

Fazlena Hamzah

List of Publications by Year in descending order

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35
papers

363
citations

1307594

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h-index

839539

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35
all docs

35
docs citations

35
times ranked

612
citing authors

#	ARTICLE	IF	CITATIONS
1	Preliminary study on enzymatic hydrolysis of treated oil palm (<i>Elaeis</i>) empty fruit bunches fibre (EFB) by using combination of cellulase and β -1,4 glucosidase. <i>Biomass and Bioenergy</i> , 2011, 35, 1055-1059.	5.7	99
2	Sugarcane Bagasse as a Renewable Source of Silica to Synthesize Santa Barbara Amorphous-15 (SBA-15). <i>Procedia Engineering</i> , 2016, 148, 839-846.	1.2	99
3	Enzymes Encapsulation within Calcium Alginate-clay Beads: Characterization and Application for Cassava Slurry Saccharification. <i>Procedia Engineering</i> , 2013, 68, 411-417.	1.2	37
4	Ultrasonic Assisted Enzymatic Transesterification for Biodiesel Production. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 581-589.	3.7	26
5	Lactic Acid Production from Microwave-Alkali Pre-Treated Empty Fruit Bunches Fibre using <i>Rhizopus oryzae</i> Pellet. <i>Journal of Applied Sciences</i> , 2009, 9, 3086-3091.	0.3	18
6	Sodium silicate as source of silica for synthesis of mesoporous SBA-15. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 133, 012011.	0.6	16
7	Physico-mechanical behaviour of Oil Palm Broom Fibres (OPBF) as eco-friendly building material. <i>Journal of Building Engineering</i> , 2020, 30, 101208.	3.4	8
8	Activity and Stability of Immobilized Lipase for Utilization in Transesterification of Waste Cooking Oil. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2020, 15, 242-252.	1.1	7
9	Nanoclay Supporting Materials for Enzymes Immobilization: Kinetics Investigation of Free and Immobilized System. <i>Applied Mechanics and Materials</i> , 0, 393, 115-120.	0.2	6
10	Effect of Coating Adhesion on Turmeric Essential Oil Incorporated into Chitosan-Based Edible Coating. <i>Materials Science Forum</i> , 0, 890, 204-208.	0.3	5
11	Comparison on the Properties of Activated Carbon Derived from Rubber Seed Shell and Bamboo. <i>Advanced Science Letters</i> , 2017, 23, 3921-3925.	0.2	5
12	Strategy to enhance catalytic activity and stability of sol-gel oxidoreductases. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 98, 462-469.	2.4	4
13	SURFACE CHARACTERIZATION ON ALKALI-HEAT-TREATMENT ON TITANIUM ALLOY. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 1429-1436.	0.1	4
14	Kinetic Behaviour of Pancreatic Lipase Inhibition by Ultrasonicated <i>A. malaccensis</i> and <i>A. subintegra</i> Leaves of Different Particle Sizes. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2020, 15, 818-828.	1.1	4
15	Microwave-Alkali Activation on the Morphology and Structure of Bamboo Activated Carbon. <i>Applied Mechanics and Materials</i> , 2014, 575, 154-159.	0.2	3
16	CULTIVATION SYSTEM OF GREEN MICROALGAE, <i>BOTRYOCOCCUS BRAUNII</i> : A REVIEW. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 76, .	0.4	3
17	<i>Epipremnum pinnatum</i>; Activity on Chick Pancreatic Lipase. <i>Advanced Materials Research</i> , 0, 1113, 182-186.	0.3	2
18	Characterization and Identification of Isolated Microorganism from Agricultural Soil for Degradation of Cellulose Based Waste. <i>Advanced Materials Research</i> , 2015, 1113, 230-235.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Chemical Engineering students soft-skills in Integrated Project (IP) Part 4. , 2015, , .		2
20	Enzymatic Activity of Immobilized Carbonic Anhydrase onto Amberlite XAD7. Materials Science Forum, 0, 890, 163-166.	0.3	2
21	Effects of Alkali and Thermal Treatment on the Ti6Al4V towards Apatite Deposition in Dulbecco's Phosphate Buffered Saline (DPBS) Solution. Materials Science Forum, 0, 890, 184-187.	0.3	2
22	Effect of N, S Co-doped TiO ₂ concentration on photocatalytic degradation of phenol. AIP Conference Proceedings, 2017, , .	0.4	2
23	Effect of Free Fatty Acid Pretreatment to Yield, Composition and Activation Energy in Chemical Synthesis of Fatty Acid Methyl Ester. Indonesian Journal of Chemistry, 2019, 19, 592.	0.8	2
24	Performance of Mixed Cellulase-Amylase Immobilized on PSF Membrane Support via Cross-Linked with Glutaraldehyde in Enzymatic Hydrolysis. Advanced Materials Research, 0, 1119, 542-547.	0.3	1
25	Combination of photocatalytic and biological process for treatment of wastewater. , 2016, , .		1
26	Kinetic of carbonic anhydrase immobilized onto amberlite xad 7 and it application in sequestration of co ₂ into caco ₃ precipitate. Journal of Physics: Conference Series, 2017, 885, 012006.	0.4	1
27	Visible-Light Photocatalysis Using Nb-doped TiO ₂ Nanoparticles Synthesized Via Facile Sol-gel Method. , 2019, , .		1
28	Effect of Microwave-Alkali Techniques on the Morphology and Physical Changes of Treated Oil Palm Empty Fruit Bunches Fiber. Materials Science Forum, 2020, 987, 124-128.	0.3	1
29	Kinetic study of free and immobilized enzymes for bioconversion of tapioca slurry into BioSugar. , 2013, , .		0
30	Optimization of Drying and Extraction Process of <i>Pereskia bl</i> Leaves in Determining Antioxidant Properties Utilizing Pareto ANOVA. Applied Mechanics and Materials, 2014, 548-549, 96-100.	0.2	0
31	Evaluation of Mixed Cellulase-Amylase System on Enzymatic Hydrolysis Reaction Using Response Surface Methodology. Advanced Materials Research, 0, 974, 241-246.	0.3	0
32	Characterization of Nanosilica of Tapioca Peel as Adsorbent for Biomethane Storage System. Advanced Materials Research, 2015, 1125, 266-270.	0.3	0
33	<i>Aspergillus niger</i> ATCC 16404 Producing Pectinase Couple to Polysulfone/Pluronic Membrane Ultrafiltration for Momordica Charantia Juice Clarification. Advanced Materials Research, 2015, 1113, 177-181.	0.3	0
34	Effect of Tacca Starch Loading on Production of Amylolytic Enzymes from Ragi Tapai. Materials Science Forum, 2020, 987, 118-123.	0.3	0
35	Reduction of Glucose Concentration by Using Glucose Oxidase Immobilized Into Polysulfone-TiO ₂ Membrane. Advanced Science Letters, 2017, 23, 4022-4025.	0.2	0