

Chokchai Yuenyong

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

305
citations

1163117
8
h-index

1199594
12
g-index

100
all docs

100
docs citations

100
times ranked

103
citing authors

#	ARTICLE	IF	CITATIONS
1	STEM Education Teaching approach: Inquiry from the Context Based. Journal of Physics: Conference Series, 2019, 1340, 012003.	0.4	36
2	A Comparison of Thailand and New Zealand Students' Ideas About Energy Related to Technological and Societal Issues. International Journal of Science and Mathematics Education, 2008, 6, 293-311.	2.5	17
3	Enhancing Grade 12 Students' Critical Thinking and Problem-Solving Ability in Learning of the STS Genetics and DNA Technology Unit. Journal for the Education of Gifted Young Scientists, 0, , 215-235.	0.7	14
4	Trends and Research Issues of STEM Education: A Review of Academic Publications from 2007 to 2017. Journal of Physics: Conference Series, 2019, 1340, 012069.	0.4	13
5	Developing critical thinking of students through STEM educational orientation program in Vietnam. Journal of Physics: Conference Series, 2019, 1340, 012025.	0.4	11
6	Enhancing Scientific Literacy in Thailand. Global Studies of Childhood, 2013, 3, 86-98.	0.6	10
7	The Outcomes of Teaching and Learning about Sound based on Science Technology and Society (STS) Approach. Procedia, Social and Behavioral Sciences, 2014, 116, 2286-2292.	0.5	10
8	Students' view on STEM in learning about circular motion through STS approach. AIP Conference Proceedings, 2016, , .	0.4	9
9	LEARNING ENVIRONMENT IN VIETNAMESE PHYSICS TEACHER EDUCATION PROGRAMME THROUGH THE LENS OF CONSTRUCTIVISM: A CASE STUDY OF A STATE UNIVERSITY IN MEKONG DELTA REGION, VIETNAM. International Journal of Science and Mathematics Education, 2016, 14, 55-79.	2.5	9
10	Lesson learned of building up community of practice for STEM education in Thailand. AIP Conference Proceedings, 2019, , .	0.4	9
11	An Analysis of Grade 12 Students' Technological Capability in Learning About Electromagnetics Through Science Technology and Society Approach (STS Approach). Procedia, Social and Behavioral Sciences, 2012, 46, 5085-5093.	0.5	8
12	Graduate Students' Concepts of Nature of Science (NOS) and Attitudes toward Teaching NOS. Procedia, Social and Behavioral Sciences, 2014, 116, 2443-2452.	0.5	8
13	The Development and Validation of an Instrument of Prospective Science Teachers' Perceptions of Scientific Literacy. Eurasia Journal of Mathematics, Science and Technology Education, 2022, 18, em2068.	1.3	8
14	The study of grade 7 mental model about properties of gas in science learning through model based inquiry (MBI). AIP Conference Proceedings, 2019, , .	0.4	7
15	Implement of STEM education in Vietnamese high school: unit of acid-base reagent from purple cabbage. Journal of Physics: Conference Series, 2019, 1340, 012029.	0.4	7
16	Indonesian Students' Attitude and Interest in STEM: An Outlook on The Gender Stereotypes in The STEM Field. Journal of Physics: Conference Series, 2019, 1340, 012079.	0.4	7
17	Analysis of sustainable leadership for science learning management in the 21st Century under education THAILAND 4.0 framework. AIP Conference Proceedings, 2018, , .	0.4	6
18	Connecting Between Culture of Learning in Thai Contexts and Developing Students' Science Learning in the Formal Setting. Procedia, Social and Behavioral Sciences, 2012, 46, 5371-5378.	0.5	5

