

Heru Kuswanto

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

376
citations

1307366

7
h-index

940416

16
g-index

72
all docs

72
docs citations

72
times ranked

135
citing authors

#	ARTICLE	IF	CITATIONS
1	The effectiveness of the use of the Android-based Carom games comic integrated to discovery learning in improving critical thinking and mathematical representation abilities. <i>Journal of Technology and Science Education</i> , 2021, 11, 270.	0.5	2
2	Heat and temperature metacognition awareness inventory: A confirmatory factor analysis. <i>International Journal of Evaluation and Research in Education</i> , 2021, 10, 389.	0.4	4
3	Using Arduino and online block-structured programming language for physics practical work. <i>Physics Education</i> , 2021, 56, 055028.	0.3	3
4	The effect of the use of indigenous knowledge-based Physics comics of Android-based marbles games on verbal representation and critical thinking abilities in Physics teaching. <i>Journal of Technology and Science Education</i> , 2021, 11, 581.	0.5	0
5	Improving Students'™ Mathematical Representation of Physics and Critical Thinking Abilities Using the CAKA Mobile Media Based on Local Wisdom. <i>International Journal of Interactive Mobile Technologies</i> , 2021, 15, 72.	0.7	0
6	The Indonesian Version of the Physics Metacognition Inventory: Confirmatory Factor Analysis and Rasch Model. <i>European Journal of Educational Research</i> , 2021, volume-10-2021, 2133-2144.	0.7	1
7	Utilization of the phyphox application (physical phone experiment) to calculate the moment of inertia of hollow cylinders. <i>Jurnal Ilmiah Pendidikan Fisika Al-Biruni</i> , 2021, 10, 231-240.	0.4	0
8	Study of reverse planting techniques on rice as physical science learning materials. <i>Jurnal Pijar Mipa</i> , 2021, 16, 449-453.	0.1	0
9	Implementation of Rasch Model for Mapping Students'™ Metacognitive Awareness. <i>Jurnal Pendidikan Fisika Indonesia</i> , 2021, 17, 86-93.	0.4	0
10	Rasch Analysis to Evaluate the Psychometric Properties of Junior Metacognitive Awareness Inventory in the Indonesian Context. <i>Jurnal Pendidikan IPA Indonesia</i> , 2021, 10, 486-495.	0.5	1
11	Creating physics comic media dol (a Bengkulu local wisdom musical instrument) in sound wave topic. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	4
12	Developing local wisdom-based mobile science learning in manufacturing sasirangan fabric to improve ICT literacy facility of junior high school students. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
13	Development of android-based comics integrated with scientific approach in physics learning. <i>Journal of Physics: Conference Series</i> , 2020, 1440, 012040.	0.3	5
14	Learning optics with android-assisted comics: the impacts on students critical thinking. <i>Journal of Physics: Conference Series</i> , 2020, 1440, 012055.	0.3	4
15	Development of Analogy-Based Material Physics Module to Provide Analogy Ability of Physics Teachers Candidates. <i>Jurnal Pendidikan Fisika Indonesia</i> , 2020, 16, 34-40.	0.4	2
16	CAKA as Physics Learning Media Based on Android Apps on Smartphones. <i>Journal of Physics: Conference Series</i> , 2019, 1227, 012032.	0.3	3
17	Development of Comic Integrated Student Worksheet to Improve Critical Thinking Ability in Microscope Material. <i>Journal of Physics: Conference Series</i> , 2019, 1233, 012069.	0.3	5
18	The Influence of Project Based Learning based on Process Skills Approach to Student'™s Creative Thinking Skill. <i>Journal of Physics: Conference Series</i> , 2019, 1233, 012033.	0.3	2

