Valerie F Reyna

List of Publications by Year
in descending order

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145	10,382	53751 45	36008 97
papers	citations	h-index	g-index

150	150	150	7069
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Individual differences in numerical representations of risk in health decision making: A fuzzyâ€trace theory approach. Risk Analysis, 2023, 43, 548-557.	1.5	1
2	Understanding the landscape of web-based medical misinformation about vaccination. Behavior Research Methods, 2023, 55, 348-363.	2.3	7
3	The influence of verbatim versus gist formatting on younger and older adultsâ€™ information acquisition and decision-making.. Psychology and Aging, 2022, 37, 197-209.	1.4	8
4	Guiding jurorsâ€™ damage award decisions: Experimental investigations of approaches based on theory and practice.. Psychology, Public Policy, and Law, 2022, 28, 188-212.	0.9	1
5	Supporting Health and Medical Decision Making: Findings and Insights from Fuzzy-Trace Theory. Medical Decision Making, 2022, 42, 741-754.	1.2	11
6	Adapting a Theoretically-Based intervention for underserved clinical populations at increased risk for hereditary Cancer: Lessons learned from the BRCA-Gist experience. Preventive Medicine Reports, 2022, 28, 101887.	0.8	2
7	A scientific theory of gist communication and misinformation resistance, with implications for health, education, and policy. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	53
8	Intentions to report concussion symptoms in nonprofessional athletes: A fuzzyâ€trace theory approach. Applied Cognitive Psychology, 2021, 35, 26-38.	0.9	5
9	Socioeconomic status and concussion reporting: The distinct and mediating roles of gist processing, knowledge, and attitudes. Journal of Behavioral Decision Making, 2021, 34, 639-656.	1.0	4
10	Explaining risky choices with judgments: Framing, the zero effect, and the contextual relativity of gist.. Journal of Experimental Psychology: Learning Memory and Cognition, 2021, 47, 1037-1053.	0.7	4
11	Development of the Oncolo-GIST (â€œGiving Information Strategically & Transparentlyâ€) Intervention Manual for Oncologist Skills Training in Advanced Cancer Prognostic Information Communication. Journal of Pain and Symptom Management, 2021, 62, 10-19.e4.	0.6	9
12	How fuzzy-trace theory predicts development of risky decision making, with novel extensions to culture and reward sensitivity. Developmental Review, 2021, 62, 100986.	2.6	13
13	Compliance with mass marketing solicitation: The role of verbatim and gist processing. Brain and Behavior, 2021, 11, e2391.	1.0	2
14	Misconceptions, misinformation, and moving forward in theories of COVID-19 risky behaviors.. Journal of Applied Research in Memory and Cognition, 2021, 10, 537-541.	0.7	1
15	Viruses, vaccines, and COVID-19: Explaining and improving risky decision-making.. Journal of Applied Research in Memory and Cognition, 2021, 10, 491-509.	0.7	28
16	To illuminate and motivate: a fuzzy-trace model of the spread of information online. Computational and Mathematical Organization Theory, 2020, 26, 431-464.	1.5	10
17	Palliative Chemotherapy or Radiation and Prognostic Understanding among Advanced Cancer Patients: The Role of Perceived Treatment Intent. Journal of Palliative Medicine, 2020, 23, 33-39.	0.6	15
18	Numeracy in the jury box: Numerical ability, meaningful anchors, and damage award decision making. Applied Cognitive Psychology, 2020, 34, 434-448.	0.9	11