#	ARTICLE	IF	CITATIONS
19	Constructing CoRe as a Methodological for Capturing Pedagogical Content Knowledge: A Case Study of Thailand Teachers Teaching Global Warming. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 116, 421-425.	0.5	5
20	Development of Grade 10 Students' Scientific Argumentation through the Science-Technology-Society Learning Unit on Work and Energy. <i>Journal of Technology and Science Education</i> , 2019, 9, 428.	1.2	5
21	Developing a Tool to Assess Students' Views of Nature of Science in Vietnam. <i>Jurnal Pendidikan IPA Indonesia</i> , 2020, 9, 135-145.	1.3	5
22	Kindergarten's Scientific Concepts and Skills in the Tree Unit. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 116, 2120-2124.	0.5	4
23	The Pedagogical Content Knowledge Exploration from the Thai Expert Physics Teacher's Class. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 116, 389-393.	0.5	4
24	Building up STEM education professional learning community in school setting: Case of Khon Kaen Wittayayon School. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	4
25	Educational management in transition of science: Policies and strategic leaders for sustainable education 4.0 in the 21st century science classroom. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	4
26	Developing the Garbage Problem in Iligan City STEM Education Lesson Through Team Teaching. <i>Journal of Physics: Conference Series</i> , 2019, 1340, 012046.	0.4	4
27	Exploring the Metacognitive Orientation of the Science Classrooms in a Thai Context. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 46, 5116-5123.	0.5	3
28	Developing STS Circular Motion Unit for Providing Students' Perception of the Relationship between Science Technology Engineering and Mathematics. <i>Mediterranean Journal of Social Sciences</i> , 2015, , .	0.2	3
29	Dilemmas in examining understanding of nature of science in Vietnam. <i>Cultural Studies of Science Education</i> , 2017, 12, 255-269.	1.3	3
30	Improving the primary school science learning unit about force and motion through lesson study. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3
31	Developing design-based STEM education learning activities to enhance students' creative thinking. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3
32	Students' Performance in Context "Based Lessons in Mathematics Classroom. <i>Journal of Physics: Conference Series</i> , 2019, 1340, 012047.	0.4	3
33	Challenges of implementing Lesson Study in Cambodia: Mathematics and Science Teaching by using Lesson Study at Happy Chandara School. <i>Journal of Physics: Conference Series</i> , 2019, 1340, 012071.	0.4	3
34	Formulating Refreshment Drink Activity Utilizing STEM Education for Grade 8 Learners. <i>Journal of Physics: Conference Series</i> , 2019, 1340, 012078.	0.4	3
35	Learning Activities to Promote the Concept of Engineering Design Process for Grade 10 Students' Ideas about Force and Motion through Predict-Observe-Explain (POE). <i>Journal of Physics: Conference Series</i> , 2019, 1340, 012081.	0.4	3
36	Ice Cream STEM Education Learning Activity: Inquiry from the Context. <i>Journal of Physics: Conference Series</i> , 2019, 1340, 012092.	0.4	3

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37	Thai students' Decision Making About Energy Issues: The Influence of Local Values. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 46, 5045-5057.	0.5	2
38	Exploring Student Metacognition on Nuclear Energy in Secondary School. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 46, 5098-5115.	0.5	2
39	Grade 11 Students' Existing Ideas about Natures of Light. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 143, 693-697.	0.5	2
40	Initial Implementation of Constructivist Physics Teaching in Thailand: A Case of Bass Pre-service Teacher. <i>Mediterranean Journal of Social Sciences</i> , 2015, , .	0.2	2
41	Enhancing Grade 1 Thai Students' Learning about Mathematical Ideas on Addition Through Lesson Study and Open Approach. <i>Mediterranean Journal of Social Sciences</i> , 2015, , .	0.2	2
42	Developing teaching process for enhancing students' mathematical problem solving in the 21st century through STEM education. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
43	Teachers' learning on the workshop of STS approach as a way of enhancing inventive thinking skills. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
44	Grade 8 students' capability of analytical thinking and attitude toward science through teaching and learning about soil and its pollution based on science technology and society (STS) approach. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
45	Developing the Astronomy and Architecture Unit for Providing Students' Perception of the Relationship between Science, Technology, Engineering, and Mathematics. <i>Journal of Physics: Conference Series</i> , 2019, 1340, 012010.	0.4	2
46	Linear Equations in Two Variables STEM Education Learning Activities: Developing the Household Power Consumption Calculator App. <i>Journal of Physics: Conference Series</i> , 2019, 1340, 012048.	0.4	2
47	Applying the philosophy of sufficiency economy and STEAM knowledge of Grade 11 Students in the STS biodiversity Unit. <i>Journal of Physics: Conference Series</i> , 2019, 1340, 012075.	0.4	2
48	Cognitive attributes, physical and psychosocial aspects of learning environment: Its relationship to learners' chemistry achievement. <i>Journal of Physics: Conference Series</i> , 2019, 1340, 012068.	0.4	2
49	Development of STEM education learning unit in context of Vietnam Tan Cuong Tea village. <i>Journal of Physics: Conference Series</i> , 2021, 1835, 012060.	0.4	2
50	Examining Grade 5 students' capability of analytical thinking in learning about heat conduction through Predict – Observe – Explain (POE) strategy. <i>Journal of Physics: Conference Series</i> , 2021, 1835, 012024.	0.4	2
51	Investigation of Constructivist Science Learning Environment in Thai Primary Schools. <i>Mediterranean Journal of Social Sciences</i> , 2014, , .	0.2	1
52	Thai Students' Decision Making in Societal Issue of Surface Area and Concentrated Solutions as a Factor in the Rate of Chemical Reactions. <i>Mediterranean Journal of Social Sciences</i> , 2015, , .	0.2	1
53	The Outcomes of Workshop for Introduced View of Nature of Science to Vietnamese Science Teachers in Mekong Delta Region of Vietnam. <i>Mediterranean Journal of Social Sciences</i> , 2015, , .	0.2	1
54	Competencies of Thai expertise teacher and PCK. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1

