

Mohd Basyaruddin Abdul Rahman

List of Publications by Year in descending order

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175
papers

3,461
citations

145106

33
h-index

232693

48
g-index

176
all docs

176
docs citations

176
times ranked

4583
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.	2.3	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.	1.7	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.	2.5	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.	2.6	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.	2.0	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.	1.3	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.	1.6	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.	2.0	35
9	The Therapeutic Effect and In Vivo Assessment of Palmitoyl- GDPH on the Wound Healing Process. <i>Pharmaceutics</i> , 2021, 13, 193.	2.0	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.	1.7	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.	2.0	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.	1.1	4
13	Elucidating the Aromatic Properties of Covalent Organic Frameworks Surface for Enhanced Polar Solvent Adsorption. <i>Polymers</i> , 2021, 13, 1861.	2.0	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.	2.3	10
15	Progress in Mesoporous Silica Nanoparticles as Drug Delivery Agents for Cancer Treatment. <i>Pharmaceutics</i> , 2021, 13, 152.	2.0	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.	3.8	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.	1.6	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.	1.8	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.	6.5	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.	1.8	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.	1.3	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.	2.4	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.	2.4	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.	3.1	45
26	Design and molecular modelling of phenolic-based protic ionic liquids. <i>Journal of Molecular Liquids</i> , 2020, 308, 113062.	2.3	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.	1.2	18
28	Imidazole-rich copper peptides as catalysts in xenobiotic degradation. <i>PLoS ONE</i> , 2020, 15, e0238147.	1.1	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.	2.3	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.	3.3	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.	1.8	14
32	Dependence of mesoporous silica properties on its template. <i>Ceramics International</i> , 2019, 45, 12149-12153.	2.3	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.	1.5	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.	2.3	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.	3.0	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.	3.0	35

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37	Spray-dried immobilized lipase from <i>Geobacillus</i> sp. strain ARM in sago. PeerJ, 2019, 7, e6880.	0.9	7
38	Biochemical Characterization of the Cytochrome P450 CYP107CB2 from <i>Bacillus lehensis</i> G1. Protein Journal, 2018, 37, 180-193.	0.7	7
39	Monodispersed mesoporous silica nanospheres based on pyridinium ionic liquids. Journal of Porous Materials, 2018, 25, 1439-1446.	1.3	19
40	Aggregation of Polysorbate 80 in room temperature ionic liquids investigated by molecular dynamics simulations. Separation and Purification Technology, 2018, 196, 224-228.	3.9	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.	1.0	3
43	Histological and mechanical evaluation of antifreeze peptide (Afp1m) cryopreserved skin grafts post transplantation in a rat model. Cryobiology, 2018, 82, 27-36.	0.3	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.	0.6	26
46	Immobilization of enzyme using natural feldspar for use in the synthesis of oleyl oleate. AIP Conference Proceedings, 2018, , .	0.3	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.	4.3	107
48	Synthesis, characterisation and catalytic activity of dithiocarbamate Schiff base complexes in oxidation of cyclohexane. Journal of Molecular Liquids, 2017, 240, 486-496.	2.3	67
49	Ability of T1 Lipase to Degrade Amorphous P(3HB): Structural and Functional Study. Molecular Biotechnology, 2017, 59, 284-293.	1.3	6
50	Novel furan-containing peptide-based inhibitors of protein arginine deiminase type IV (PAD4). Chemical Biology and Drug Design, 2017, 90, 1134-1146.	1.5	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.	1.0	2
52	Catalytic oxidation of cyclohexane using transition metal complexes of dithiocarbamate Schiff base. Chemical Engineering Journal, 2017, 327, 423-430.	6.6	67
53	Solvation free energies of nucleic acid bases in ionic liquids. Molecular Simulation, 2017, 43, 19-27.	0.9	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.	0.2	8

