

Fatin Aliah Phang

List of Publications by Year in descending order

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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	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
2	Measuring Teachers Reflective Thinking Skills. Procedia, Social and Behavioral Sciences, 2014, 141, 640-647.	0.5	17
3	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
4	Assessing and Improving Reflective Thinking of Experienced and Inexperienced Teachers. Procedia, Social and Behavioral Sciences, 2014, 141, 633-639.	0.5	10
5	The introduction to engineering course: A case study from Universiti Teknologi Malaysia. Education for Chemical Engineers, 2019, 28, 45-53.	4.8	10
6	How to develop engineering students' problem solving skills using cooperative problem based learning (CPBL). Qscience Proceedings, 2014, , .	0.0	9
7	Enrichment of Problem Solving Skills Among Engineering Students through Cooperative Problem Based Learning. , 2017, , .		9
8	A Novel Electrical Capacitance Sensor Design For Dual Modality Tomography Multiphase Measurement. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.4	8
9	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
10	Iskandar Malaysia Ecolife Challenge: low-carbon education for teachers and students. Clean Technologies and Environmental Policy, 2016, 18, 2525-2532.	4.1	7
11	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
12	Taking the "Guess-work" Out of Engineering Education: Establishing the Virtuous Cycle of Research. Procedia, Social and Behavioral Sciences, 2013, 102, 212-220.	0.5	6
13	Instilling Low Carbon Awareness through Technology-Enhanced Cooperative Problem Based Learning. International Journal of Emerging Technologies in Learning, 2019, 14, 152.	1.3	6
14	Cooperative Problem-Based Learning to Develop 21st Century Skills among Secondary School Students through STEM Education. , 2017, , .		5
15	Integrating Drone Technology in Service Learning for Engineering Students. International Journal of Emerging Technologies in Learning, 2021, 16, 78.	1.3	5
16	Engineering elements profile among first- and final-year engineering students in Malaysia. , 2011, , .		4
17	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
18	Scientific Skills among Pre-Service Science Teachers at Universiti Teknologi Malaysia. Procedia, Social and Behavioral Sciences, 2012, 56, 307-313.	0.5	4

#	ARTICLE	IF	CITATIONS
19	Student Perceptions Change in a Chemical Engineering Class using Cooperative Problem Based Learning (CPBL). <i>Procedia, Social and Behavioral Sciences</i> , 2012, 56, 627-635.	0.5	4
20	Science and Arts Streams Studentsâ€™ Scientific Epistemological Beliefs. <i>International Education Studies</i> , 2015, 8, .	0.6	4
21	Perception of Complex Engineering Problem Solving Among EngineerÄ±ng Educators. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 215-224.	0.6	4
22	Environmental Awareness in Batik Making Process. <i>Sustainability</i> , 2022, 14, 6094.	3.2	4
23	Technological Pedagogical and Content Knowledge among Undergraduate Education Degree Students at Universiti Teknologi Malaysia. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 56, 432-440.	0.5	3
24	Postgraduate Supervision: Supervisors versus Students. , 2014, , .		3
25	Hardware Development of Electrical Capacitance Tomography (ECT) System with Capacitance Sensor for Liquid Measurements. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 73, .	0.4	3
26	Patterns of Physics Problem-solving and Metacognition among Secondary School Students: A Comparative Study between the UK and Malaysian Cases. <i>International Journal of Interdisciplinary Social Sciences</i> , 2010, 5, 309-324.	0.1	3
27	Image Fusion Using Fuzzy Logic Pixel Fusion for Dual Modality Tomography System. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 70, .	0.4	2
28	Impact of Effective Assessment towards Students' Motivation in Computer Programming Course. , 2017, , .		2
29	Cooperative Problem Based Learning: How does it foster metacognitive skills?. , 2018, , .		2
30	Learning Physics Through Practical Work at School Laboratories. <i>Advanced Science Letters</i> , 2018, 24, 41-43.	0.2	2
31	The Relationship Between Mentoring in Studentsâ€™ Perception Towards STEM Education. <i>Advanced Science Letters</i> , 2018, 24, 72-73.	0.2	2
32	3D MODELLING OF ELECTRICAL CAPACITANCE AND ULTRASONIC SENSOR INTEGRATION USING FINITE ELEMENT METHOD. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 77, .	0.4	2
33	Metacognitive Development in Engineering Students Through Cooperative Problem Based Learning (CPBL). <i>Advances in Intelligent Systems and Computing</i> , 2018, , 107-120.	0.6	2
34	Motivating Engineering Students to Engage in Learning Computer Programming. <i>Advances in Intelligent Systems and Computing</i> , 2018, , 143-157.	0.6	2
35	Physics Studies and Generic Attributes. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 56, 691-702.	0.5	1
36	Preliminary Study to Determine the Current Status of Engineering Programmes at the Malaysian Public Universities. <i>Procedia, Social and Behavioral Sciences</i> , 2013, 102, 577-586.	0.5	1

#	ARTICLE	IF	CITATIONS
37	Mobile Electrical Capacitance Tomography (ECT) Development for Liquid-Gas Flow Measurement. Jurnal Teknologi (Sciences and Engineering), 2015, 73, .	0.4	1
38	Physics Practical Works using Microcomputer-Based Learning through Mobile Science Laboratory. , 2017, , .		1
39	The implementation of PjBL-STEM model to improve eight gradersâ€™ scientific literacy. AIP Conference Proceedings, 2020, , .	0.4	1
40	Engineering Students Learning Experience through a Unique Global Project-Based Learning. International Journal of Emerging Technologies in Learning, 2021, 16, 236.	1.3	1
41	Characteristics of Student Centred Learning from the Perspective of Engineering Lecturers. Advances in Intelligent Systems and Computing, 2018, , 343-351.	0.6	1
42	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
43	Edge Detection Algorithm For Enhancement of Linear Back Projection Tomographic Images. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	1
44	The Roles of Parents in Their Childrenâ€™s Physics Problem-Solving Ability. Advanced Science Letters, 2017, 23, 7517-7520.	0.2	1
45	Engineering Elements between First Year and Final Year Engineering Students in Malaysia. Procedia, Social and Behavioral Sciences, 2012, 56, 333-340.	0.5	0
46	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
47	The development and establishment of the Centre for Engineering Education (CEE) Universiti Teknologi Malaysia. Engineering Education Letters, 2014, 2015, .	0.0	0
48	FINITE ELEMENT ANALYSIS ON ELECTRICAL CAPACITANCE SENSOR GUARD. Jurnal Teknologi (Sciences and Engineering), 2014, 76, .	0.4	0
49	Metacognitive Development in Engineering Students Through Cooperative Problem Based Learning (CPBL). , 2017, , .		0
50	Portable Electrical Capacitance Tomography Device for Teaching and Learning of Engineering Instrumentation in Electrical Engineering Laboratory. , 2017, , .		0
51	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
52	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
53	Comparing Multi Modal Representations of Latent Heat Concepts Among Physics Teachers. Advanced Science Letters, 2018, 24, 15-17.	0.2	0
54	Sensitivity Mapping for Electrical Tomography Using Finite Element Method. International Journal of Integrated Engineering, 2018, 10, .	0.4	0

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55	CarbonFree – A Multi-platform Application for Low Carbon Education. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 1159-1169.	0.6	0