

# Fazlena Hamzah

## List of Publications by Year in descending order

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35  
papers

363  
citations

1307594

7  
h-index

839539

18  
g-index

35  
all docs

35  
docs citations

35  
times ranked

612  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Effect of Tacca Starch Loading on Production of Amylolytic Enzymes from Ragi Tapai. <i>Materials Science Forum</i> , 2020, 987, 118-123.	0.3	0
3	Effect of Microwave-Alkali Techniques on the Morphology and Physical Changes of Treated Oil Palm Empty Fruit Bunches Fiber. <i>Materials Science Forum</i> , 2020, 987, 124-128.	0.3	1
4	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
5	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
6	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
7	Visible-Light Photocatalysis Using Nb-doped TiO <sub>2</sub> Nanoparticles Synthesized Via Facile Sol-gel Method. , 2019, , .		1
8	Ultrasonic Assisted Enzymatic Transesterification for Biodiesel Production. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 581-589.	3.7	26
9	Effect of Free Fatty Acid Pretreatment to Yield, Composition and Activation Energy in Chemical Synthesis of Fatty Acid Methyl Ester. <i>Indonesian Journal of Chemistry</i> , 2019, 19, 592.	0.8	2
10	Effect of N, S Co-doped TiO <sub>2</sub> concentration on photocatalytic degradation of phenol. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
11	Kinetic of carbonic anhydrase immobilized onto amberlite xad 7 and its application in sequestration of CO <sub>2</sub> into CaCO <sub>3</sub> precipitate. <i>Journal of Physics: Conference Series</i> , 2017, 885, 012006.	0.4	1
12	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
13	Reduction of Glucose Concentration by Using Glucose Oxidase Immobilized Into Polysulfone-TiO <sub>2</sub> Membrane. <i>Advanced Science Letters</i> , 2017, 23, 4022-4025.	0.2	0
14	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
15	Combination of photocatalytic and biological process for treatment of wastewater. , 2016, , .		1
16	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
17	SURFACE CHARACTERIZATION ON ALKALI-HEAT-TREATMENT ON TITANIUM ALLOY. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 1429-1436.	0.1	4
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	CULTIVATION SYSTEM OF GREEN MICROALGAE, BOTRYOCOCCUS BRAUNII: A REVIEW. Jurnal Teknologi (Sciences and Engineering), 2015, 76, .	0.4	3
21	Characterization of Nanosilica of Tapioca Peel as Adsorbent for Biomethane Storage System. Advanced Materials Research, 2015, 1125, 266-270.	0.3	0
22	<i>Aspergillus</i> <i>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
23	Optimization of Drying and Extraction Process of <i>Pereskia bl</i> <i>eo</i> Leaves in Determining Antioxidant Properties Utilizing Pareto ANOVA. Applied Mechanics and Materials, 2014, 548-549, 96-100.	0.2	0
24	Microwave-Alkali Activation on the Morphology and Structure of Bamboo Activated Carbon. Applied Mechanics and Materials, 2014, 575, 154-159.	0.2	3
25	Enzymes Encapsulation within Calcium Alginate-clay Beads: Characterization and Application for Cassava Slurry Saccharification. Procedia Engineering, 2013, 68, 411-417.	1.2	37
26	Kinetic study of free and immobilized enzymes for bioconversion of tapioca slurry into BioSugar. , 2013, , .		0
27	Preliminary study on enzymatic hydrolysis of treated oil palm (Elaeis) empty fruit bunches fibre (EFB) by using combination of cellulase and $\beta$ -1-4 glucosidase. Biomass and Bioenergy, 2011, 35, 1055-1059.	5.7	99
28	Lactic Acid Production from Microwave-Alkali Pre-Treated Empty Fruit Bunches Fibre using Rhizopus oryzae Pellet. Journal of Applied Sciences, 2009, 9, 3086-3091.	0.3	18
29	Nanoclay Supporting Materials for Enzymes Immobilization: Kinetics Investigation of Free and Immobilized System. Applied Mechanics and Materials, 0, 393, 115-120.	0.2	6
30	Evaluation of Mixed Cellulase-Amylase System on Enzymatic Hydrolysis Reaction Using Response Surface Methodology. Advanced Materials Research, 0, 974, 241-246.	0.3	0
31	&lt;i>Epipremnum pi</i>&lt;i>natum</i>&lt;i> Activity on Chick Pancreatic Lipase. Advanced Materials Research, 0, 1113, 182-186.	0.3	2
32	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
33	Enzymatic Activity of Immobilized Carbonic Anhydrase onto Amberlite XAD7. Materials Science Forum, 0, 890, 163-166.	0.3	2
34	Effects of Alkali and Thermal Treatment on the Ti6Al4V towards Apatite Deposition in Dulbeccoâ€™s Phosphate Buffered Saline (DPBS) Solution. Materials Science Forum, 0, 890, 184-187.	0.3	2
35	Effect of Coating Adhesion on Turmeric Essential Oil Incorporated into Chitosan-Based Edible Coating. Materials Science Forum, 0, 890, 204-208.	0.3	5