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19	Decision-making About Risk in the Era of the Novel Coronavirus Disease. Chest, 2020, 158, 1310-1311.	0.4	4
20	Enhancing Patient Understanding of Medication Risks and Benefits. Arthritis Care and Research, 2020, , .	1.5	5
21	Of Viruses, Vaccines, and Variability: Qualitative Meaning Matters. Trends in Cognitive Sciences, 2020, 24, 672-675.	4.0	10
22	How representations of number and numeracy predict decision paradoxes: A fuzzyâ€trace theory approach. Journal of Behavioral Decision Making, 2020, 33, 606-628.	1.0	18
23	Abstraction: An alternative neurocognitive account of recognition, prediction, and decision making. Behavioral and Brain Sciences, 2020, 43, e144.	0.4	0
24	A concussion by any other name: Differences in willingness to risk brain injury by label and level of participation in highâ€school and college sports. Applied Cognitive Psychology, 2019, 33, 646-654.	0.9	4
25	A theoretically motivated method for automatically evaluating texts for gist inferences. Behavior Research Methods, 2019, 51, 2419-2437.	2.3	9
26	Automatic Evaluation of Cancer Treatment Texts for Gist Inferences and Comprehension. Medical Decision Making, 2019, 39, 939-949.	1.2	6
27	Fuzzy-Trace Theory, False Memory, and the Law. Policy Insights From the Behavioral and Brain Sciences, 2019, 6, 79-86.	1.4	15
28	Neural Underpinnings of Financial Decision Bias in Older Adults: Putative Theoretical Models and a Way to Reconcile Them. Frontiers in Neuroscience, 2019, 13, 184.	1.4	8
29	Associations between Anxiety, Poor Prognosis, and Accurate Understanding of Scan Results among Advanced Cancer Patients. Journal of Palliative Medicine, 2019, 22, 961-965.	0.6	25
30	Influence of Explanatory Images on Risk Perceptions and Treatment Preference. Arthritis Care and Research, 2018, 70, 1707-1711.	1.5	1
31	Limitations on the ability to negotiate justice: attorney perspectives on guilt, innocence, and legal advice in the current plea system. Psychology, Crime and Law, 2018, 24, 915-934.	0.8	13
32	Neurobiological Models of Risky Decision-Making and Adolescent Substance Use. Current Addiction Reports, 2018, 5, 128-133.	1.6	4
33	On Judgments of Approximately Equal. Journal of Behavioral Decision Making, 2018, 31, 151-163.	1.0	5
34	Predicting Violent Behavior: What Can Neuroscience Add?. Trends in Cognitive Sciences, 2018, 22, 111-123.	4.0	56
35	Pumps and Prompts for Gist Explanations in Tutorial Dialogues About Breast Cancer. Discourse Processes, 2018, 55, 72-91.	1.1	2
36	Effects of probabilities, adverse outcomes, and status quo on perceived riskiness of medications: Testing explanatory hypotheses concerning gist, worry, and numeracy. Applied Cognitive Psychology, 2018, 32, 714-726.	0.9	7

