Cleotilde Gonzalez

List of Publications by Citations

114 papers	2,922 citations	26 h-index	50 g-index
125 ext. papers	3,533 ext. citations	2.9 avg, IF	5.69 L-index

#	Paper	IF	Citations
114	Instance-based learning in dynamic decision making. *Cognitive Science*, **2003**, 27, 591-635	2.2	259
113	Why don't well-educated adults understand accumulation? A challenge to researchers, educators, and citizens. *Organizational Behavior and Human Decision Processes*, **2009**, 108, 116-130	4	205
112	Instance-based learning: integrating sampling and repeated decisions from experience. *Psychological Review*, **2011**, 118, 523-51	6.3	170
111	The framing effect and risky decisions: Examining cognitive functions with fMRI. *Journal of Economic Psychology*, **2005**, 26, 1-20	2.5	140
110	The use of microworlds to study dynamic decision making. *Computers in Human Behavior*, **2005**, 21, 273-286	7.7	132
109	Effects of cyber security knowledge on attack detection. *Computers in Human Behavior*, **2015**, 48, 51-61	7.7	122
108	Unpacking the exploration–exploitation tradeoff: A synthesis of human and animal literatures.. *Decision*, **2015**, 2, 191-215	1.9	120
107	Decision support for real-time, dynamic decision-making tasks. *Organizational Behavior and Human Decision Processes*, **2005**, 96, 142-154	4	89
106	Understanding the building blocks of dynamic systems. *System Dynamics Review*, **2007**, 23, 1-17	1.6	74
105	Learning to make decisions in dynamic environments: effects of time constraints and cognitive abilities. *Human Factors*, **2004**, 46, 449-60	3.8	67
104	Cyber situation awareness: modeling detection of cyber attacks with instance-based learning theory. *Human Factors*, **2013**, 55, 605-18	3.8	60
103	Effects of feedback and complexity on repeated decisions from description. *Organizational Behavior and Human Decision Processes*, **2011**, 116, 286-295	4	57
102	The relationships between cognitive ability and dynamic decision making. *Intelligence*, **2005**, 33, 169-186	3	55
101	How choice ecology influences search in decisions from experience. *Cognition*, **2012**, 124, 334-42	3.5	54
100	Instance-based Learning: A General Model of Repeated Binary Choice. *Journal of Behavioral Decision Making*, **2012**, 25, 143-153	2.4	52
99	Task workload and cognitive abilities in dynamic decision making. *Human Factors*, **2005**, 47, 92-101	3.8	51
98	Measuring and Predicting Shared Situation Awareness in Teams. *Journal of Cognitive Engineering and Decision Making*, **2009**, 3, 280-308	2.5	44

97	A cognitive modeling account of simultaneous learning and fatigue effects. *Cognitive Systems Research*, **2011**, 12, 19-32	4.8	40
96	Effects of Information Availability on Command-and-Control Decision Making: Performance, Trust, and Situation Awareness. *Human Factors*, **2016**, 58, 301-21	3.8	35
95	The effects of time delay in reciprocity games. *Journal of Economic Psychology*, **2013**, 34, 20-35	2.5	35
94	Does animation in user interfaces improve decision making? **1996**,		35
93	Situation Awareness in Dynamic Decision Making: Effects of Practice and Working Memory. *Journal of Cognitive Engineering and Decision Making*, **2007**, 1, 56-74	2.5	29
92	Decisions from experience reduce misconceptions about climate change. *Journal of Environmental Psychology*, **2012**, 32, 19-29	6.7	28
91	Understanding stocks and flows through analogy. *System Dynamics Review*, **2012**, 28, 3-27	1.6	28
90	Phishing attempts among the dark triad: Patterns of attack and vulnerability. *Computers in Human Behavior*, **2018**, 87, 174-182	7.7	27
89	Developing trust: First impressions and experience. *Journal of Economic Psychology*, **2014**, 43, 16-29	2.5	27
88	Dynamic Decision Making: Learning Processes and New Research Directions. *Human Factors*, **2017**, 59, 713-721	3.8	26
87	A cognitive model of dynamic cooperation with varied interdependency information. *Cognitive Science*, **2015**, 39, 457-95	2.2	25
86	Effects of domain experience in the stockflow failure. *System Dynamics Review*, **2010**, 26, 347-354	1.6	25
85	Creative Persuasion: A Study on Adversarial Behaviors and Strategies in Phishing Attacks. *Frontiers in Psychology*, **2018**, 9, 135	3.4	24
84	Human control of climate change. *Climatic Change*, **2012**, 111, 497-518	4.5	23
83	Practice makes improvement: how adults with autism out-perform others in a naturalistic visual search task. *Journal of Autism and Developmental Disorders*, **2013**, 43, 2259-68	4.6	23
82	Reciprocal trust mediates deep transfer of learning between games of strategic interaction. *Organizational Behavior and Human Decision Processes*, **2013**, 120, 206-215	4	23
81	Perspectives on the Role of Cognition in Cyber Security. *Proceedings of the Human Factors and Ergonomics Society*, **2012**, 56, 268-271	0.4	22
80	The role of inertia in modeling decisions from experience with instance-based learning. *Frontiers in Psychology*, **2012**, 3, 177	3.4	21