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55	SELECTIVITY OF CANDIDA RUGOSA LIPASE IMMOBILIZED ONTO LAYERED DOUBLE HYDROXIDES AS CATALYST IN SYNTHESIS OF FATTY ACID ESTERS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2016, 78, .	0.3	0
56	Effect of Ionic Liquids on Oil Palm Biomass Fiber Dissolution. <i>BioResources</i> , 2016, 11, .	0.5	5
57	Optimization and characterization of lipase catalysed synthesis of xylose caproate ester in organic solvents. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 132, 1-4.	1.8	35
58	Biophysical properties of DNA in hydrated ionic liquids. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
59	Binding energy and biophysical properties of ionic liquid-DNA complex: Understanding the role of hydrophobic interactions. <i>Journal of Molecular Liquids</i> , 2016, 223, 1197-1203.	2.3	39
60	Facile modulation of enantioselectivity of thermophilic <i>Geobacillus zalihae</i> lipase by regulating hydrophobicity of its Q114 oxyanion. <i>Enzyme and Microbial Technology</i> , 2016, 93-94, 174-181.	1.6	7
61	Danger lurking in the "unknowns" structure-to-function studies of hypothetical protein Bleg1_2437 from <i>Bacillus lehensis</i> G1 alkaliphile revealed an evolutionary divergent B3 metallo-beta-lactamase. <i>Journal of Biochemistry</i> , 2016, 161, mvw058.	0.9	4
62	Theoretical investigation on insulin dimer- β -cyclodextrin interactions using docking and molecular dynamics simulation. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2016, 84, 1-10.	0.9	14
63	STUDIES OF INTERACTION BETWEEN TETRABUTYLAMMONIUM BROMIDE BASED DEEP EUTECTIC SOLVENT AND DNA USING FLUORESCENCE QUENCHING METHOD AND CIRCULAR DICHROISM SPECTROSCOPY. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 1233-1240.	0.2	5
64	IN-SILICO IDENTIFICATION OF POTENTIAL PROTEIN ARGININE DEIMINASE IV (PAD4) INHIBITORS. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 1269-1277.	0.2	3
65	Expression and characterization of thermostable glycogen branching enzyme from <i>Geobacillus mahadia</i> Geo-05. <i>PeerJ</i> , 2016, 4, e2714.	0.9	8
66	TAILORING PEPTIDOMIMETICS ANTIFREEZE PROTEIN FROM EXOTIC ANTARCTIC MARINE. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 477-483.	0.2	0
67	SPECTROSCOPIC CHARACTERIZATION OF COPPER(II)-BASED TETRAPEPTIDES. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 735-740.	0.2	0
68	Self-assembly of Palm Kernel Oil Wax Esters in Aqueous Media: A Molecular Dynamics Study. <i>International Journal of Chemistry</i> , 2015, 7, 133.	0.3	2
69	Development of a catalytically stable and efficient lipase through an increase in hydrophobicity of the oxyanion residue. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 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. <i>RSC Advances</i> , 2015, 5, 97295-97307.	1.7	8
71	Design of a Simple Organocatalysts for Asymmetric Direct Aldol Reactions in Aqueous Medium. <i>Catalysis Letters</i> , 2015, 145, 1750-1755.	1.4	7
72	Molecular characterization, modeling and docking of CYP107CB2 from <i>Bacillus lehensis</i> G1, an alkaliphile. <i>Computational Biology and Chemistry</i> , 2015, 56, 19-29.	1.1	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.	1.5	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.	0.9	5
75	Bioinformatics survey of the metal usage by psychrophilic yeast <i>Glaciozyma antarctica</i> PI12. <i>Metallomics</i> , 2015, 7, 156-164.	1.0	1
76	Chemoenzymatic Epoxidation of Alkenes and Reusability Study of the Phenylacetic Acid. <i>Scientific World Journal</i> , The, 2014, 2014, 1-7.	0.8	9
77	Tetrabutylammonium Bromide (TBABr)-Based Deep Eutectic Solvents (DESs) and Their Physical Properties. <i>Molecules</i> , 2014, 19, 8011-8026.	1.7	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.	0.5	29
79	Asymmetric aldol reactions catalyzed by the promiscuous aldo-ketoreductase enzyme. <i>Tetrahedron Letters</i> , 2014, 55, 6303-6306.	0.7	3
80	Monte Carlo simulation of mixed nonionic Brij surfactants in water. <i>Journal of Molecular Modeling</i> , 2014, 20, 2512.	0.8	2
81	Modeling stability and flexibility of $\hat{\pm}$ -Chymotrypsin in room temperature ionic liquids. <i>Journal of Biomolecular Structure and Dynamics</i> , 2014, 32, 1263-1273.	2.0	18
82	Asymmetric Michael Reaction Catalyzed by Mimicked Peptides. <i>Catalysis Letters</i> , 2014, 144, 222-228.	1.4	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.	1.7	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.	1.2	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.	1.1	7
86	Molecular Dynamics of Thermoenzymes at High Temperature and Pressure: A Review. <i>Protein Journal</i> , 2014, 33, 369-376.	0.7	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-trans</i> -FERULOYLTYRAMINE USING RESPONSE SURFACE METHODOLOGY (RSM). <i>Chemical Engineering Communications</i> , 2014, 201, 1582-1592.	1.5	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.	1.3	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.	1.7	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>)	0.784314	10
92	Novel Octapeptide as an Asymmetric Catalyst for Michael Reaction in Aqueous Media. <i>Synthetic Communications</i> , 2013, 43, 3130-3140.	1.1	4
93	Various Polar Tripeptides as Asymmetric Organocatalyst in Direct Aldol Reactions in Aqueous Media. <i>Chirality</i> , 2013, 25, 726-734.	1.3	28
94	Enantioselectivity Investigation of Short Polar Peptides with Different Positions in the Michael Reaction. <i>Synthetic Communications</i> , 2013, 43, 2725-2732.	1.1	0
95	Phase Behaviour and Formation of Fatty Acid Esters Nanoemulsions Containing Piroxicam. <i>AAPS PharmSciTech</i> , 2013, 14, 456-463.	1.5	35
96	Phase Behavior and Formation of Oleyl Ester Nanoemulsions System. <i>Journal of Dispersion Science and Technology</i> , 2013, 34, 771-777.	1.3	0
97	Enzyme-facilitated synthesis of 1-nonene oxide and simple GC-MS SIM method for rapid screening of epoxidation processes. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 476-484.	1.1	2
98	Molecular Dynamics Simulation of Palmitate Ester Self-Assembly with Diclofenac. <i>International Journal of Molecular Sciences</i> , 2012, 13, 9572-9583.	1.8	20
99	Optimization of Lipase-Mediated Synthesis of 1-Nonene Oxide Using Phenylacetic Acid and Hydrogen Peroxide. <i>International Journal of Molecular Sciences</i> , 2012, 13, 13140-13149.	1.8	7
100	Combination of Oxyanion Gln114 Mutation and Medium Engineering to Influence the Enantioselectivity of Thermophilic Lipase from <i>Geobacillus zalihae</i> . <i>International Journal of Molecular Sciences</i> , 2012, 13, 11666-11680.	1.8	18
101	Lipase catalysed synthesis of N-trans-feruloyltyramine and a quantitative HPLC-UV method for analysis. <i>Biocatalysis and Biotransformation</i> , 2012, 30, 385-390.	1.1	3
102	Influence of Temperature on the Phase Behaviors and Techniques Toward Formation of Palm Oil Esters Nanoemulsion. <i>Journal of Dispersion Science and Technology</i> , 2012, 33, 332-338.	1.3	0
103	Response Surface Modeling and Optimization of Immobilized <i>Candida antarctica</i> Lipase-Catalyzed Production of Dicarboxylic Acid Ester. <i>Chemical Product and Process Modeling</i> , 2012, 7, .	0.5	2
104	Modification of palm kernel oil esters nanoemulsions with hydrocolloid gum for enhanced topical delivery of ibuprofen. <i>International Journal of Nanomedicine</i> , 2012, 7, 4739.	3.3	25
105	Structural Properties of Nonionic Tween80 Micelle in Water Elucidated by Molecular Dynamics Simulation. <i>APCBEE Procedia</i> , 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. <i>PLoS ONE</i> , 2012, 7, e49788.	1.1	21
107	Spectroscopic Data of 3-O-beta-D-Glucopyranoside-betulinic Acid: An Anti-Cancer Agent. <i>International Journal of Chemistry</i> , 2012, 4, .	0.3	3
108	Unlocking the mystery behind the activation phenomenon of T1 lipase: A molecular dynamics simulations approach. <i>Protein Science</i> , 2012, 21, 1210-1221.	3.1	33