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19	Karapan Sapi as Android-Based Learning Module Material of Physics. Journal of Physics: Conference Series, 2019, 1233, 012063.	0.3	3
20	The Effect of Scaffolding Approach Assisted by PhET Simulation on the Achievement of Science Process Skills in Physics. Journal of Physics: Conference Series, 2019, 1233, 012035.	0.3	4
21	Optimizing Senior High School Students Creative Thinking Skills of Optical Devices through Inductive Learning Models Assisted by e-Mind Map. Journal of Physics: Conference Series, 2019, 1233, 012029.	0.3	1
22	The Implementation of Problem-based Learning Model with Online Simulation to Enhance the Student's Analytical Thinking Skill in Learning Physics. Journal of Physics: Conference Series, 2019, 1233, 012030.	0.3	4
23	The Effect of Scaffolding Approach Assisted by PhET Simulation on Students' Conceptual Understanding and Students' Learning Independence in Physics. Journal of Physics: Conference Series, 2019, 1233, 012036.	0.3	6
24	The Effect of PjBL Model based on Skill Approach Process to Physics Critical Thinking Ability of High School Student. Journal of Physics: Conference Series, 2019, 1233, 012040.	0.3	2
25	Implementation of Problem Based Learning Model Assisted Edmodo to Measure Students Scientific Communication Skills. Journal of Physics: Conference Series, 2019, 1233, 012041.	0.3	0
26	Multimedia Learning Module Development based on SIGIL Software in Physics Learning. Journal of Physics: Conference Series, 2019, 1233, 012042.	0.3	3
27	Improving Mathematical Representation Ability of Student's Senior High School by Inquiry Training Model with Google Classroom. Journal of Physics: Conference Series, 2019, 1233, 012043.	0.3	3
28	SSP Development with a Scaffolding Approach Assisted by PhET Simulation on Light Refraction to Improve Students' Critical Thinking Skills and Achievement of Science Process Skills. Journal of Physics: Conference Series, 2019, 1233, 012044.	0.3	2
29	Android-Assisted Physics Comic Learning to Train Students' Conceptual Understanding of Newton's Gravity. Journal of Physics: Conference Series, 2019, 1233, 012045.	0.3	6
30	The Effect of Inductive Learning Model Assisted Mindmap Mindjet Mindmanager towards Critical Thinking Skills of Students. Journal of Physics: Conference Series, 2019, 1233, 012046.	0.3	2
31	Developing of Learning Instruments based on Software Tracker in Measuring Cognitive Learning Outcomes. Journal of Physics: Conference Series, 2019, 1233, 012047.	0.3	3
32	Mathematical Representations Mapping of High School Students after using Multimedia Learning Modules Assisted by an Android Smartphone. Journal of Physics: Conference Series, 2019, 1233, 012049.	0.3	4
33	Scientific Attitudes Mapping of Students after using PhEt Assisted Group Investigation Models. Journal of Physics: Conference Series, 2019, 1233, 012050.	0.3	0
34	Development of Android Comic Media for the Chapter of Newton's Gravity to Map Learning Motivation of Students. Journal of Physics: Conference Series, 2019, 1233, 012051.	0.3	7
35	Development of Android Comics media on Thermodynamic Experiment to Map the Science Process Skill for Senior High School. Journal of Physics: Conference Series, 2019, 1233, 012052.	0.3	3
36	Developing Learning Instruments using Tracker in Measuring Students' Science Process Skills. Journal of Physics: Conference Series, 2019, 1233, 012053.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Android-based Physics Comic Media Development on Thermodynamic Experiment for Mapping Cooperate Attitude for Senior High School. <i>Journal of Physics: Conference Series</i> , 2019, 1233, 012054.	0.3	6
38	Multimedia Learning Modules Development based on Android Assisted in Light Diffraction Concept. <i>Journal of Physics: Conference Series</i> , 2019, 1233, 012056.	0.3	0
39	Development of Student Worksheet through Deep Questions with Physics Comics to Train High Order Thinking Skill in High School Students in Optical Instrument Lup for Maximum Accommodation Eyes. <i>Journal of Physics: Conference Series</i> , 2019, 1233, 012057.	0.3	2
40	The Effect of Web-Assisted Problem Based Learning Model on Physics Conceptual Understanding of 10th Grade Students. <i>Journal of Physics: Conference Series</i> , 2019, 1233, 012058.	0.3	1
41	The Effect of Web-Assisted Problem Based Learning Model Towards Physics Problem Solving Ability of Class X Students. <i>Journal of Physics: Conference Series</i> , 2019, 1233, 012059.	0.3	2
42	Learning with the Social Media Assisted Science, Technology and Society Approach to Improve Self-Learning Motivation. <i>Journal of Physics: Conference Series</i> , 2019, 1233, 012060.	0.3	3
43	Enhancing Students' Critical Thinking Skills through Physics Education Technology Simulation Assisted of Scaffolding Approach. <i>Journal of Physics: Conference Series</i> , 2019, 1233, 012062.	0.3	6
44	Subject Specific Pedagogy Development with Scaffolding Approach Assisted by PhET Simulation on Momentum Conservation Law to Improve Students' Conceptual Understanding and Learning Independence. <i>Journal of Physics: Conference Series</i> , 2019, 1233, 012066.	0.3	1
45	Application of Outdoor Inquiry Learning Model on Cognitive Learning Outcomes of Class XI Senior High School Students. <i>Journal of Physics: Conference Series</i> , 2019, 1233, 012070.	0.3	1
46	Developing an Essay Test Instrument for Measuring Diagram Representation and the Capability of Argumentation on Newton's Law. <i>Journal of Physics: Conference Series</i> , 2019, 1227, 012030.	0.3	2
47	The Effects of Web-Assisted Problem Based Learning Model of Physics Learning on High School Students' Critical Thinking Skills. <i>Journal of Physics: Conference Series</i> , 2019, 1233, 012048.	0.3	2
48	Application of Multimedia Learning Modules assisted by Tracker Virtual Laboratory to Train Verbal Representation of Class XI High School Students. <i>Journal of Physics: Conference Series</i> , 2019, 1233, 012055.	0.3	0
49	The effect of frequency owl's sound, crickets, and combination of both towards rat reaction. <i>AIP Conference Proceedings</i> , 2019, . .	0.3	0
50	The Effect of Laboratory Work Style and Reasoning with Arduino to Improve Scientific Attitude. <i>International Journal of Instruction</i> , 2019, 12, 321-336.	0.6	7
51	Developing Jemparingan Tradition-Based and Android-Assisted Learning Media for Improving the Graphic and Vector Representation Ability. <i>International Journal of Interactive Mobile Technologies</i> , 2019, 13, 58.	0.7	4
52	The Effectiveness of Physics Mobile Learning (PML) with Hombobatu theme to Improve the Ability of Diagram Representation and Critical Thinking of Senior High School Students. <i>International Journal of Instruction</i> , 2019, 12, 471-490.	0.6	6
53	Effect of Real-time Physics Organizer Based Smartphone and Indigenous Technology to Students' Scientific Literacy Viewed from Gender Differences. <i>International Journal of Instruction</i> , 2019, 12, 253-270.	0.6	9
54	Mapping Students' Problem-Solving Skills in Physics Subject After Inquiry Learning at Class X SMAN 1 Prambanan. <i>Jurnal Pendidikan Fisika Indonesia</i> , 2019, 15, 60-69.	0.4	1