79	Dissociation of S-R compatibility and Simon effects with mixed tasks and mappings. *Journal of Experimental Psychology: Human Perception and Performance*, **2013**, 39, 593-609	2.6	21
78	The boundaries of instance-based learning theory for explaining decisions from experience. *Progress in Brain Research*, **2013**, 202, 73-98	2.9	20
77	A generic dynamic control task for behavioral research and education. *Computers in Human Behavior*, **2011**, 27, 1904-1914	7.7	20
76	Refuting data aggregation arguments and how the instance-based learning model stands criticism: A reply to Hills and Hertwig (2012).. *Psychological Review*, **2012**, 119, 893-898	6.3	20
75	Animation in User Interfaces Designed for Decision Support Systems: The Effects of Image Abstraction, Transition, and Interactivity on Decision Quality*. *Decision Sciences*, **1997**, 28, 793-823	3.7	20
74	Cognition and Technology. *Advances in Information Security*, **2014**, 93-117	0.7	20
73	How analytic reasoning style and global thinking relate to understanding stocks and flows. *Journal of Operations Management*, **2015**, 39-40, 23-30	5.2	19
72	Allais from Experience: Choice Consistency, Rare Events, and Common Consequences in Repeated Decisions. *Journal of Behavioral Decision Making*, **2015**, 28, 369-381	2.4	19
71	Instance-based learning in dynamic decision making **2003**, 27, 591		18
70	Why Do We Want to Delay Actions on Climate Change? Effects of Probability and Timing of Climate Consequences. *Journal of Behavioral Decision Making*, **2012**, 25, 154-164	2.4	17
69	Managing the Budget: Stock-Flow Reasoning and the CO2 Accumulation Problem. *Topics in Cognitive Science*, **2016**, 8, 138-59	2.5	16
68	Decisions from experience: how groups and individuals adapt to change. *Memory and Cognition*, **2014**, 42, 1384-97	2.2	16
67	Making Instance-based Learning Theory usable and understandable: The Instance-based Learning Tool. *Computers in Human Behavior*, **2012**, 28, 1227-1240	7.7	16
66	Learning to Stand in the Others Shoes: A Computer Video Game Experience of the IsraeliPalestinian Conflict. *Social Science Computer Review*, **2013**, 31, 236-243	3.1	16
65	Diversity during training enhances detection of novel stimuli. *Journal of Cognitive Psychology*, **2011**, 23, 342-350	0.9	16
64	Making Sense of Dynamic Systems: How Our Understanding of Stocks and Flows Depends on a Global Perspective. *Cognitive Science*, **2016**, 40, 496-512	2.2	15
63	Cyber Situation Awareness: Modeling the Security Analyst in a Cyber-Attack Scenario through Instance-Based Learning. *Lecture Notes in Computer Science*, **2011**, 280-292	0.9	15
62	Modeling trust dynamics in strategic interaction. *Journal of Applied Research in Memory and Cognition*, **2015**, 4, 197-211	2.3	14