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37	Patientsâ€™ and Cliniciansâ€™ Perceptions of Antibiotic Prescribing for Upper Respiratory Infections in the Acute Care Setting. Medical Decision Making, 2018, 38, 547-561.	1.2	28
38	Replication, Registration, and Scientific Creativity. Perspectives on Psychological Science, 2018, 13, 428-432.	5.2	8
39	Do visual aids influenced patientsâ€™ risk perceptions for rare and very rare risks?. Patient Education and Counseling, 2018, 101, 1900-1905.	1.0	8
40	When Irrational Biases Are Smart: A Fuzzy-Trace Theory of Complex Decision Making. Journal of Intelligence, 2018, 6, 29.	1.3	16
41	Cognitive, Developmental, and Neurobiological Aspects of Risk Judgments. , 2018, , 83-108.		2
42	A formal model of fuzzy-trace theory: Variations on framing effects and the Allais Paradox.. Decision, 2018, 5, 205-252.	0.4	47
43	Too young to plead? Risk, rationality, and plea bargainingâ€™s innocence problem in adolescents.. Psychology, Public Policy, and Law, 2018, 24, 180-191.	0.9	17
44	From meaning to money: Translating injury into dollars.. Law and Human Behavior, 2018, 42, 95-109.	0.6	6
45	Brain activation covaries with reported criminal behaviors when making risky choices: A fuzzy-trace theory approach.. Journal of Experimental Psychology: General, 2018, 147, 1094-1109.	1.5	15
46	Meaning, Memory, and the Interpretation of Metaphors. , 2018, , 39-57.		1
47	A Fuzzy-Trace Theory of Risk and Time Preferences in Decision Making: Integrating Cognition and Motivation. Nebraska Symposium on Motivation, 2017, , 115-144.	0.9	4
48	Beyond stereotypes of adolescent risk taking: Placing the adolescent brain in developmental context. Developmental Cognitive Neuroscience, 2017, 27, 19-34.	1.9	247
49	Categorical Risk Perception Drives Variability in Antibiotic Prescribing in the Emergency Department: A Mixed Methods Observational Study. Journal of General Internal Medicine, 2017, 32, 1083-1089.	1.3	47
50	The Gist of Delay of Gratification: Understanding and Predicting Problem Behaviors. Journal of Behavioral Decision Making, 2017, 30, 610-625.	1.0	14
51	Active engagement in a web-based tutorial to prevent obesity grounded in Fuzzy-Trace Theory predicts higher knowledge and gist comprehension. Behavior Research Methods, 2017, 49, 1386-1398.	2.3	7
52	Logical but incompetent plea decisions: A new approach to plea bargaining grounded in cognitive theory.. Psychology, Public Policy, and Law, 2017, 23, 367-380.	0.9	15
53	Examining Hepatitis C Virus Treatment Preference Heterogeneity Using Segmentation Analysis. Journal of Clinical Gastroenterology, 2016, 50, 252-257.	1.1	6
54	Understanding genetic breast cancer risk: Processing loci of the BRCA Gist Intelligent Tutoring System. Learning and Individual Differences, 2016, 49, 178-189.	1.5	21

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55	Are rash impulsive and reward sensitive traits distinguishable? A test in young adults. Personality and Individual Differences, 2016, 99, 308-312.	1.6	9
56	Using fuzzy-trace theory to understand and improve health judgments, decisions, and behaviors: A literature review.. Health Psychology, 2016, 35, 781-792.	1.3	74
57	A Fuzzy-Trace Theory of Judgment and Decision-Making in Health Care: Explanation, Prediction, and Application. , 2016, , 71-86.		9
58	Framing effects are robust to linguistic disambiguation: A critical test of contemporary theory.. Journal of Experimental Psychology: Learning Memory and Cognition, 2016, 42, 238-256.	0.7	23
59	Variation in Treatment Priorities for Chronic Hepatitis C: A Latent Class Analysis. Patient, 2016, 9, 241-249.	1.1	8
60	Development of a group and familyâ€based cognitive behavioural therapy program for youth at risk for psychosis. Microbial Biotechnology, 2016, 10, 511-521.	0.9	31
61	How fuzzy-trace theory predicts true and false memories for words, sentences, and narratives.. Journal of Applied Research in Memory and Cognition, 2016, 5, 1-9.	0.7	96
62	The effectiveness of argumentation in tutorial dialogues with an Intelligent Tutoring System for genetic risk of breast cancer. Behavior Research Methods, 2016, 48, 857-868.	2.3	9
63	Intuition and analytic processes in probabilistic reasoning: The role of time pressure. Learning and Individual Differences, 2016, 45, 1-10.	1.5	15
64	Presenting Quantitative and Qualitative Information on Forensic Science Evidence in the Courtroom. Chance, 2016, 29, 37-43.	0.1	11
65	Gist and verbatim communication concerning medication risks/benefits. Patient Education and Counseling, 2016, 99, 988-994.	1.0	7
66	Multiple traces or Fuzzy Traces? Converging evidence for applications of modern cognitive theory to psychotherapy. Behavioral and Brain Sciences, 2015, 38, e22.	0.4	3
67	The gist of juries: Testing a model of damage award decision making.. Psychology, Public Policy, and Law, 2015, 21, 280-294.	0.9	24
68	Use of Decision Support for Improved Knowledge, Values Clarification, and Informed Choice in Patients With Rheumatoid Arthritis. Arthritis Care and Research, 2015, 67, 1496-1502.	1.5	29
69	Proficiency of FPPI and objective numeracy in assessing breast cancer risk estimation. Learning and Individual Differences, 2015, 43, 149-155.	1.5	5
70	Efficacy of a Web-Based Intelligent Tutoring System for Communicating Genetic Risk of Breast Cancer. Medical Decision Making, 2015, 35, 46-59.	1.2	81
71	Decision making and cancer.. American Psychologist, 2015, 70, 105-118.	3.8	184
72	The Glass Is Half Full: Evidence for Efficacy of Alcohol-Wise at One University But Not the Other. Journal of Health Communication, 2015, 20, 627-638.	1.2	18