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55	Thai students' mental model of chemical bonding. AIP Conference Proceedings, 2018, , .	0.4	1
56	Elementary school science teachers' reflection for nature of science: Workshop of NOS explicit and reflective on force and motion learning activity. AIP Conference Proceedings, 2018, , .	0.4	1
57	Investigating students' view on STEM in learning about electrical current through STS approach. AIP Conference Proceedings, 2018, , .	0.4	1
58	Thai student existing understanding about the solar system model and the motion of the stars. AIP Conference Proceedings, 2018, , .	0.4	1
59	Thai in-service teacher understanding of nature of science in biology teaching: Case of Mali. AIP Conference Proceedings, 2018, , .	0.4	1
60	Developing the explicit: Nature of science genetically modified organisms (GMOs) unit through 5Es learning. AIP Conference Proceedings, 2019, , .	0.4	1
61	Developing the floating restaurant STEM education learning activities for Thai secondary school students. AIP Conference Proceedings, 2019, , .	0.4	1
62	Situation of organizing STEM activities in Vietnamese Schools. Journal of Physics: Conference Series, 2019, 1340, 012030.	0.4	1
63	Developing Ellipse Properties Learning Unit with Computer Assisted Learning through GeoGebra software for Thai High School Students. Journal of Physics: Conference Series, 2019, 1340, 012051.	0.4	1
64	Assessment of Science Teacher Competence in Teaching Secondary Science with Spiral Progression Approach. Journal of Physics: Conference Series, 2019, 1340, 012059.	0.4	1
65	Explicit Nature of Science in the STS Contact Lens "Big Eyes" Unit. Journal of Physics: Conference Series, 2019, 1340, 012066.	0.4	1
66	Grade 11 Students' Mental Model of Fluid and Analytical Thinking in Science Teaching Through Science Technology and Society (STS) Approach. Journal of Physics: Conference Series, 2019, 1340, 012043.	0.4	1
67	STEM education program: manufacturing mixture of phosphate and potash fertilizer straws and waste of animal bones. Journal of Physics: Conference Series, 2019, 1340, 012050.	0.4	1
68	Examining categories of students' STEM projects in science class. Journal of Physics: Conference Series, 2021, 1835, 012019.	0.4	1
69	Development of Students' Metacognitive Strategies In Science Learning Regarding Nuclear Energy. , 2010, , .		0
70	Network in Promoting Health Literacy: A Case Study of a School under the Local Administration in Thailand. Asian Social Science, 2014, 10, .	0.2	0
71	Thai Kindergarten Students' Thinking and Communicating Skills: Using Innovation on Texts in Gifts from a Snail. Mediterranean Journal of Social Sciences, 2015, , .	0.2	0
72	Comparison of Metacognitive Orientation between Thai Urban and Rural Physics Classrooms. Mediterranean Journal of Social Sciences, 2015, , .	0.2	0