61	A Loser Can Be a Winner: Comparison of Two Instance-based Learning Models in a Market Entry Competition. *Games*, **2011**, 2, 136-162	0.9	14
60	Mathematical knowledge is related to understanding stocks and flows: results from two nations. *System Dynamics Review*, **2015**, 31, 97-114	1.6	13
59	Learning in Dynamic Decision Making: The Recognition Process. *Computational and Mathematical Organization Theory*, **2003**, 9, 287-304	2.1	13
58	Mission Command in the Age of Network-Enabled Operations: Social Network Analysis of Information Sharing and Situation Awareness. *Frontiers in Psychology*, **2016**, 7, 937	3.4	13
57	Sociometrics and observational assessment of teaming and leadership in a cyber security defense competition. *Computers and Security*, **2018**, 73, 114-136	4.9	13
56	Adaptive Cyber Deception: Cognitively Informed Signaling for Cyber Defense **2020**,		12
55	A Description Experience Gap in Social Interactions: Information about Interdependence and Its Effects on Cooperation. *Journal of Behavioral Decision Making*, **2013**, 27, n/a-n/a	2.4	10
54	A cognitive approach to game usability and design: mental model development in novice real-time strategy gamers. *Cyberpsychology, Behavior and Social Networking*, **2006**, 9, 361-6		10
53	Cyber-Security: Role of Deception in Cyber-Attack Detection. *Advances in Intelligent Systems and Computing*, **2016**, 85-96	0.4	10
52	Effects of training with added difficulties on RADAR detection. *Applied Cognitive Psychology*, **2011**, 25, 395-407	2.1	9
51	Convergence and Constraints Revealed in a Qualitative Model Comparison. *Journal of Cognitive Engineering and Decision Making*, **2009**, 3, 131-155	2.5	9
50	Intergroup Prisoner Dilemma with Intragroup Power Dynamics. *Games*, **2011**, 2, 21-51	0.9	9
49	Design of Dynamic and Personalized Deception: A Research Framework and New Insights **2020**,		9
48	Reducing the Linear Perception of Nonlinearity: Use of a Physical Representation. *Journal of Behavioral Decision Making*, **2013**, 26, 51-67	2.4	8
47	Toward Personalized Deceptive Signaling for Cyber Defense Using Cognitive Models. *Topics in Cognitive Science*, **2020**, 12, 992-1011	2.5	8
46	Framing From Experience: Cognitive Processes and Predictions of Risky Choice. *Cognitive Science*, **2016**, 40, 1163-91	2.2	8
45	Training to Detect Phishing Emails: Effects of the Frequency of Experienced Phishing Emails. *Proceedings of the Human Factors and Ergonomics Society*, **2019**, 63, 453-457	0.4	8
44	Security under Uncertainty: Adaptive Attackers Are More Challenging to Human Defenders than Random Attackers. *Frontiers in Psychology*, **2017**, 8, 982	3.4	7

43	The Description–Experience Gap in Risky and Ambiguous Gambles. *Journal of Behavioral Decision Making*, **2013**, 27, n/a-n/a	2.4	7
42	Preparing for novelty with diverse training. *Applied Cognitive Psychology*, **2011**, 25, 682-691	2.1	7
41	Graphical features of flow behavior and the stock and flow failure. *System Dynamics Review*, **2017**, 33, 59-70	1.6	6
40	Training Decisions from Experience with Decision-Making Games167-178		6
39	Learning to Signal in the Goldilocks Zone: Improving Adversary Compliance in Security Games. *Lecture Notes in Computer Science*, **2020**, 725-740	0.9	6
38	From Individual Decisions from Experience to Behavioral Game Theory: Lessons for Cybersecurity. *Advances in Information Security*, **2013**, 73-86	0.7	6
37	A study of dynamic information display and decision-making in abstract trust games. *International Journal of Human Computer Studies*, **2018**, 113, 1-14	4.6	5
36	Math matters: mathematical knowledge plays an essential role in Chinese undergraduates' stock-and-flow task performance. *System Dynamics Review*, **2019**, 35, 208-231	1.6	5
35	Dynamics of Decision Making in Cyber Defense: Using Multi-agent Cognitive Modeling to Understand CyberWar. *Lecture Notes in Computer Science*, **2017**, 113-127	0.9	5
34	Modeling the effects of amount and timing of deception in simulated network scenarios **2017**,		5
33	Scaling up Instance-Based Learning Theory to Account for Social Interactions. *Negotiation and Conflict Management Research*, **2011**, 4, 110-128	0.9	5
32	Towards a Cognitive Theory of Cyber Deception. *Cognitive Science*, **2021**, 45, e13013	2.2	5
31	Looking from the hacker's perspective: Role of deceptive strategies in cyber security **2016**,		5
30	Update now or later? Effects of experience, cost, and risk preference on update decisions. *Translational Research in Oral Oncology*, **2020**, 6,	3.8	4
29	Maximizing Scales Do Not Reliably Predict Maximizing Behavior in Decisions from Experience. *Journal of Behavioral Decision Making*, **2018**, 31, 402-414	2.4	4
28	Integrating Trends in Decision-Making Research. *Journal of Cognitive Engineering and Decision Making*, **2016**, 10, 120-122	2.5	4
27	Action diversity in a simulation of the Israeli–Palestinian conflict. *Computers in Human Behavior*, **2012**, 28, 233-240	7.7	4
26	An Exploratory Study of a Masking Strategy of Cyberdeception Using CyberVAN. *Proceedings of the Human Factors and Ergonomics Society*, **2020**, 64, 446-450	0.4	4

