

Valerie F Reyna

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140
papers

8,110
citations

41
h-index

89
g-index

150
ext. papers

9,219
ext. citations

4.3
avg, IF

6.76
L-index

#	Paper	IF	Citations
140	Understanding the landscape of web-based medical misinformation about vaccination.. <i>Behavior Research Methods</i> , 2022 , 1	6.1	1
139	Compliance with mass marketing solicitation: The role of verbatim and gist processing. <i>Brain and Behavior</i> , 2021 , 11, e2391	3.4	2
138	Explaining risky choices with judgments: Framing, the zero effect, and the contextual relativity of gist. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2021 , 47, 1037-1053	2.2	1
137	Development of the Oncolo-GIST ("Giving Information Strategically & Transparently") Intervention Manual for Oncologist Skills Training in Advanced Cancer Prognostic Information Communication. <i>Journal of Pain and Symptom Management</i> , 2021 , 62, 10-19.e4	4.8	0
136	A scientific theory of gist communication and misinformation resistance, with implications for health, education, and policy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	24
135	Intentions to report concussion symptoms in nonprofessional athletes: A fuzzy-trace theory approach. <i>Applied Cognitive Psychology</i> , 2021 , 35, 26-38	2.1	4
134	How Fuzzy-trace Theory Predicts Development of Risky Decision Making, with Novel Extensions to Culture and Reward Sensitivity. <i>Developmental Review</i> , 2021 , 62, 100986-100986	7.4	4
133	Misconceptions, misinformation, and moving forward in theories of COVID-19 risky behaviors.. <i>Journal of Applied Research in Memory and Cognition</i> , 2021 , 10, 537-541	2.3	
132	Viruses, Vaccines, and COVID-19: Explaining and Improving Risky Decision-making.. <i>Journal of Applied Research in Memory and Cognition</i> , 2021 , 10, 491-509	2.3	14
131	Of Viruses, Vaccines, and Variability: Qualitative Meaning Matters. <i>Trends in Cognitive Sciences</i> , 2020 , 24, 672-675	14	8
130	How representations of number and numeracy predict decision paradoxes: A fuzzy-trace theory approach. <i>Journal of Behavioral Decision Making</i> , 2020 , 33, 606-628	2.4	5
129	Abstraction: An alternative neurocognitive account of recognition, prediction, and decision making. <i>Behavioral and Brain Sciences</i> , 2020 , 43, e144	0.9	
128	Palliative Chemotherapy or Radiation and Prognostic Understanding among Advanced Cancer Patients: The Role of Perceived Treatment Intent. <i>Journal of Palliative Medicine</i> , 2020 , 23, 33-39	2.2	7
127	Numeracy in the jury box: Numerical ability, meaningful anchors, and damage award decision making. <i>Applied Cognitive Psychology</i> , 2020 , 34, 434-448	2.1	5
126	Enhancing Patient Understanding of Medication Risks and Benefits. <i>Arthritis Care and Research</i> , 2020 ,	4.7	2
125	To illuminate and motivate: A fuzzy-trace model of the spread of information online. <i>Computational and Mathematical Organization Theory</i> , 2020 , 26, 431-464	2.1	3
124	Fuzzy-Trace Theory, False Memory, and the Law. <i>Policy Insights From the Behavioral and Brain Sciences</i> , 2019 , 6, 79-86	2.1	7

