

# Chokchai Yuenyong

## List of Publications by Year in descending order

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Version: 2024-02-01

100  
papers

305  
citations

1305906

8  
h-index

1336881

12  
g-index

100  
all docs

100  
docs citations

100  
times ranked

110  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.7	8
2	Examining categories of students'™ STEM projects in science class. Journal of Physics: Conference Series, 2021, 1835, 012019.	0.3	1
3	Development of STEM education learning unit in context of Vietnam Tan Cuong Tea village. Journal of Physics: Conference Series, 2021, 1835, 012060.	0.3	2
4	Examining Grade 5 students'™ capability of analytical thinking in learning about heat conduction through Predict " Observe " Explain (POE) strategy. Journal of Physics: Conference Series, 2021, 1835, 012024.	0.3	2
5	Developing a Tool to Assess Students'™ Views of Nature of Science in Vietnam. Jurnal Pendidikan IPA Indonesia, 2020, 9, 135-145.	0.5	5
6	Development of Grade 10 Students'™ Scientific Argumentation through the Science-Technology-Society Learning Unit on Work and Energy. Journal of Technology and Science Education, 2019, 9, 428.	0.5	5
7	The study of grade 7 mental model about properties of gas in science learning through model based inquiry (MBI). AIP Conference Proceedings, 2019, , .	0.3	7
8	Khamnadeepittayakom science teachers'™ concepts of nature of science (NOS) and attitudes toward teaching NOS. AIP Conference Proceedings, 2019, , .	0.3	0
9	Lesson learned of building up community of practice for STEM education in Thailand. AIP Conference Proceedings, 2019, , .	0.3	9
10	Developing the explicit: Nature of science genetically modified organisms (GMOs) unit through 5Es learning. AIP Conference Proceedings, 2019, , .	0.3	1
11	Historical approach in motion under gravity teaching: The possibility for explicit nature of science in Thai students. AIP Conference Proceedings, 2019, , .	0.3	0
12	Developing the floating restaurant STEM education learning activities for Thai secondary school students. AIP Conference Proceedings, 2019, , .	0.3	1
13	Analyze and causal factor the 21st century leadership 4.0 of science educational for sustainable. AIP Conference Proceedings, 2019, , .	0.3	0
14	Educational management in transition of science: Policies and strategic leaders for sustainable education 4.0 in the 21st century science classroom. AIP Conference Proceedings, 2019, , .	0.3	4
15	STEM Education Teaching approach: Inquiry from the Context Based. Journal of Physics: Conference Series, 2019, 1340, 012003.	0.3	36
16	Developing the Astronomy and Architecture Unit for Providing Students'™ Perception of the Relationship between Science, Technology, Engineering, and Mathematics. Journal of Physics: Conference Series, 2019, 1340, 012010.	0.3	2
17	Implement of STEM education in Vietnamese high school: unit of acid-base reagent from purple cabbage. Journal of Physics: Conference Series, 2019, 1340, 012029.	0.3	7
18	Situation of organizing STEM activities in Vietnamese Schools. Journal of Physics: Conference Series, 2019, 1340, 012030.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Examining existing ideas about sustainable leadership of private school science principals. Journal of Physics: Conference Series, 2019, 1340, 012041.	0.3	0
20	Suggested guidelines for developing sustainable leadership of private science school principals. Journal of Physics: Conference Series, 2019, 1340, 012042.	0.3	0
21	Developing the Garbage Problem in Iligan City STEM Education Lesson Through Team Teaching. Journal of Physics: Conference Series, 2019, 1340, 012046.	0.3	4
22	Studentsâ€™ Performance in Context â€“ Based Lessons in Mathematics Classroom. Journal of Physics: Conference Series, 2019, 1340, 012047.	0.3	3
23	Linear Equations in Two Variables STEM Education Learning Activities: Developing the Household Power Consumption Calculator App. Journal of Physics: Conference Series, 2019, 1340, 012048.	0.3	2
24	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.	0.3	1
25	The Interpretation of Thai Kindergarten Studentsâ€™ Making Sense of Speed and Velocity. Journal of Physics: Conference Series, 2019, 1340, 012053.	0.3	0
26	Studentsâ€™ Applying STEM Knowledge in Learning on the STS-STEM Education Wave Learning Unit. Journal of Physics: Conference Series, 2019, 1340, 012054.	0.3	0
27	Current Situation of Problem Solving Ability Development for Chemistry Teaching at High Schools of Lao PDR. Journal of Physics: Conference Series, 2019, 1340, 012055.	0.3	0
28	Assessment of Science Teacher Competence in Teaching Secondary Science with Spiral Progression Approach. Journal of Physics: Conference Series, 2019, 1340, 012059.	0.3	1
29	Development of webquest using Google Site in teaching Circulatory System. Journal of Physics: Conference Series, 2019, 1340, 012060.	0.3	0
30	Implementation of Webquest in teaching Circulatory System. Journal of Physics: Conference Series, 2019, 1340, 012061.	0.3	0
31	Thai studentsâ€™ existing ideas about plant biological energy. Journal of Physics: Conference Series, 2019, 1340, 012063.	0.3	0
32	Explicit Nature of Science in the STS Contact Lens â€œBig Eyesâ€•Unit. Journal of Physics: Conference Series, 2019, 1340, 012066.	0.3	1
33	Trends and Research Issues of STEM Education: A Review of Academic Publications from 2007 to 2017. Journal of Physics: Conference Series, 2019, 1340, 012069.	0.3	13
34	Challenges of implementing Lesson Study in Cambodia: Mathematics and Science Teaching by using Lesson Study at Happy Chandara School. Journal of Physics: Conference Series, 2019, 1340, 012071.	0.3	3
35	Investigate Grade 7 Studentsâ€™ Knowledge Construction About Diffusion and Osmosis. Journal of Physics: Conference Series, 2019, 1340, 012074.	0.3	0
36	Applying the philosophy of sufficiency economy and STEAM knowledge of Grade 11 Students in the STS biodiversity Unit. Journal of Physics: Conference Series, 2019, 1340, 012075.	0.3	2