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109	Synthesis and QSAR analysis of chalcone derivatives as nitric oxide inhibitory agent. <i>Medicinal Chemistry Research</i> , 2012, 21, 1953-1966.	1.1	13
110	Manipulation of the Conformation and Enzymatic Properties of T1 Lipase by Site-Directed Mutagenesis of the Protein Core. <i>Applied Biochemistry and Biotechnology</i> , 2012, 167, 612-620.	1.4	7
111	Biocatalytic production of lactose ester catalysed by mica-based immobilised lipase. <i>Food Chemistry</i> , 2012, 131, 199-205.	4.2	45
112	Physicochemical characterization and formation of glyphosate-laden nano-emulsion for herbicide formulation. <i>Industrial Crops and Products</i> , 2012, 36, 607-613.	2.5	50
113	Lipase-catalyzed synthesis of ergosterol ester. <i>Biocatalysis and Agricultural Biotechnology</i> , 2012, 1, 51-56.	1.5	9
114	Optimization of enzymatic synthesis of eugenol ester using statistical approaches. <i>Biocatalysis and Agricultural Biotechnology</i> , 2012, 1, 226-231.	1.5	25
115	Improved enzymatic galactose oleate ester synthesis in ionic liquids. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 76, 37-43.	1.8	32
116	Enzymatic esterification of fatty acid esters by tetraethylammonium amino acid ionic liquids-coated <i>Candida rugosa</i> lipase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 79, 61-65.	1.8	28
117	Green nano-emulsion intervention for water-soluble glyphosate isopropylamine (IPA) formulations in controlling <i>Eleusine indica</i> (<i>E. indica</i>). <i>Pesticide Biochemistry and Physiology</i> , 2012, 102, 19-29.	1.6	81
118	Synthesis and evaluation of DPPH and anti-inflammatory activities of 2,6-bisbenzylidenecyclohexanone and pyrazoline derivatives. <i>Medicinal Chemistry Research</i> , 2012, 21, 333-344.	1.1	17
119	Engineering catalytic efficiency of thermophilic lipase from <i>Geobacillus zalihae</i> by hydrophobic residue mutation near the catalytic pocket. <i>Advances in Bioscience and Biotechnology</i> (Print), 2012, 03, 158-167.	0.3	17
120	Phase Behavior and Formulation of Palm Oil Esters o/w Nanoemulsions Stabilized by Hydrocolloid Gums for Cosmeceuticals Application. <i>Journal of Dispersion Science and Technology</i> , 2011, 32, 1428-1433.	1.3	5
121	Kinetic Behaviour of Free Lipase and Mica-Based Immobilized Lipase Catalyzing the Synthesis of Sugar Esters. <i>Bioscience, Biotechnology and Biochemistry</i> , 2011, 75, 1446-1450.	0.6	3
122	High yield lipase-catalyzed synthesis of Engkabang fat esters for the cosmetic industry. <i>Bioresource Technology</i> , 2011, 102, 2168-2176.	4.8	21
123	Artificial neural network analysis of lipase-catalyzed synthesis of sugar alcohol ester. <i>Industrial Crops and Products</i> , 2011, 33, 42-48.	2.5	18
124	Modeling and optimization of lipase-catalyzed production of succinic acid ester using central composite design analysis. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 229-234.	1.4	14
125	Development of coating materials from liquid wax esters for wood top-based coating. <i>Journal of Coatings Technology Research</i> , 2011, 8, 229-236.	1.2	3
126	Reductive Alkylation Causes the Formation of a Molten Globule-Like Intermediate Structure in <i>Geobacillus zalihae</i> Strain T1 Thermostable Lipase. <i>Applied Biochemistry and Biotechnology</i> , 2011, 164, 362-375.	1.4	4