123	Neural Underpinnings of Financial Decision Bias in Older Adults: Putative Theoretical Models and a Way to Reconcile Them. <i>Frontiers in Neuroscience</i> , 2019 , 13, 184	5.1	1
122	Associations between Anxiety, Poor Prognosis, and Accurate Understanding of Scan Results among Advanced Cancer Patients. <i>Journal of Palliative Medicine</i> , 2019 , 22, 961-965	2.2	16
121	A theoretically motivated method for automatically evaluating texts for gist inferences. <i>Behavior Research Methods</i> , 2019 , 51, 2419-2437	6.1	7
120	Automatic Evaluation of Cancer Treatment Texts for Gist Inferences and Comprehension. <i>Medical Decision Making</i> , 2019 , 39, 939-949	2.5	4
119	Influence of Explanatory Images on Risk Perceptions and Treatment Preference. <i>Arthritis Care and Research</i> , 2018 , 70, 1707-1711	4.7	1
118	Limitations on the Ability to Negotiate Justice: Attorney Perspectives on Guilt, Innocence, and Legal Advice in the Current Plea System. <i>Psychology, Crime and Law</i> , 2018 , 24, 915-934	1.4	7
117	Neurobiological Models of Risky Decision-Making and Adolescent Substance Use. <i>Current Addiction Reports</i> , 2018 , 5, 128-133	3.9	4
116	Do visual aids influenced patients' risk perceptions for rare and very rare risks?. <i>Patient Education and Counseling</i> , 2018 , 101, 1900-1905	3.1	4
115	When Irrational Biases Are Smart: A Fuzzy-Trace Theory of Complex Decision Making. <i>Journal of Intelligence</i> , 2018 , 6,	2.4	9
114	Meaning, Memory, and the Interpretation of Metaphors 2018 , 39-57		1
113	Cognitive, Developmental, and Neurobiological Aspects of Risk Judgments 2018 , 83-108		2
112	A formal model of fuzzy-trace theory: Variations on framing effects and the Allais paradox. <i>Decision</i> , 2018 , 5, 205-252	1.9	32
111	Too young to plead? Risk, rationality, and plea bargaining's innocence problem in adolescents.. <i>Psychology, Public Policy, and Law</i> , 2018 , 24, 180-191	3	9
110	From meaning to money: Translating injury into dollars. <i>Law and Human Behavior</i> , 2018 , 42, 95-109	2.5	2
109	Brain activation covaries with reported criminal behaviors when making risky choices: A fuzzy-trace theory approach. <i>Journal of Experimental Psychology: General</i> , 2018 , 147, 1094-1109	4.7	10
108	On Judgments of Approximately Equal. <i>Journal of Behavioral Decision Making</i> , 2018 , 31, 151-163	2.4	2
107	Predicting Violent Behavior: What Can Neuroscience Add?. <i>Trends in Cognitive Sciences</i> , 2018 , 22, 111-123	4	40
106	Pumps and Prompts for Gist Explanations in Tutorial Dialogues About Breast Cancer. <i>Discourse Processes</i> , 2018 , 55, 72-91	2.1	1

105	Effects of Probabilities, Adverse Outcomes, and Status Quo on Perceived Riskiness of Medications: Testing Explanatory Hypotheses Concerning Gist, Worry, and Numeracy. <i>Applied Cognitive Psychology</i> , 2018 , 32, 714-726	2.1	3
104	A concussion by any other name: Differences in willingness to risk brain injury by label and level of participation in high-school and college sports. <i>Applied Cognitive Psychology</i> , 2018 , 33, 646	2.1	3
103	Autobiographical Memory in Autism Spectrum Disorder through the Lens of Fuzzy Trace Theory 2018 , 27-52		0
102	Patients' and Clinicians' Perceptions of Antibiotic Prescribing for Upper Respiratory Infections in the Acute Care Setting. <i>Medical Decision Making</i> , 2018 , 38, 547-561	2.5	15
101	Replication, Registration, and Scientific Creativity. <i>Perspectives on Psychological Science</i> , 2018 , 13, 428-432	3.28	6
100	A Fuzzy-Trace Theory of Risk and Time Preferences in Decision Making: Integrating Cognition and Motivation. <i>Nebraska Symposium on Motivation</i> , 2017 , 115-144	0.6	0
99	Beyond stereotypes of adolescent risk taking: Placing the adolescent brain in developmental context. <i>Developmental Cognitive Neuroscience</i> , 2017 , 27, 19-34	5.5	147
98	Categorical Risk Perception Drives Variability in Antibiotic Prescribing in the Emergency Department: A Mixed Methods Observational Study. <i>Journal of General Internal Medicine</i> , 2017 , 32, 1083-1089	3.0	30
97	The Gist of Delay of Gratification: Understanding and Predicting Problem Behaviors. <i>Journal of Behavioral Decision Making</i> , 2017 , 30, 610-625	2.4	11
96	Active engagement in a web-based tutorial to prevent obesity grounded in Fuzzy-Trace Theory predicts higher knowledge and gist comprehension. <i>Behavior Research Methods</i> , 2017 , 49, 1386-1398	6.1	5
95	Logical but incompetent plea decisions: A new approach to plea bargaining grounded in cognitive theory.. <i>Psychology, Public Policy, and Law</i> , 2017 , 23, 367-380	3	9
94	Framing effects are robust to linguistic disambiguation: A critical test of contemporary theory. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2016 , 42, 238-56	2.2	17
93	Variation in Treatment Priorities for Chronic Hepatitis C: A Latent Class Analysis. <i>Patient</i> , 2016 , 9, 241-9	3.7	8
92	Development of a group and family-based cognitive behavioural therapy program for youth at risk for psychosis. <i>Microbial Biotechnology</i> , 2016 , 10, 511-521	3.3	25
91	How Fuzzy-Trace Theory Predicts True and False Memories for Words, Sentences, and Narratives. <i>Journal of Applied Research in Memory and Cognition</i> , 2016 , 5, 1-9	2.3	66
90	The effectiveness of argumentation in tutorial dialogues with an Intelligent Tutoring System for genetic risk of breast cancer. <i>Behavior Research Methods</i> , 2016 , 48, 857-68	6.1	6
89	Intuition and analytic processes in probabilistic reasoning: The role of time pressure. <i>Learning and Individual Differences</i> , 2016 , 45, 1-10	3.1	7
88	Presenting Quantitative and Qualitative Information on Forensic Science Evidence in the Courtroom. <i>Chance</i> , 2016 , 29, 37-43	1	8