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73	How reasoning, judgment, and decision making are colored by gist-based intuition: A fuzzy-trace theory approach.. Journal of Applied Research in Memory and Cognition, 2015, 4, 344-355.	0.7	57
74	Educating Intuition. Current Directions in Psychological Science, 2015, 24, 392-398.	2.8	29
75	Development of Risky Decision Making: Fuzzyâ€Trace Theory and Neurobiological Perspectives. Child Development Perspectives, 2015, 9, 122-127.	2.1	48
76	Fuzzy-trace theory and lifespan cognitive development. Developmental Review, 2015, 38, 89-121.	2.6	44
77	Cliniciansâ€™ Perceptions of the Benefits and Harms of Prostate and Colorectal Cancer Screening. Medical Decision Making, 2015, 35, 467-476.	1.2	12
78	Tutorial dialogues and gist explanations of genetic breast cancer risk. Behavior Research Methods, 2015, 47, 632-648.	2.3	13
79	Germs Are Germs, and Why Not Take a Risk? Patientsâ€™ Expectations for Prescribing Antibiotics in an Inner-City Emergency Department. Medical Decision Making, 2015, 35, 60-67.	1.2	55
80	Gist Representations and Communication of Risks about HIV-AIDS: A Fuzzy-Trace Theory Approach. Current HIV Research, 2015, 13, 399-407.	0.2	7
81	How to Successfully Incorporate Undergraduate Researchers Into a Complex Research Program at a Large Institution. Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience, 2015, 13, A192-7.	0.6	2
82	Theoretically motivated interventions for reducing sexual risk taking in adolescence: A randomized controlled experiment applying fuzzy-trace theory.. Journal of Experimental Psychology: General, 2014, 143, 1627-1648.	1.5	119
83	Fuzzy universality of probability judgment. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16984-16985.	3.3	3
84	Developmental Reversals in Risky Decision Making. Psychological Science, 2014, 25, 76-84.	1.8	109
85	Reward, representation, and impulsivity: A theoretical framework for the neuroscience of risky decision making.. , 2014, , 11-42.		25
86	An Overview of Judgment and Decision Making Research Through the Lens of Fuzzy Trace Theory. Advances in Psychological Science, 2014, 22, 1837.	0.2	8
87	Incorporating Interpretation into Risky Decision-Making. Lecture Notes in Computer Science, 2014, , 19-26.	1.0	0
88	Semantic Coherence and Inconsistency in Estimating Conditional Probabilities. Journal of Behavioral Decision Making, 2013, 26, 237-246.	1.0	13
89	A signal detection analysis of gist-based discrimination of genetic breast cancer risk. Behavior Research Methods, 2013, 45, 613-622.	2.3	4
90	Good and bad news on the adolescent brain. Nature, 2013, 503, 48-49.	13.7	6

