

Bing H Ngu

List of Publications by Year in descending order

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papers

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567281

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54
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Academic Engagement: An Overview of Its Definitions, Dimensions, and Major Conceptualisations. <i>International Education Studies</i> , 2016, 9, 41.	0.6	98
2	Achieving Optimal Best: Instructional Efficiency and the Use of Cognitive Load Theory in Mathematical Problem Solving. <i>Educational Psychology Review</i> , 2017, 29, 667-692.	8.4	40
3	Fostering analogical transfer: The multiple components approach to algebra word problem solving in a chemistry context. <i>Contemporary Educational Psychology</i> , 2012, 37, 14-32.	2.9	27
4	Cognitive load in percentage change problems: unitary, pictorial, and equation approaches to instruction. <i>Instructional Science</i> , 2014, 42, 685-713.	2.0	27
5	Sources of self-efficacy in academic contexts: A longitudinal perspective.. <i>School Psychology Quarterly</i> , 2016, 31, 548-564.	2.0	27
6	Cognitive load in algebra: element interactivity in solving equations. <i>Educational Psychology</i> , 2015, 35, 271-293.	2.7	26
7	Chemistry problem solving instruction: a comparison of three computer-based formats for learning from hierarchical network problem representations. <i>Instructional Science</i> , 2009, 37, 21-42.	2.0	20
8	Predicting and enhancing students' positive emotions: An empirical study from a Taiwanese sociocultural context. <i>Heliyon</i> , 2019, 5, e02550.	3.2	20
9	Contextualised self-beliefs in totality: an integrated framework from a longitudinal perspective. <i>Educational Psychology</i> , 2018, 38, 411-434.	2.7	19
10	Optimization: In-Depth Examination and Proposition. <i>Frontiers in Psychology</i> , 2019, 10, 1398.	2.1	19
11	Advancing the Study of Positive Psychology: The Use of a Multifaceted Structure of Mindfulness for Development. <i>Frontiers in Psychology</i> , 2020, 11, 1602.	2.1	19
12	Future Time Perspective and the Achievement of Optimal Best: Reflections, Conceptualizations, and Future Directions for Development. <i>Frontiers in Psychology</i> , 2020, 11, 1037.	2.1	18
13	Role of Student Well-Being. <i>Psychological Reports</i> , 2016, 119, 77-105.	1.7	17
14	Schooling experience and academic performance of Taiwanese students: the importance of psychosocial effects, positive emotions, levels of best practice, and personal well-being. <i>Social Psychology of Education</i> , 2020, 23, 1073-1101.	2.5	17
15	Comparing balance and inverse methods on learning conceptual and procedural knowledge in equation solving: a cognitive load perspective. <i>Pedagogies</i> , 2016, 11, 63-83.	0.9	16
16	Achieving optimal best practice: An inquiry into its nature and characteristics. <i>PLoS ONE</i> , 2019, 14, e0215732.	2.5	16
17	Introducing the Study of Life and Death Education to Support the Importance of Positive Psychology: An Integrated Model of Philosophical Beliefs, Religious Faith, and Spirituality. <i>Frontiers in Psychology</i> , 2020, 11, 580186.	2.1	16
18	Reducing intrinsic cognitive load in percentage change problems: The equation approach. <i>Learning and Individual Differences</i> , 2016, 51, 81-90.	2.7	15

