# Fatin Aliah Phang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6108530/publications.pdf

Version: 2024-02-01

| | | | |
|---|---|---|---|
| 55 papers | 228 citations | 1307594 7 h-index | 1199594 12 g-index |
| 57 all docs | 57 docs citations | 57 times ranked | 151 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Environmental Awareness in Batik Making Process. Sustainability, 2022, 14, 6094. | 3.2 | 4 |
| 2 | The Future of Science Labs: Choosing Virtual Laboratory for Hands-on Instruction in Physics Education. Lecture Notes in Educational Technology, 2021, , 31-39. | 0.8 | 0 |
| 3 | Integrating Drone Technology in Service Learning for Engineering Students. International Journal of Emerging Technologies in Learning, 2021, 16, 78. | 1.3 | 5 |
| 4 | Engineering Students Learning Experience through a Unique Global Project-Based Learning. International Journal of Emerging Technologies in Learning, 2021, 16, 236. | 1.3 | 1 |
| 5 | The implementation of PjBL-STEM model to improve eight gradersâ€™ scientific literacy. AIP Conference Proceedings, 2020, , . | 0.4 | 1 |
| 6 | CarbonFree â€“ A Multi-platform Application for Low Carbon Education. Advances in Intelligent Systems and Computing, 2020, , 1159-1169. | 0.6 | 0 |
| 7 | The introduction to engineering course: A case study from Universiti Teknologi Malaysia. Education for Chemical Engineers, 2019, 28, 45-53. | 4.8 | 10 |
| 8 | Physics on the Go: A Mobile Computer-Based Physics Laboratory for Learning Forces and Motion. International Journal of Emerging Technologies in Learning, 2019, 14, 167. | 1.3 | 7 |
| 9 | Instilling Low Carbon Awareness through Technology-Enhanced Cooperative Problem Based Learning. International Journal of Emerging Technologies in Learning, 2019, 14, 152. | 1.3 | 6 |
| 10 | Perception of Complex Engineering Problem Solving Among EngineerÄ±ng Educators. Advances in Intelligent Systems and Computing, 2018, , 215-224. | 0.6 | 4 |
| 11 | Cooperative Problem Based Learning: How does it foster metacognitive skills?. , 2018, , . | | 2 |
| 12 | Characteristics of Student Centred Learning from the Perspective of Engineering Lecturers. Advances in Intelligent Systems and Computing, 2018, , 343-351. | 0.6 | 1 |
| 13 | Learning Physics Through Practical Work at School Laboratories. Advanced Science Letters, 2018, 24, 41-43. | 0.2 | 2 |
| 14 | The Relationship Between Mentoring in Studentsâ€™ Perception Towards STEM Education. Advanced Science Letters, 2018, 24, 72-73. | 0.2 | 2 |
| 15 | Metacognitive Development in Engineering Students Through Cooperative Problem Based Learning (CPBL). Advances in Intelligent Systems and Computing, 2018, , 107-120. | 0.6 | 2 |
| 16 | Motivating Engineering Students to Engage in Learning Computer Programming. Advances in Intelligent Systems and Computing, 2018, , 143-157. | 0.6 | 2 |
| 17 | Item and Person Reliability Analysis for the Development of Physics Scientific Epistemological Measurement for Teacher (PSET) Instrument. Advanced Science Letters, 2018, 24, 54-56. | 0.2 | 0 |
| 18 | Comparing Multi Modal Representations of Latent Heat Concepts Among Physics Teachers. Advanced Science Letters, 2018, 24, 15-17. | 0.2 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Sensitivity Mapping for Electrical Tomography Using Finite Element Method. International Journal of Integrated Engineering, 2018, 10, . | 0.4 | 0 |
| 20 | Metacognitive Development in Engineering Students Through Cooperative Problem Based Learning (CPBL). , 2017, , . | | 0 |
| 21 | Physics Practical Works using Microcomputer-Based Learning through Mobile Science Laboratory. , 2017, , . | | 1 |
| 22 | Enrichment of Problem Solving Skills Among Engineering Students through Cooperative Problem Based Learning. , 2017, , . | | 9 |
| 23 | Cooperative Problem-Based Learning to Develop 21st Century Skills among Secondary School Students through STEM Education. , 2017, , . | | 5 |
| 24 | Portable Electrical Capacitance Tomography Device for Teaching and Learning of Engineering Instrumentation in Electrical Engineering Laboratory. , 2017, , . | | 0 |
| 25 | Impact of Effective Assessment towards Students' Motivation in Computer Programming Course. , 2017, , . | | 2 |
| 26 | Single-Plane Dual-Modality Tomography for Multiphase Flow Imaging by Integrating Electrical Capacitance and Ultrasonic Sensors. IEEE Sensors Journal, 2017, 17, 6368-6377. | 4.7 | 43 |
| 27 | The Roles of Parents in Their Childrenâ€™s Physics Problem-Solving Ability. Advanced Science Letters, 2017, 23, 7517-7520. | 0.2 | 1 |
| 28 | Iskandar Malaysia Ecolife Challenge: low-carbon education for teachers and students. Clean Technologies and Environmental Policy, 2016, 18, 2525-2532. | 4.1 | 7 |