#	ARTICLE	IF	CITATIONS
37	Formulating Refreshment Drink Activity Utilizing STEM Education for Grade 8 Learners. Journal of Physics: Conference Series, 2019, 1340, 012078.	0.3	3
38	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.	0.3	7
39	Learning Activities to Promote the Concept of Engineering Design Process for Grade 10 Students' Ideas about Force and Motion through Predict-Observe-Explain (POE). Journal of Physics: Conference Series, 2019, 1340, 012081.	0.3	3
40	Grade 11 students' mental model of the Nature of Light. Journal of Physics: Conference Series, 2019, 1340, 012086.	0.3	0
41	Ice Cream STEM Education Learning Activity: Inquiry from the Context. Journal of Physics: Conference Series, 2019, 1340, 012092.	0.3	3
42	Cognitive attributes, physical and psychosocial aspects of learning environment: Its relationship to learners' chemistry achievement. Journal of Physics: Conference Series, 2019, 1340, 012068.	0.3	2
43	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.	0.3	1
44	STEM education program: manufacturing mixture of phosphate and potash fertilizer straws and waste of animal bones. Journal of Physics: Conference Series, 2019, 1340, 012050.	0.3	1
45	Developing critical thinking of students through STEM educational orientation program in Vietnam. Journal of Physics: Conference Series, 2019, 1340, 012025.	0.3	11
46	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.	0.3	0
47	Developing teaching process for enhancing students' mathematical problem solving in the 21st century through STEM education. AIP Conference Proceedings, 2018, , .	0.3	2
48	Thai primary students' understanding of nature of science (NOS) in learning about force and motion for explicit NOS through STS approach. AIP Conference Proceedings, 2018, , .	0.3	0
49	Grade 10 Thai students' scientific argumentation in learning about electric field through science, technology, and society (STS) approach. AIP Conference Proceedings, 2018, , .	0.3	0
50	Developing the STS sound pollution unit for enhancing students' applying knowledge among science technology engineering and mathematics. AIP Conference Proceedings, 2018, , .	0.3	0
51	Teachers' learning on the workshop of STS approach as a way of enhancing inventive thinking skills. AIP Conference Proceedings, 2018, , .	0.3	2
52	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. AIP Conference Proceedings, 2018, , .	0.3	2
53	Competencies of Thai expertise teacher and PCK. AIP Conference Proceedings, 2018, , .	0.3	1
54	Analysis of sustainable leadership for science learning management in the 21st Century under education THAILAND 4.0 framework. AIP Conference Proceedings, 2018, , .	0.3	6

#	ARTICLE	IF	CITATIONS
55	Improving the primary school science learning unit about force and motion through lesson study. AIP Conference Proceedings, 2018, , .	0.3	3
56	Thai studentsâ€™ mental model of chemical bonding. AIP Conference Proceedings, 2018, , .	0.3	1
57	Elementary school science teachersâ€™ reflection for nature of science: Workshop of NOS explicit and reflective on force and motion learning activity. AIP Conference Proceedings, 2018, , .	0.3	1
58	Understanding primary school science teachersâ€™ pedagogical content knowledge: The case of teaching global warming. AIP Conference Proceedings, 2018, , .	0.3	0
59	A Thai pre-service teacherâ€™s understanding of nature of science in biology teaching. AIP Conference Proceedings, 2018, , .	0.3	0
60	Capturing and portraying science student teachersâ€™ pedagogical content knowledge through CoRe construction. AIP Conference Proceedings, 2018, , .	0.3	0
61	Investigating studentsâ€™ view on STEM in learning about electrical current through STS approach. AIP Conference Proceedings, 2018, , .	0.3	1
62	Thai student existing understanding about the solar system model and the motion of the stars. AIP Conference Proceedings, 2018, , .	0.3	1
63	Grade 7 studentsâ€™ normative decision making in science learning about global warming through science technology and society (STS) approach. AIP Conference Proceedings, 2018, , .	0.3	0
64	Grade 1 to 6 Thai studentsâ€™ existing ideas about light: Across-age study. AIP Conference Proceedings, 2018, , .	0.3	0
65	Examining Thai high school studentsâ€™ developing STEM projects. AIP Conference Proceedings, 2018, , .	0.3	0
66	Developing design-based STEM education learning activities to enhance studentsâ€™ creative thinking. AIP Conference Proceedings, 2018, , .	0.3	3
67	Teachersâ€™ learning about research for enhancing studentsâ€™ thinking skills in science learning. AIP Conference Proceedings, 2018, , .	0.3	0
68	Building up STEM education professional learning community in school setting: Case of Khon Kaen Wittayayon School. AIP Conference Proceedings, 2018, , .	0.3	4
69	Development strategies for science learning management to transition in the 21st century of Thailand 4.0. AIP Conference Proceedings, 2018, , .	0.3	0
70	Thai in-service teacher understanding of nature of science in biology teaching: Case of Mali. AIP Conference Proceedings, 2018, , .	0.3	1
71	Dilemmas in examining understanding of nature of science in Vietnam. Cultural Studies of Science Education, 2017, 12, 255-269.	0.9	3
72	Studentsâ€™ view on STEM in learning about circular motion through STS approach. AIP Conference Proceedings, 2016, , .	0.3	9