25	What Attackers Know and What They Have to Lose: Framing Effects on Cyber-attacker Decision Making. *Proceedings of the Human Factors and Ergonomics Society*, **2020**, 64, 456-460	0.4	4
24	Role of Intrusion-Detection Systems in Cyber-Attack Detection. *Advances in Intelligent Systems and Computing*, **2016**, 97-109	0.4	4
23	Observed Variability and Values Matter: Toward a Better Understanding of Information Search and Decisions from Experience. *Journal of Behavioral Decision Making*, **2013**, 27, n/a-n/a	2.4	3
22	Validating instance-based learning mechanisms outside of ACT-R. *Journal of Computational Science*, **2013**, 4, 262-268	3.4	3
21	Cognitive architectures combine formal and heuristic approaches. *Behavioral and Brain Sciences*, **2013**, 36, 285-6	0.9	3
20	Cognitive Science: An Introduction **2013**, 61-67		3
19	The impact of variability and prechoice experience on taking safety measures: The case of security updates. *Journal of Behavioral Decision Making*, **2020**, 33, 3-14	2.4	3
18	Effects of Automatic Detection on Dynamic Decision Making. *Journal of Cognitive Engineering and Decision Making*, **2008**, 2, 328-348	2.5	2
17	Verbal Protocols in Real-Time Dynamic Decision-Making. *Proceedings of the Human Factors and Ergonomics Society*, **2003**, 47, 293-296	0.4	2
16	Human Factors in Cyber Security Defense **2018**, 85-104		2
15	Cyber Situation Awareness through Instance-Based Learning **2012**, 125-140		2
14	Selfish algorithm and emergence of collective intelligence. *Journal of Complex Networks*, **2020**, 8,	1.7	2
13	Designing effective masking strategies for cyberdefense through human experimentation and cognitive models. *Computers and Security*, **2022**, 117, 102671	4.9	2
12	A Social Interpolation Model of Group Problem-Solving. *Cognitive Science*, **2021**, 45, e13066	2.2	2
11	Training for the Unknown: The Role of Feedback and Similarity in Detecting Zero-day Attacks. *Procedia Manufacturing*, **2015**, 3, 1088-1095	1.5	1
10	Enabling Eco-Friendly Choices by Relying on the Proportional-Thinking Heuristic. *Sustainability*, **2013**, 5, 357-371	3.6	1
9	Rock-Paper-Scissors Play: Beyond the Win-Stay/Lose-Change Strategy. *Games*, **2021**, 12, 52	0.9	1
8	Theory of Mind From Observation in Cognitive Models and Humans. *Topics in Cognitive Science*, **2021**,	2.5	1

7	Categorization of Events in Security Scenarios: The Role of Context and Heuristics. *Proceedings of the Human Factors and Ergonomics Society*, **2016**, 60, 274-278	0.4	1
6	How to use a multicriteria comparison procedure to improve modeling competitions: A comment on Erev et al. (2017). *Psychological Review*, **2021**, 128, 995-1005	6.3	1
5	Patterns of choice adaptation in dynamic risky environments.. *Memory and Cognition*, **2022**, 50, 864	2.2	0
4	How people do relational reasoning? Role of problem complexity and domain familiarity. *Computers in Human Behavior*, **2014**, 41, 319-326	7.7	
3	The Impact of Target Base Rate on Training and Transfer of Learning in Airline Luggage Screening: An Examination of Three Base Rate Scenarios. *Applied Cognitive Psychology*, **2013**, 27, 263-273	2.1	
2	Learning About the Effects of Alert Uncertainty in Attack and Defend Decisions via Cognitive Modeling. *Human Factors*, **2020**, 18720820945425	3.8	
1	An instance-based-learning simulation model to predict knowledge assets evolution involved in potential digital transformation projects. *Knowledge Management Research and Practice*,1-22	2.1	