmetric Organocatalyst in Direct Aldol Reactions in Aqueous Media. Chirality, 2013, 25, 726-734.	2.6	28
94	Enantioselectivity Investigation of Short Polar Peptides with Different Positions in the Michael Reaction. Synthetic Communications, 2013, 43, 2725-2732.	2.1	0
95	Phase Behaviour and Formation of Fatty Acid Esters Nanoemulsions Containing Piroxicam. AAPS PharmSciTech, 2013, 14, 456-463.	3.3	35
96	Phase Behavior and Formation of Oleyl Ester Nanoemulsions System. Journal of Dispersion Science and Technology, 2013, 34, 771-777.	2.4	0
97	Enzyme-facilitated synthesis of 1-nonene oxide and simple GC-MS SIM method for rapid screening of epoxidation processes. Biocatalysis and Biotransformation, 2012, 30, 476-484.	2.0	2
98	Molecular Dynamics Simulation of Palmitate Ester Self-Assembly with Diclofenac. International Journal of Molecular Sciences, 2012, 13, 9572-9583.	4.1	20
99	Optimization of Lipase-Mediated Synthesis of 1-Nonene Oxide Using Phenylacetic Acid and Hydrogen Peroxide. International Journal of Molecular Sciences, 2012, 13, 13140-13149.	4.1	7
100	Combination of Oxyanion Gln114 Mutation and Medium Engineering to Influence the Enantioselectivity of Thermophilic Lipase from <i>Geobacillus zalihae</i> . International Journal of Molecular Sciences, 2012, 13, 11666-11680.	4.1	18
101	Lipase catalysed synthesis of N-trans-feruloyltyramine and a quantitative HPLC-UV method for analysis. Biocatalysis and Biotransformation, 2012, 30, 385-390.	2.0	3
102	Influence of Temperature on the Phase Behaviors and Techniques Toward Formation of Palm Oil Esters Nanoemulsion. Journal of Dispersion Science and Technology, 2012, 33, 332-338.	2.4	0
103	Response Surface Modeling and Optimization of Immobilized <i>Candida antarctica</i> Lipase-Catalyzed Production of Dicarboxylic Acid Ester. Chemical Product and Process Modeling, 2012, 7, .	0.9	2
104	Modification of palm kernel oil esters nanoemulsions with hydrocolloid gum for enhanced topical delivery of ibuprofen. International Journal of Nanomedicine, 2012, 7, 4739.	6.7	25
105	Structural Properties of Nonionic Tween80 Micelle in Water Elucidated by Molecular Dynamics Simulation. APCBEE Procedia, 2012, 3, 287-297.	0.5	40
106	Solution Structures, Dynamics, and Ice Growth Inhibitory Activity of Peptide Fragments Derived from an Antarctic Yeast Protein. PLoS ONE, 2012, 7, e49788.	2.5	21
107	Spectroscopic Data of 3-O-beta-D-Glucopyranoside-betulinic Acid: An Anti-Cancer Agent. International Journal of Chemistry, 2012, 4, .	0.3	3
108	Unlocking the mystery behind the activation phenomenon of T1 lipase: A molecular dynamics simulations approach. Protein Science, 2012, 21, 1210-1221.	7.6	33

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109	Synthesis and QSAR analysis of chalcone derivatives as nitric oxide inhibitory agent. Medicinal Chemistry Research, 2012, 21, 1953-1966.	2.4	13
110	Manipulation of the Conformation and Enzymatic Properties of T1 Lipase by Site-Directed Mutagenesis of the Protein Core. Applied Biochemistry and Biotechnology, 2012, 167, 612-620.	2.9	7
111	Biocatalytic production of lactose ester catalysed by mica-based immobilised lipase. Food Chemistry, 2012, 131, 199-205.	8.2	45
112	Physicochemical characterization and formation of glyphosate-laden nano-emulsion for herbicide formulation. Industrial Crops and Products, 2012, 36, 607-613.	5.2	50
113	Lipase-catalyzed synthesis of ergosterol ester. Biocatalysis and Agricultural Biotechnology, 2012, 1, 51-56.	3.1	9
114	Optimization of enzymatic synthesis of eugenol ester using statistical approaches. Biocatalysis and Agricultural Biotechnology, 2012, 1, 226-231.	3.1	25
115	Improved enzymatic galactose oleate ester synthesis in ionic liquids. Journal of Molecular Catalysis B: Enzymatic, 2012, 76, 37-43.	1.8	32
116	Enzymatic esterification of fatty acid esters by tetraethylammonium amino acid ionic liquids-coated Candida rugosa lipase. Journal of Molecular Catalysis B: Enzymatic, 2012, 79, 61-65.	1.8	28
117	Green nano-emulsion intervention for water-soluble glyphosate isopropylamine (IPA) formulations in controlling Eleusine indica (E. indica). Pesticide Biochemistry and Physiology, 2012, 102, 19-29.	3.6	81
118	Synthesis and evaluation of DPPH and anti-inflammatory activities of 2,6-bisbenzylidenecyclohexanone and pyrazoline derivatives. Medicinal Chemistry Research, 2012, 21, 333-344.	2.4	17
119	Engineering catalytic efficiency of thermophilic lipase from <i>Geobacillus zalihae</i> by hydrophobic residue mutation near the catalytic pocket. Advances in Bioscience and Biotechnology (Print), 2012, 03, 158-167.	0.7	17
120	Phase Behavior and Formulation of Palm Oil Esters o/w Nanoemulsions Stabilized by Hydrocolloid Gums for Cosmeceuticals Application. Journal of Dispersion Science and Technology, 2011, 32, 1428-1433.	2.4	5
121	Kinetic Behaviour of Free Lipase and Mica-Based Immobilized Lipase Catalyzing the Synthesis of Sugar Esters. Bioscience, Biotechnology and Biochemistry, 2011, 75, 1446-1450.	1.3	3
122	High yield lipase-catalyzed synthesis of Engkabang fat esters for the cosmetic industry. Bioresource Technology, 2011, 102, 2168-2176.	9.6	21
123	Artificial neural network analysis of lipase-catalyzed synthesis of sugar alcohol ester. Industrial Crops and Products, 2011, 33, 42-48.	5.2	18
124	Modeling and optimization of lipase-catalyzed production of succinic acid ester using central composite design analysis. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 229-234.	3.0	14
125	Development of coating materials from liquid wax esters for wood top-based coating. Journal of Coatings Technology Research, 2011, 8, 229-236.	2.5	3
126	Reductive Alkylation Causes the Formation of a Molten Globule-Like Intermediate Structure in <i>Geobacillus zalihae</i> Strain T1 Thermostable Lipase. Applied Biochemistry and Biotechnology, 2011, 164, 362-375.	2.9	4