87	Gist and verbatim communication concerning medication risks/benefits. <i>Patient Education and Counseling</i> , 2016 , 99, 988-94	3.1	4
86	Examining Hepatitis C Virus Treatment Preference Heterogeneity Using Segmentation Analysis: Treat Now or Defer?. <i>Journal of Clinical Gastroenterology</i> , 2016 , 50, 252-7	3	5
85	Understanding Genetic Breast Cancer Risk: Processing Loci of the Intelligent Tutoring System. <i>Learning and Individual Differences</i> , 2016 , 49, 178-189	3.1	17
84	Are rash impulsive and reward sensitive traits distinguishable? A test in young adults. <i>Personality and Individual Differences</i> , 2016 , 99, 308-312	3.3	7
83	Using fuzzy-trace theory to understand and improve health judgments, decisions, and behaviors: A literature review. <i>Health Psychology</i> , 2016 , 35, 781-792	5	47
82	A Fuzzy-Trace Theory of Judgment and Decision-Making in Health Care: Explanation, Prediction, and Application 2016 , 71-86		6
81	Efficacy of a web-based intelligent tutoring system for communicating genetic risk of breast cancer: a fuzzy-trace theory approach. <i>Medical Decision Making</i> , 2015 , 35, 46-59	2.5	68
80	Decision making and cancer. <i>American Psychologist</i> , 2015 , 70, 105-18	9.5	146
79	The glass is half full: evidence for efficacy of alcohol-wise at one university but not the other. <i>Journal of Health Communication</i> , 2015 , 20, 627-38	2.5	12
78	How Reasoning, Judgment, and Decision Making are Colored by Gist-based Intuition: A Fuzzy-Trace Theory Approach. <i>Journal of Applied Research in Memory and Cognition</i> , 2015 , 4, 344-355	2.3	35
77	Educating Intuition: Reducing Risky Decisions Using Fuzzy-Trace Theory. <i>Current Directions in Psychological Science</i> , 2015 , 24, 392-398	6.5	22
76	Development of Risky Decision Making: Fuzzy-Trace Theory and Neurobiological Perspectives. <i>Child Development Perspectives</i> , 2015 , 9, 122-127	5.5	39
75	Fuzzy-Trace Theory and Lifespan Cognitive Development. <i>Developmental Review</i> , 2015 , 38, 89-121	7.4	28
74	Clinicians' perceptions of the benefits and harms of prostate and colorectal cancer screening. <i>Medical Decision Making</i> , 2015 , 35, 467-76	2.5	8
73	Tutorial dialogues and gist explanations of genetic breast cancer risk. <i>Behavior Research Methods</i> , 2015 , 47, 632-48	6.1	8
72	Germes are germes, and why not take a risk? Patients' expectations for prescribing antibiotics in an inner-city emergency department. <i>Medical Decision Making</i> , 2015 , 35, 60-7	2.5	40
71	Multiple traces or Fuzzy Traces? Converging evidence for applications of modern cognitive theory to psychotherapy. <i>Behavioral and Brain Sciences</i> , 2015 , 38, e22	0.9	2
70	The Gist of Juries: Testing a Model of Damage Award Decision Making. <i>Psychology, Public Policy, and Law</i> , 2015 , 21, 280-294	3	17