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91	Clarifying values: an updated review. BMC Medical Informatics and Decision Making, 2013, 13, S8.	1.5	188
92	The development and analysis of tutorial dialogues in AutoTutor Lite. Behavior Research Methods, 2013, 45, 623-636.	2.3	20
93	Communicating Numerical Risk. Reviews of Human Factors and Ergonomics, 2013, 8, 235-276.	0.5	45
94	Fuzzy Trace Theory and Medical Decisions by Minors: Differences in Reasoning between Adolescents and Adults. Journal of Medicine and Philosophy, 2013, 38, 268-282.	0.4	36
95	Childrenâ€™s competence or adultsâ€™ incompetence: Different developmental trajectories in different tasks.. Developmental Psychology, 2013, 49, 1466-1480.	1.2	8
96	Endorsement of a personal responsibility to adhere to the minimum drinking age law predicts consumption, risky behaviors, and alcohol-related harms.. Psychology, Public Policy, and Law, 2013, 19, 380-394.	0.9	15
97	Effective Ways to Communicate Risk and Benefit. AMA Journal of Ethics, 2013, 15, 34-41.	0.4	15
98	Risk perception and communication in vaccination decisions: A fuzzy-trace theory approach. Vaccine, 2012, 30, 3790-3797.	1.7	112
99	Opportunities and challenges of Web 2.0 for vaccination decisions. Vaccine, 2012, 30, 3727-3733.	1.7	304
100	Decision tool to improve the quality of care in rheumatoid arthritis. Arthritis Care and Research, 2012, 64, 977-985.	1.5	79
101	Individual Differences in Numeracy and Cognitive Reflection, with Implications for Biases and Fallacies in Probability Judgment. Journal of Behavioral Decision Making, 2012, 25, 361-381.	1.0	230
102	Improving communication of breast cancer recurrence risk. Breast Cancer Research and Treatment, 2012, 133, 553-561.	1.1	64
103	A new intuitionism: Meaning, memory, and development in Fuzzy-Trace Theory. Judgment and Decision Making, 2012, 7, 332-359.	0.8	128
104	Neurobiological and memory models of risky decision making in adolescents versus young adults.. Journal of Experimental Psychology: Learning Memory and Cognition, 2011, 37, 1125-1142.	0.7	143
105	To Dollars from Sense: Qualitative to Quantitative Translation in Jury Damage Awards. Journal of Empirical Legal Studies, 2011, 8, 120-147.	0.5	28
106	Dual processes in decision making and developmental neuroscience: A fuzzy-trace model. Developmental Review, 2011, 31, 180-206.	2.6	226
107	The Paradoxes of Maurice Allais in Economics and Psychology. Medical Decision Making, 2011, 31, 221-222.	1.2	4
108	Assessing semantic coherence and logical fallacies in joint probability estimates. Behavior Research Methods, 2010, 42, 373-380.	2.3	8

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109	Semantic coherence and fallacies in estimating joint probabilities. Journal of Behavioral Decision Making, 2010, 23, 203-223.	1.0	52
110	Chapter 7 Development and Dual Processes in Moral Reasoning: A Fuzzyâ€trace Theory Approach. Psychology of Learning and Motivation - Advances in Research and Theory, 2009, , 207-236.	0.5	15
111	Clinical Gist and Medical Education. JAMA - Journal of the American Medical Association, 2009, 302, 1332.	3.8	55
112	How numeracy influences risk comprehension and medical decision making.. Psychological Bulletin, 2009, 135, 943-973.	5.5	927
113	Clinical Implications of Numeracy: Theory and Practice. Annals of Behavioral Medicine, 2008, 35, 261-274.	1.7	251
114	Risk taking under the influence: A fuzzy-trace theory of emotion in adolescence. Developmental Review, 2008, 28, 107-144.	2.6	220
115	Current theories of risk and rational decision making. Developmental Review, 2008, 28, 1-11.	2.6	144
116	Numeracy, ratio bias, and denominator neglect in judgments of risk and probability. Learning and Individual Differences, 2008, 18, 89-107.	1.5	367
117	Theories of Medical Decision Making and Health: An Evidence-Based Approach. Medical Decision Making, 2008, 28, 829-833.	1.2	61
118	Explaining Contradictory Relations Between Risk Perception and Risk Taking. Psychological Science, 2008, 19, 429-433.	1.8	154
119	A Theory of Medical Decision Making and Health: Fuzzy Trace Theory. Medical Decision Making, 2008, 28, 850-865.	1.2	554
120	How Does Negative Emotion Cause False Memories?. SSRN Electronic Journal, 2008, , .	0.4	1
121	Converging evidence supports fuzzy-trace theory's nested sets hypothesis, but not the frequency hypothesis. Behavioral and Brain Sciences, 2007, 30, 278-280.	0.4	26
122	The importance of mathematics in health and human judgment: Numeracy, risk communication, and medical decision making. Learning and Individual Differences, 2007, 17, 147-159.	1.5	239
123	Risk and Rationality in Adolescent Decision Making. Psychological Science in the Public Interest: A Journal of the American Psychological Society, 2006, 7, 1-44.	6.7	980
124	Physician decision making and cardiac risk: Effects of knowledge, risk perception, risk tolerance, and fuzzy processing.. Journal of Experimental Psychology: Applied, 2006, 12, 179-195.	0.9	204
125	Coherence and correspondence criteria for rationality: experts' estimation of risks of sexually transmitted infections. Journal of Behavioral Decision Making, 2005, 18, 169-186.	1.0	79
126	How People Make Decisions That Involve Risk. Current Directions in Psychological Science, 2004, 13, 60-66.	2.8	558