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127	Engkabang Fat Esters for Cosmeceutical Formulation. <i>Journal of Surfactants and Detergents</i> , 2011, 14, 227-233.	2.1	7
128	Chemometric analysis of lipase-catalyzed synthesis of xylitol esters in a solvent-free system. <i>Carbohydrate Research</i> , 2011, 346, 472-479.	2.3	19
129	Self-assembly behaviour of alkylpolyglucosides (APG) in mixed surfactant-stabilized emulsions system. <i>Journal of Molecular Liquids</i> , 2011, 158, 175-181.	4.9	36
130	Ionic Liquid-Supported (ILS) (S)-Pyrrolidine Sulfonamide for Asymmetric Michael Addition Reactions of Aldehydes with Nitroolefins. <i>Letters in Organic Chemistry</i> , 2011, 8, 170-175.	0.5	9
131	Effect of Alcohol Structure on the Optimum Condition for Novozym 435-Catalyzed Synthesis of Adipate Esters. <i>Biotechnology Research International</i> , 2011, 2011, 1-7.	1.4	6
132	On the Importance of the Small Domain in the Thermostability of Thermoalkalophilic Lipases from L1 and T1: Insights from Molecular Dynamics Simulation. <i>Protein and Peptide Letters</i> , 2010, 17, 699-707.	0.9	5
133	Artificial neural network modeling studies to predict the yield of enzymatic synthesis of betulinic acid ester. <i>Electronic Journal of Biotechnology</i> , 2010, 13, .	2.2	15
134	Lipase-catalyzed dimethyl adipate synthesis: Response surface modeling and kinetics. <i>Biotechnology Journal</i> , 2010, 5, 848-855.	3.5	12
135	Optimization of operational conditions for adipate ester synthesis in a stirred tank reactor. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 846-853.	2.6	13
136	Optimization of lipase-catalyzed synthesis of xylitol ester by Taguchi robust design method. <i>Industrial Crops and Products</i> , 2010, 31, 350-356.	5.2	46
137	Optimized enzymatic synthesis of levulinate ester in solvent-free system. <i>Industrial Crops and Products</i> , 2010, 32, 246-251.	5.2	85
138	Synthesis and biological activity of oxadiazole and triazolothiadiazole derivatives as tyrosinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 3755-3759.	2.2	40
139	A potential tocopherol acetate loaded palm oil esters-in-water nanoemulsions for nanocosmeceuticals. <i>Journal of Nanobiotechnology</i> , 2010, 8, 4.	9.1	42
140	Synthesis and Physico-Chemical Properties of New Tetraethylammonium-Based Amino Acid Chiral Ionic Liquids. <i>Molecules</i> , 2010, 15, 2388-2397.	3.8	37
141	Molecular dynamics simulation of oleyl oleate swollen micelles system. <i>Molecular Simulation</i> , 2010, 36, 403-407.	2.0	13
142	Characterization and Effect on Skin Hydration of Engkabang-Based Emulsions. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1188-1193.	1.3	5
143	Silylation of mica for lipase immobilization as biocatalysts in esterification. <i>Applied Clay Science</i> , 2010, 47, 276-282.	5.2	23
144	Enzymatic synthesis of betulinic acid ester as an anticancer agent: Optimization study. <i>Biocatalysis and Biotransformation</i> , 2010, 28, 192-200.	2.0	11

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145	Anticancer Activity of 3-O-Acylated Betulinic Acid Derivatives Obtained by Enzymatic Synthesis. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1025-1029.	1.3	25
146	Fuzzy modeling and optimization of biochemical processes: A case study. , 2010, , .		2
147	Lipase-Catalyzed Esterification of Betulinic Acid Using Phthalic Anhydride in Organic Solvent Media: Study of Reaction Parameters. Journal of Applied Sciences, 2010, 10, 337-342.	0.3	19
148	Deciphering the Flexibility and Dynamics of Geobacillus zalihae Strain T1 Lipase at High Temperatures by Molecular Dynamics Simulation (Supplementary Material). Protein and Peptide Letters, 2009, 16, 1360-1370.	0.9	6
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