

# Agustinus Purna Irawan

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/6728631/agustinus-purna-irawan-publications-by-year.pdf>

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31  
papers

78  
citations

5  
h-index

8  
g-index

33  
ext. papers

123  
ext. citations

1  
avg, IF

2.8  
L-index

| #  | Paper  | IF  | Citations |
|----|--|-----|-----------|
| 31 | Biodegradation of Polylactic Acid-Based Bio Composites Reinforced with Chitosan and Essential Oils as Anti-Microbial Material for Food Packaging. <i>Polymers</i> , <b>2021</b> , 13,  | 4.5 | 1         |
| 30 | The Effect of Hybridisation on Mechanical Properties and Water Absorption Behaviour of Woven Jute/Ramie Reinforced Epoxy Composites. <i>Polymers</i> , <b>2021</b> , 13,   | 4.5 | 5         |
| 29 | Application of Micromechanical Modelling for the Evaluation of Elastic Moduli of Hybrid Woven Jute-Ramie Reinforced Unsaturated Polyester Composites. <i>Polymers</i> , <b>2021</b> , 13,  | 4.5 | 1         |
| 28 | Design and fabrication of multipurpose organic chopper machine. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 725, 012021  | 0.4 | 6         |
| 27 | Analysis of the Potential of Crust Formation and Corrosiveness in the Way Rilau PDAM Lampung Distribution Network Using the Langelier Saturation Index Method. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 852, 012040 | 0.4 | 1         |
| 26 | Flexural properties of bamboo strip composites on lamina configuration. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 852, 012077  | 0.4 |           |
| 25 | Development of wood carving furniture technology in Jepara. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 852, 012146  | 0.4 | 1         |
| 24 | Socket prosthesis manufacturing process made from bamboo fiber composite materials. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 852, 012042  | 0.4 | 2         |
| 23 | Concept design of solar cell satellite dish. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 852, 012088   | 0.4 |           |
| 22 | Tensile strength of car spoiler product based on ABS plastic and rattan fiber epoxy composite materials. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 725, 012040   | 0.4 | 2         |
| 21 | Performance Factors for Successful Business Incubators in Indonesian Public Universities <b>2020</b> , 11, 155   |     | 5         |
| 20 | Concept design of high interface powerbank. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 852, 012089  | 0.4 |           |
| 19 | Concept design for adjustable motorcycle handlebar. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 852, 012034  | 0.4 |           |
| 18 | Product design of chairless chair based on local components to provide support for active workers. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 508, 012054   | 0.4 | 18        |
| 17 | The knock down system of rattan furniture for global market. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 508, 012104   | 0.4 | 9         |
| 16 | Implementation of bioretention system for environmental-based urban drainage planning. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 508, 012020   | 0.4 |           |
| 15 | Tensile Properties of Bamboo Strip Reinforced-Epoxy Matrix Composite. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 508, 012055  | 0.4 | 1         |

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|----|--|-----|----|
| 14 | Optimization of open gear design for dryer paper machine transmission system. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 508, 012073      | 0.4 | 4  |
| 13 | Failure mode analysis of ramie fiber reinforced composite material. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 420, 012060                | 0.4 | 1  |
| 12 | Flexural strength of car spoiler materials made from rattan fiber composites. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 420, 012015      | 0.4 | 1  |
| 11 | Hybrid robot climbing system design. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 237, 012006   | 0.4 | 15 |
| 10 | Hydraulic analysis of drinking water pipeline inter island. <i>IOP Conference Series: Materials Science and Engineering</i> , 508, 012035                                      | 0.4 | 1  |
| 9  | Strength simulation of power window panel components design using ABS material. <i>IOP Conference Series: Materials Science and Engineering</i> , 1007, 012170                 | 0.4 | 1  |
| 8  | Utilization of machining technology in the production process of Jepara wood carving furniture. <i>IOP Conference Series: Materials Science and Engineering</i> , 1007, 012056 | 0.4 |    |
| 7  | Strength analysis for designing a bicycle transmission system without chain. <i>IOP Conference Series: Materials Science and Engineering</i> , 1007, 012168                    | 0.4 |    |
| 6  | Design of chainless bicycle transmission system using four linkages mechanism. <i>IOP Conference Series: Materials Science and Engineering</i> , 1007, 012167                  | 0.4 |    |
| 5  | Study of flood discharge due to land use and population change of Way Pisang watershed. <i>IOP Conference Series: Materials Science and Engineering</i> , 1007, 012171         | 0.4 | 1  |
| 4  | Design of power window panel components using bamboo composite material. <i>IOP Conference Series: Materials Science and Engineering</i> , 1007, 012169                        | 0.4 |    |
| 3  | Design of pick and place and color sorting system using VDI 2221. <i>IOP Conference Series: Materials Science and Engineering</i> , 1007, 012165                               | 0.4 |    |
| 2  | Design of automatic hand sanitizer with ultrasonic sensor. <i>IOP Conference Series: Materials Science and Engineering</i> , 1007, 012164                                      | 0.4 | 0  |
| 1  | Design of simulation tools hybrid transmission mechanism. <i>IOP Conference Series: Materials Science and Engineering</i> , 1007, 012166                                       | 0.4 |    |