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127	Fuzzy-Trace Theory, Risk Communication, and Product Labeling in Sexually Transmitted Diseases. Risk Analysis, 2003, 23, 325-342.	1.5	142
128	Memory, Development, and Rationality: An Integrative Theory of Judgment and Decision Making. , 2003, , 201-245.		106
129	A web exercise in evidence-based medicine using cognitive theory. Journal of General Internal Medicine, 2001, 16, 94-99.	1.3	88
130	A Web Exercise in Evidence-based Medicine Using Cognitive Theory. Journal of General Internal Medicine, 2001, 16, 94-99.	1.3	1
131	Data, development, and dual processes in rationality. Behavioral and Brain Sciences, 2000, 23, 694-695.	0.4	8
132	Fuzzy-Trace Theory and False Memory: New Frontiers. Journal of Experimental Child Psychology, 1998, 71, 194-209.	0.7	110
133	Interference effects in memory and reasoning. , 1995, , 29-59.		51
134	Children's Memory and Metaphorical Interpretation. Metaphor and Symbol, 1995, 10, 309-331.	1.8	84
135	Fuzzy-Trace Theory and Framing Effects in Children's Risky Decision Making. Psychological Science, 1994, 5, 275-279.	1.8	287
136	Development of gist versus verbatim memory in sentence recognition: Effects of lexical familiarity, semantic content, encoding instructions, and retention interval.. Developmental Psychology, 1994, 30, 178-191.	1.2	200
137	Chapter 3 Fuzzy Memory and Mathematics in The Classroom. Advances in Psychology, 1993, 100, 91-119.	0.1	24
138	Reasoning, Remembering, and Their Relationship: Social, Cognitive, and Developmental Issues. , 1992, , 103-132.		38
139	Class inclusion, the conjunction fallacy, and other cognitive illusions. Developmental Review, 1991, 11, 317-336.	2.6	178
140	Fuzzyâ€trace theory and framing effects in choice: Gist extraction, truncation, and conversion. Journal of Behavioral Decision Making, 1991, 4, 249-262.	1.0	285
141	Fuzzy processing in transitivity development. Annals of Operations Research, 1990, 23, 37-63.	2.6	81
142	Perspectives on judgment and decision making as a skill. , 0, , 291-306.		1
143	A review of theories of numeracy: psychological mechanisms and implications for medical decision making. , 0, , 215-251.		8
144	Fuzzy-Trace Theory. , 0, , 713-740.		2

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145	Interference processes in fuzzy-trace theory: Aging, Alzheimer's disease, and development.. , 0, , 185-210.		23