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127	Engkabang Fat Esters for Cosmeceutical Formulation. <i>Journal of Surfactants and Detergents</i> , 2011, 14, 227-233.	1.0	7
128	Chemometric analysis of lipase-catalyzed synthesis of xylitol esters in a solvent-free system. <i>Carbohydrate Research</i> , 2011, 346, 472-479.	1.1	19
129	Self-assembly behaviour of alkylpolyglucosides (APG) in mixed surfactant-stabilized emulsions system. <i>Journal of Molecular Liquids</i> , 2011, 158, 175-181.	2.3	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.	0.2	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.	0.4	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, .	1.2	15
134	Lipase-catalyzed dimethyl adipate synthesis: Response surface modeling and kinetics. <i>Biotechnology Journal</i> , 2010, 5, 848-855.	1.8	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.	1.4	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.	2.5	46
137	Optimized enzymatic synthesis of levulinate ester in solvent-free system. <i>Industrial Crops and Products</i> , 2010, 32, 246-251.	2.5	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.	1.0	40
139	A potential tocopherol acetate loaded palm oil esters-in-water nanoemulsions for nanocosmeceuticals. <i>Journal of Nanobiotechnology</i> , 2010, 8, 4.	4.2	42
140	Synthesis and Physico-Chemical Properties of New Tetraethylammonium-Based Amino Acid Chiral Ionic Liquids. <i>Molecules</i> , 2010, 15, 2388-2397.	1.7	37
141	Molecular dynamics simulation of oleyl oleate swollen micelles system. <i>Molecular Simulation</i> , 2010, 36, 403-407.	0.9	13
142	Characterization and Effect on Skin Hydration of Engkabang-Based Emulsions. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1188-1193.	0.6	5
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