| 29 | Hardware Development of Electrical Capacitance Tomography (ECT) System with Capacitance Sensor for Liquid Measurements. Jurnal Teknologi (Sciences and Engineering), 2015, 73, . | 0.4 | 3 |
| 30 | FINITE ELEMENT ANALYSIS ON ELECTRICAL CAPACITANCE SENSOR GUARD. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock | 0.4 | 0 |
| 31 | Mobile Electrical Capacitance Tomography (ECT) Development for Liquid-Gas Flow Measurement. Jurnal Teknologi (Sciences and Engineering), 2015, 73, . | 0.4 | 1 |
| 32 | Science and Arts Streams Studentsâ€™ Scientific Epistemological Beliefs. International Education Studies, 2015, 8, . | 0.6 | 4 |
| 33 | 3D MODELLING OF ELECTRICAL CAPACITANCE AND ULTRASONIC SENSOR INTEGRATION USING FINITE ELEMENT METHOD. Jurnal Teknologi (Sciences and Engineering), 2015, 77, . | 0.4 | 2 |
| 34 | Image Fusion Using Fuzzy Logic Pixel Fusion for Dual Modality Tomography System. Jurnal Teknologi (Sciences and Engineering), 2014, 70, . | 0.4 | 2 |
| 35 | Assessing and Improving Reflective Thinking of Experienced and Inexperienced Teachers. Procedia, Social and Behavioral Sciences, 2014, 141, 633-639. | 0.5 | 10 |
| 36 | Postgraduate Supervision: Supervisors versus Students. , 2014, , . | | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Measuring Teachers Reflective Thinking Skills. Procedia, Social and Behavioral Sciences, 2014, 141, 640-647. | 0.5 | 17 |
| 38 | How to develop engineering students' problem solving skills using cooperative problem based learning (CPBL). Qscience Proceedings, 2014, , . | 0.0 | 9 |
| 39 | The development and establishment of the Centre for Engineering Education (CEE) Universiti Teknologi Malaysia. Engineering Education Letters, 2014, 2015, . | 0.0 | 0 |
| 40 | Edge Detection Algorithm For Enhancement of Linear Back Projection Tomographic Images. Jurnal Teknologi (Sciences and Engineering), 2014, 69, . | 0.4 | 1 |
| 41 | Taking the â€œGuess-workâ€•Out of Engineering Education: Establishing the Virtuous Cycle of Research. Procedia, Social and Behavioral Sciences, 2013, 102, 212-220. | 0.5 | 6 |
| 42 | Preliminary Study to Determine the Current Status of Engineering Programmes at the Malaysian Public Universities. Procedia, Social and Behavioral Sciences, 2013, 102, 577-586. | 0.5 | 1 |
| 43 | Preferred Communication Channels to Foster Energy Conservation Behaviour among Public Office Building Users: A Study in Kota Iskandar. Jurnal Teknologi (Sciences and Engineering), 2013, 64, . | 0.4 | 0 |
| 44 | A Novel Electrical Cpacitance Sensor Design For Dual Modality Tomography Multiphase Measurement. Jurnal Teknologi (Sciences and Engineering), 2013, 64, . | 0.4 | 8 |
| 45 | Comparison Between Characteristics of Creativity in Physics Practical Work and Physics Innovative Project Among Pre-service Physics Teacher. Jurnal Teknologi (Sciences and Engineering), 2013, 63, . | 0.4 | 1 |
| 46 | Mastery Goals, Performance Goals, Students' Beliefs and Academic Success: Metacognition as a Mediator. Procedia, Social and Behavioral Sciences, 2012, 46, 3603-3608. | 0.5 | 7 |
| 47 | Are Math-Oriented Critical Thinking Elements in Civil Engineering Workplace Problems Significant?: Insights from Preliminary Data and Analysis. Procedia, Social and Behavioral Sciences, 2012, 56, 96-107. | 0.5 | 4 |
| 48 | Scientific Skills among Pre-Service Science Teachers at Universiti Teknologi Malaysia. Procedia, Social and Behavioral Sciences, 2012, 56, 307-313. | 0.5 | 4 |
| 49 | Engineering Elements between First Year and Final Year Engineering Students in Malaysia. Procedia, Social and Behavioral Sciences, 2012, 56, 333-340. | 0.5 | 0 |
| 50 | Technological Pedagogical and Content Knowledge among Undergraduate Education Degree Students at Universiti Teknologi Malaysia. Procedia, Social and Behavioral Sciences, 2012, 56, 432-440. | 0.5 | 3 |
| 51 | Student Perceptions Change in a Chemical Engineering Class using Cooperative Problem Based Learning (CPBL). Procedia, Social and Behavioral Sciences, 2012, 56, 627-635. | 0.5 | 4 |
| 52 | Physics Studies and Generic Attributes. Procedia, Social and Behavioral Sciences, 2012, 56, 691-702. | 0.5 | 1 |
| 53 | Creating a Constructively Aligned Learning Environment using Cooperative Problem Based Learning (CPBL) for a Typical Course. Procedia, Social and Behavioral Sciences, 2012, 56, 747-757. | 0.5 | 12 |
| 54 | Engineering elements profile among first- and final-year engineering students in Malaysia. , 2011, , . | | 4 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Patterns of Physics Problem-solving and Metacognition among Secondary School Students: A Comparative Study between the UK and Malaysian Cases. International Journal of Interdisciplinary Social Sciences, 2010, 5, 309-324. | 0.1 | 3 |