#	ARTICLE	IF	CITATIONS
19	Unpacking the Complexity of Linear Equations from a Cognitive Load Theory Perspective. <i>Educational Psychology Review</i> , 2016, 28, 95-118.	8.4	15
20	Learning to Solve Challenging Percentage-Change Problems: A Cross-Cultural Study From a Cognitive Load Perspective. <i>Journal of Experimental Education</i> , 2018, 86, 362-385.	2.6	15
21	Understanding levels of best practice: An empirical validation. <i>PLoS ONE</i> , 2018, 13, e0198888.	2.5	15
22	Evaluating a CALL software on the learning of English prepositions. <i>Computers and Education</i> , 2006, 47, 41-55.	8.3	14
23	Algebra word problem solving approaches in a chemistry context: Equation worked examples versus text editing. <i>Journal of Mathematical Behavior</i> , 2013, 32, 197-208.	0.9	14
24	Managing Element Interactivity in Equation Solving. <i>Educational Psychology Review</i> , 2018, 30, 255-272.	8.4	14
25	Validating "optimizing" concepts: the importance of personal resolve, effective functioning, and academic striving. <i>Educational Psychology</i> , 2020, 40, 448-472.	2.7	11
26	Undertaking Experiments in Social Sciences: Sequential, Multiple Time Series Designs for Consideration. <i>Educational Psychology Review</i> , 2017, 29, 847-867.	8.4	10
27	Optimization: an attempt to establish empirical evidence for theoretical and practical purposes. <i>European Journal of Psychology of Education</i> , 2021, 36, 453-475.	2.6	10
28	Text editing in chemistry instruction. <i>Instructional Science</i> , 2002, 30, 379-402.	2.0	9
29	Life, death, and spirituality: A conceptual analysis for educational research development. <i>Heliyon</i> , 2021, 7, e06971.	3.2	9
30	An examination of social and psychological influences on academic learning: a focus on self-esteem, social relationships, and personal interest. <i>Social Psychology of Education</i> , 2018, 21, 51-73.	2.5	8
31	Introducing the Concept of Consonance-Disconsonance of Best Practice: A Focus on the Development of "Student Profiling". <i>Frontiers in Psychology</i> , 2021, 12, 557968.	2.1	8
32	Introducing "holistic psychology" for life qualities: A theoretical model for consideration. <i>Heliyon</i> , 2021, 7, e05843.	3.2	6
33	Constructing a coherent problem model to facilitate algebra problem solving in a chemistry context. <i>International Journal of Mathematical Education in Science and Technology</i> , 2015, 46, 388-403.	1.4	5
34	Will learning to solve one-step equations pose a challenge to 8th grade students?. <i>International Journal of Mathematical Education in Science and Technology</i> , 2017, 48, 876-894.	1.4	5
35	Learning to Solve Trigonometry Problems That Involve Algebraic Transformation Skills via Learning by Analogy and Learning by Comparison. <i>Frontiers in Psychology</i> , 2020, 11, 558773.	2.1	5
36	Perceived "optimal efficiency": theorization and conceptualization for development and implementation. <i>Heliyon</i> , 2021, 7, e06042.	3.2	5

#	ARTICLE	IF	CITATIONS
37	Introducing the Concept of Optimized Functioning in Academic Contexts. <i>International Journal of Pedagogy and Curriculum</i> , 2015, 22, 1-19.	0.1	5
38	Empirical validation of the psychological concept of a perceived feeling of "energy": Advancement into the study of positive psychology. <i>PLoS ONE</i> , 2021, 16, e0259762.	2.5	4
39	Factorial equivalence of social cognitive theory: educational levels – time differences. <i>Educational Psychology</i> , 2014, 34, 697-729.	2.7	3
40	Positive Psychology: The Use of the Framework of Achievement Bests to Facilitate Personal Flourishing. , 2017, , .		3
41	Solution representations of percentage change problems: the pre-service primary teachers' mathematical thinking and reasoning. <i>International Journal of Mathematical Education in Science and Technology</i> , 2019, 50, 260-276.	1.4	3
42	A Case for Cognitive Entrenchment: To Achieve Optimal Best, Taking Into Account the Importance of Perceived Optimal Efficiency and Cognitive Load Imposition. <i>Frontiers in Psychology</i> , 2021, 12, 662898.	2.1	3
43	Interrelationships Between Psychosocial, Motivational, and Psychological Processes for Effective Learning: A Structural Equation Modeling Study. <i>Frontiers in Psychology</i> , 2021, 12, 740965.	2.1	2
44	A Perceived Zone of Certainty and Uncertainty: Propositions for Research Development. <i>Frontiers in Psychology</i> , 2021, 12, 666274.	2.1	2
45	Expanding on the theoretical concept of "optimization" for effective learning. , 2018, , 222-240.		2
46	The Importance of Mindfulness in the Achievement of Optimal Functioning: Conceptualization for Research Development. , 2019, , .		1
47	Social and Psychological Adjustment from a Positive Perspective: Consideration of the Concept of Optimal Achievement Best. <i>International Journal of Learner Diversity and Identities</i> , 2016, 23, 1-11.	0.2	1
48	Advancing the study of solving linear equations with negative pronumerals: A smarter way from a cognitive load perspective. <i>PLoS ONE</i> , 2022, 17, e0265547.	2.5	1
49	An Overview of Four Proposed Indicators of Active Learning to Improve English Teaching and Learning in Saudi Arabia. <i>International Journal of English Language Education</i> , 2016, 4, 50.	0.2	0
50	Achievement Bests Framework, Cognitive Load Theory, and Equation Solving. , 2018, , .		0
51	Learning linear equations: capitalizing on cognitive load theory and learning by analogy. <i>International Journal of Mathematical Education in Science and Technology</i> , 0, , 1-17.	1.4	0
52	Advancing the Study of "Goals of Best Practice" Toward Achieving Optimal Best – Educational Implications to Developments in Flow Research and Positive Optimal Psychology. <i>Frontiers in Psychology</i> , 2022, 13, 838560.	2.1	0
53	Developing Problem-Solving Expertise for Word Problems. <i>Frontiers in Psychology</i> , 2022, 13, 725280.	2.1	0