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73	Thai Pre-service Teachersâ€™ Aspects of Epistemology and Cognitive Processes for Providing Scientific Inquiry Activities. Mediterranean Journal of Social Sciences, 2015, , .	0.2	0
74	Thai Pre-service Chemistry Teachersâ€™ Constructivist Teaching Performances. Mediterranean Journal of Social Sciences, 2015, , .	0.2	0
75	Physics Teachersâ€™ Constructing Knowledge Base for Physics Teaching Regarding Constructivism in Thai Contexts. Mediterranean Journal of Social Sciences, 2015, , .	0.2	0
76	Thai primary studentsâ€™ understanding of nature of science (NOS) in learning about force and motion for explicit NOS through STS approach. AIP Conference Proceedings, 2018, , .	0.4	0
77	Grade 10 Thai studentsâ€™ scientific argumentation in learning about electric field through science, technology, and society (STS) approach. AIP Conference Proceedings, 2018, , .	0.4	0
78	Developing the STS sound pollution unit for enhancing studentsâ€™ applying knowledge among science technology engineering and mathematics. AIP Conference Proceedings, 2018, , .	0.4	0
79	Understanding primary school science teachersâ€™ pedagogical content knowledge: The case of teaching global warming. AIP Conference Proceedings, 2018, , .	0.4	0
80	A Thai pre-service teacherâ€™s understanding of nature of science in biology teaching. AIP Conference Proceedings, 2018, , .	0.4	0
81	Capturing and portraying science student teachersâ€™ pedagogical content knowledge through CoRe construction. AIP Conference Proceedings, 2018, , .	0.4	0
82	Grade 7 studentsâ€™ normative decision making in science learning about global warming through science technology and society (STS) approach. AIP Conference Proceedings, 2018, , .	0.4	0
83	Grade 1 to 6 Thai studentsâ€™ existing ideas about light: Across-age study. AIP Conference Proceedings, 2018, , .	0.4	0
84	Examining Thai high school studentsâ€™ developing STEM projects. AIP Conference Proceedings, 2018, , .	0.4	0
85	Teachersâ€™ learning about research for enhancing studentsâ€™ thinking skills in science learning. AIP Conference Proceedings, 2018, , .	0.4	0
86	Development strategies for science learning management to transition in the 21st century of Thailand 4.0. AIP Conference Proceedings, 2018, , .	0.4	0
87	Khamnadeepittayakom science teachersâ€™ concepts of nature of science (NOS) and attitudes toward teaching NOS. AIP Conference Proceedings, 2019, , .	0.4	0
88	Historical approach in motion under gravity teaching: The possibility for explicit nature of science in Thai students. AIP Conference Proceedings, 2019, , .	0.4	0
89	Analyze and causal factor the 21st century leadership 4.0 of science educational for sustainable. AIP Conference Proceedings, 2019, , .	0.4	0
90	Examining existing ideas about sustainable leadership of private school science principals. Journal of Physics: Conference Series, 2019, 1340, 012041.	0.4	0

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91	Suggested guidelines for developing sustainable leadership of private science school principals. Journal of Physics: Conference Series, 2019, 1340, 012042.	0.4	0
92	The Interpretation of Thai Kindergarten Students' Making Sense of Speed and Velocity. Journal of Physics: Conference Series, 2019, 1340, 012053.	0.4	0
93	Students' Applying STEM Knowledge in Learning on the STS-STEM Education Wave Learning Unit. Journal of Physics: Conference Series, 2019, 1340, 012054.	0.4	0
94	Current Situation of Problem Solving Ability Development for Chemistry Teaching at High Schools of Lao PDR. Journal of Physics: Conference Series, 2019, 1340, 012055.	0.4	0
95	Development of webquest using Google Site in teaching Circulatory System. Journal of Physics: Conference Series, 2019, 1340, 012060.	0.4	0
96	Implementation of Webquest in teaching Circulatory System. Journal of Physics: Conference Series, 2019, 1340, 012061.	0.4	0
97	Thai students' existing ideas about plant biological energy. Journal of Physics: Conference Series, 2019, 1340, 012063.	0.4	0
98	Investigate Grade 7 Students' Knowledge Construction About Diffusion and Osmosis. Journal of Physics: Conference Series, 2019, 1340, 012074.	0.4	0
99	Grade 11 students' mental model of the Nature of Light. Journal of Physics: Conference Series, 2019, 1340, 012086.	0.4	0
100	Examine Students' Perception on Their Critical Thinking and Problem-Solving Ability through Journal Writing for Learning about Genetics and DNA Technology. Journal of Physics: Conference Series, 2019, 1340, 012080.	0.4	0