#	ARTICLE	IF	CITATIONS
73	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. <i>International Journal of Science and Mathematics Education</i> , 2016, 14, 55-79.	1.5	9
74	Thai Kindergarten Students' Thinking and Communicating Skills: Using Innovation on Texts in Gifts from a Snail. <i>Mediterranean Journal of Social Sciences</i> , 2015, , .	0.1	0
75	Comparison of Metacognitive Orientation between Thai Urban and Rural Physics Classrooms. <i>Mediterranean Journal of Social Sciences</i> , 2015, , .	0.1	0
76	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, , .	0.1	3
77	Thai Pre-service Teachers' Aspects of Epistemology and Cognitive Processes for Providing Scientific Inquiry Activities. <i>Mediterranean Journal of Social Sciences</i> , 2015, , .	0.1	0
78	Thai Pre-service Chemistry Teachers' Constructivist Teaching Performances. <i>Mediterranean Journal of Social Sciences</i> , 2015, , .	0.1	0
79	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, , .	0.1	1
80	Initial Implementation of Constructivist Physics Teaching in Thailand: A Case of Bass Pre-service Teacher. <i>Mediterranean Journal of Social Sciences</i> , 2015, , .	0.1	2
81	Physics Teachers' Constructing Knowledge Base for Physics Teaching Regarding Constructivism in Thai Contexts. <i>Mediterranean Journal of Social Sciences</i> , 2015, , .	0.1	0
82	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, , .	0.1	2
83	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, , .	0.1	1
84	Investigation of Constructivist Science Learning Environment in Thai Primary Schools. <i>Mediterranean Journal of Social Sciences</i> , 2014, , .	0.1	1
85	Network in Promoting Health Literacy: A Case Study of a School under the Local Administration in Thailand. <i>Asian Social Science</i> , 2014, 10, .	0.1	0
86	Grade 11 Students' Existing Ideas about Natures of Light. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 143, 693-697.	0.5	2
87	Kindergarten's Scientific Concepts and Skills in the Tree Unit. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 116, 2120-2124.	0.5	4
88	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
89	Graduate Students' Concepts of Nature of Science (NOS) and Attitudes toward Teaching NOS. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 116, 2443-2452.	0.5	8
90	The Outcomes of Teaching and Learning about Sound based on Science Technology and Society (STS) Approach. <i>Procedia, Social and Behavioral Sciences</i> , 2014, 116, 2286-2292.	0.5	10

#	ARTICLE	IF	CITATIONS
91	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
92	Enhancing Scientific Literacy in Thailand. <i>Global Studies of Childhood</i> , 2013, 3, 86-98.	0.2	10
93	An Analysis of Grade 12 Students' Technological Capability in Learning About Electromagnetics Through Science Technology and Society Approach (STS Approach). <i>Procedia, Social and Behavioral Sciences</i> , 2012, 46, 5085-5093.	0.5	8
94	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
95	Connecting Between Culture of Learning in Thai Contexts and Developing Students' Science Learning in the Formal Setting. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 46, 5371-5378.	0.5	5
96	Exploring Student Metacognition on Nuclear Energy in Secondary School. <i>Procedia, Social and Behavioral Sciences</i> , 2012, 46, 5098-5115.	0.5	2
97	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
98	Development of Students'™ Metacognitive Strategies In Science Learning Regarding Nuclear Energy. , 2010, , .		0
99	A Comparison of Thailand and New Zealand Students'™ Ideas About Energy Related to Technological and Societal Issues. <i>International Journal of Science and Mathematics Education</i> , 2008, 6, 293-311.	1.5	17
100	Enhancing Grade 12 Students'™ Critical Thinking and Problem-Solving Ability in Learning of the STS Genetics and DNA Technology Unit. <i>Journal for the Education of Gifted Young Scientists</i> , 0, , 215-235.	0.1	14