

# Muhammad Adlim

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

425  
citations

1163117

8  
h-index

752698

20  
g-index

29  
all docs

29  
docs citations

29  
times ranked

550  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Synthesis of chitosan-stabilized platinum and palladium nanoparticles and their hydrogenation activity. <i>Journal of Molecular Catalysis A</i> , 2004, 212, 141-149.   | 4.8 | 172       |
| 2  | Gold and silver nanoparticles and indicator dyes as active agents in colorimetric spot and strip tests for mercury(II) ions: a review. <i>Mikrochimica Acta</i> , 2017, 184, 45-58.   | 5.0 | 80        |
| 3  | Progress of 3d metal-doped zinc oxide nanoparticles and the photocatalytic properties. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103175.  | 4.9 | 33        |
| 4  | Green synthesis of chitosan-stabilized silver-colloidal nanoparticles immobilized on white-silica-gel beads and the antibacterial activities in a simulated-air-filter. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103596. | 4.9 | 24        |
| 5  | Carbon Dot/Polymer Composites with Various Precursors and Their Sensing Applications: A Review. <i>Coatings</i> , 2021, 11, 1100.   | 2.6 | 22        |
| 6  | Nutrient release properties of a urea-magnesium natural rubber composite coated with chitosan. <i>Environmental Technology and Innovation</i> , 2019, 16, 100442.   | 6.1 | 18        |
| 7  | Indonesian adolescents' perspectives on smoking habits: a qualitative study. <i>BMC Public Health</i> , 2021, 21, 82.   | 2.9 | 12        |
| 8  | The properties of Pd/Au bimetallic colloidal catalysts stabilized by chitosan and prepared by simultaneous and stepwise chemical reduction of the precursor ions. <i>Kinetics and Catalysis</i> , 2013, 54, 586-596.            | 1.0 | 10        |
| 9  | Preparation and characterization natural rubber-urea-tablets coated by chitosan. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 380, 012010.   | 0.6 | 7         |
| 10 | Cellulosic fiber nanocomposite application review with zinc oxide antimicrobial agent nanoparticle: an opt for COVID-19 purpose. <i>Environmental Science and Pollution Research</i> , 2023, 30, 16779-16796.                   | 5.3 | 7         |
| 11 | Synthesis of iron-doped zinc oxide (Fe-ZnO) nanoparticles by using several stabilizers. <i>Journal of Physics: Conference Series</i> , 2021, 1882, 012109.  | 0.4 | 6         |
| 12 | Stabilizing method for mercury vapor release from burning amalgam mimicking the practice of artisanal small scale gold mining. <i>Environmental Technology and Innovation</i> , 2019, 13, 74-81.                                | 6.1 | 5         |
| 13 | Highly reusable chitosan-stabilized Fe-ZnO immobilized onto fiberglass cloth and the photocatalytic degradation properties in batch and loop reactors. <i>Journal of Saudi Chemical Society</i> , 2022, 26, 101452.             | 5.2 | 5         |
| 14 | Chitosan-stabilized Silver Nanoparticles for Colorimetric Assay of Mercury (II) Ions in aqueous system. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 352, 012049.                                    | 0.6 | 4         |
| 15 | Immobilization of Silver Nanoparticles on Chitosan-Coated Silica-Gel-Beads and the Antibacterial Activity. <i>Key Engineering Materials</i> , 0, 892, 36-42.  | 0.4 | 3         |
| 16 | Immobilization of Sulfur from Different Precursors on Mini Rice-Husk-Ash Pellet Coated Chitosan Film and the Application for Mercury Vapor Uptake. <i>Indonesian Journal of Chemistry</i> , 2019, 19, 386.                      | 0.8 | 3         |
| 17 | STEM learning in regular and vocational high schools on the topic of scientific menu card fabrication. <i>Journal of Physics: Conference Series</i> , 2018, 1088, 012112.   | 0.4 | 2         |
| 18 | Preparation and characterization compatible pellets for immobilization of colloidal sulphur nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 334, 012041.                                 | 0.6 | 2         |

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|----|---|-----|-----------|
| 19 | Preparation of Chitosan-Silver Nanoparticles Immobilized onto Pumice for Antibacterial Testing Against Escherichia coli. Lecture Notes in Mechanical Engineering, 2021, , 63-71.  | 0.4 | 2         |
| 20 | Simple Preparations and Characterizations of Activated-Carbon- Clothes from Palm-Kernel-Shell for Ammonia Vapor Adsorption and Skim-Latex-Odor Removal. Indonesian Journal of Chemistry, 2021, 21, 920.                 | 0.8 | 2         |
| 21 | Mercury (II) Ions Assessment as a Toxic Waste Hazard in Solution Based on Imagery Data for a Part of Environmental Disaster Management. IOP Conference Series: Earth and Environmental Science, 2019, 273, 012052.      | 0.3 | 1         |
| 22 | Project-based learning on water filtration experiment in high school chemistry subject. Journal of Physics: Conference Series, 2020, 1460, 012082.  | 0.4 | 1         |
| 23 | Properties of slow release magnesium and calcium nitrate tablets composed of rice-husk-ash with chitosan coating, within water and in several types of soil. Journal of Physics: Conference Series, 2020, 1529, 032085. | 0.4 | 1         |
| 24 | STEM learning of "value-added on banana chips" to enhance students' motivation and entrepreneurship attitude in a rural school. Journal of Physics: Conference Series, 2021, 1882, 012163.                              | 0.4 | 1         |
| 25 | The Preparation and Characterization of Fe-ZnO Nanoparticles Immobilized onto Fiberglass Cloth. Defect and Diffusion Forum, 0, 402, 115-124.  | 0.4 | 1         |
| 26 | A RANDOMIZED CONTROLLED TRIAL ON THE ISLAMIC-BASED PROGRAM USING FAMILY APPROACHES IN PREVENTING ADOLESCENTS' SMOKING BEHAVIOR IN INDONESIA: A STUDY PROTOCOL. Belitung Nursing Journal, 2020, 6, 136-140.              | 1.0 | 1         |
| 27 | Determination of iron content within iron sands from Lampanah-Lengah estuary using various analytical methods. IOP Conference Series: Earth and Environmental Science, 2019, 348, 012007.                               | 0.3 | 0         |
| 28 | Technological pedagogical and content knowledge (TPACK) of science teachers in a suburban area. Journal of Physics: Conference Series, 2020, 1460, 012135.  | 0.4 | 0         |
| 29 | Scale-up preparation and testing of activated-carbon-cloth as carbon-filter prototypes for ammonia-vapor adsorption. Journal of Physics: Conference Series, 2021, 1882, 012108.   | 0.4 | 0         |