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55	The influence of curvature configuration on the characteristic of alcohol gel insertion jacket of polymer optical fiber liquid level sensor. <i>Journal of Physics: Conference Series</i> , 2018, 1011, 012053.	0.3	0
56	Improving the Competence of Diagrammatic and Argumentative Representation in Physics through Android-based Mobile Learning Application. <i>International Journal of Instruction</i> , 2018, 11, 106-122.	0.6	28
57	The honey insertion cladding to improve the sensitivity of temperature polymer optical fiber sensor. <i>Journal of Physics: Conference Series</i> , 2018, 1011, 012054.	0.3	0
58	Android-Assisted Mobile Physics Learning Through Indonesian Batik Culture: Improving Students' Creative Thinking and Problem Solving. <i>International Journal of Instruction</i> , 2018, 11, 287-302.	0.6	20
59	Biomechanics of kicking ball by using aid tool "Parabolic Miraculous Legs". <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
60	Virtual Physics Laboratory Application Based on the Android Smartphone to Improve Learning Independence and Conceptual Understanding. <i>International Journal of Instruction</i> , 2018, 11, 1-16.	0.6	108
61	Development of Physics Mobile Learning Based on Local Wisdom to Improve Vector and Diagram Representation Abilities. <i>International Journal of Interactive Mobile Technologies</i> , 2018, 12, 85.	0.7	10
62	Android-assisted physics mobile learning to improve senior high school students' divergent thinking skills and physics HOTS. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	11
63	Hydroxyl Properties of Hydrogenated Germanosilicate Optical Fiber Due to Thermal Treatment and Ultraviolet Irradiation. <i>Journal of Nano- and Electronic Physics</i> , 2017, 9, 01027-1-01027-4.	0.2	0
64	PENGARUH MODEL PEMBELAJARAN INSTAD TERHADAP KETERAMPILAN PROSES SAINS DAN HASIL BELAJAR KOGNITIF FISIKA DI SMA. <i>Jurnal Inovasi Pendidikan IPA</i> , 2015, 1, 202.	0.1	19
65	Evaluation of the Suitability of Acoustic Characteristics of Electronic & Demung to the Original & Demung. <i>Indian Journal of Science and Technology</i> , 2015, 8, 122.	0.5	1
66	Formation et transformation de défauts ponctuels par insolation UV dans les diélectriques à base de silice: application à l'intégration de composants optiques sur fibre. <i>European Physical Journal Special Topics</i> , 2003, 108, 23-27.	0.2	0
67	Temperature, H ₂ loading and ultra violet irradiation effects in germanosilicate optical fibers: laser spectroscopy measurements. <i>Journal of Non-Crystalline Solids</i> , 2001, 280, 277-280.	1.5	2
68	High blue power influence on the visible emissions of Er ³⁺ -doped germanosilicate optical fibres. <i>Optics Communications</i> , 1999, 170, 235-239.	1.0	2
69	Luminescence spectroscopy of hydrogen-associated defects in hydrogen-loaded and heated germanosilicate optical fibres. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1999, 79, 2137-2143.	0.6	5
70	LUMINESCENCE PROPERTIES OF HYDROGEN LOADED GERMANOSILICATE OPTICAL FIBERS. , 1999, , .		0
71	Difference among Levels of Inquiry: Process Skills Improvement at Senior High School in Indonesia. <i>International Journal of Instruction</i> , 0, , 119-130.	0.6	26