69	Use of Decision Support for Improved Knowledge, Values Clarification, and Informed Choice in Patients With Rheumatoid Arthritis. <i>Arthritis Care and Research</i> , 2015 , 67, 1496-502	4.7	22
68	Proficiency of FPPI and objective numeracy in assessing breast cancer risk estimation. <i>Learning and Individual Differences</i> , 2015 , 43, 149-155	3.1	3
67	How to Successfully Incorporate Undergraduate Researchers Into a Complex Research Program at a Large Institution. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2015 , 13, A192-7	0.6	2
66	Gist Representations and Communication of Risks about HIV-AIDS: A Fuzzy-Trace Theory Approach. <i>Current HIV Research</i> , 2015 , 13, 399-407	1.3	5
65	Theoretically motivated interventions for reducing sexual risk taking in adolescence: a randomized controlled experiment applying fuzzy-trace theory. <i>Journal of Experimental Psychology: General</i> , 2014 , 143, 1627-1648	4.7	101
64	Fuzzy universality of probability judgment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 16984-5	11.5	2
63	Developmental reversals in risky decision making: intelligence agents show larger decision biases than college students. <i>Psychological Science</i> , 2014 , 25, 76-84	7.9	85
62	An Overview of Judgment and Decision Making Research Through the Lens of Fuzzy Trace Theory. <i>Advances in Psychological Science</i> , 2014 , 22, 1837-1854	0.9	8
61	Reward, representation, and impulsivity: A theoretical framework for the neuroscience of risky decision making. 2014 , 11-42		16
60	Incorporating Interpretation into Risky Decision-Making. <i>Lecture Notes in Computer Science</i> , 2014 , 19-26	0.9	
59	Semantic Coherence and Inconsistency in Estimating Conditional Probabilities. <i>Journal of Behavioral Decision Making</i> , 2013 , 26, 237-246	2.4	11
58	A signal detection analysis of gist-based discrimination of genetic breast cancer risk. <i>Behavior Research Methods</i> , 2013 , 45, 613-22	6.1	4
57	Clarifying values: an updated review. <i>BMC Medical Informatics and Decision Making</i> , 2013 , 13 Suppl 2, S8	3.6	156
56	The development and analysis of tutorial dialogues in AutoTutor Lite. <i>Behavior Research Methods</i> , 2013 , 45, 623-36	6.1	15
55	Communicating Numerical Risk: Human Factors That Aid Understanding in Health Care. <i>Reviews of Human Factors and Ergonomics</i> , 2013 , 8, 235-276		32
54	Fuzzy trace theory and medical decisions by minors: differences in reasoning between adolescents and adults. <i>Journal of Medicine and Philosophy</i> , 2013 , 38, 268-82	1.1	28
53	Children's competence or adults' incompetence: different developmental trajectories in different tasks. <i>Developmental Psychology</i> , 2013 , 49, 1466-80	3.7	5
52	Endorsement of a Personal Responsibility to Adhere to the Minimum Drinking Age Law Predicts Consumption, Risky Behaviors, and Alcohol-Related Harms. <i>Psychology, Public Policy, and Law</i> , 2013 , 19, 380-394	3	13

51 Dual Processes in Memory Development: Fuzzy-Trace Theory **2013**, 480-512

50	Effective ways to communicate risk and benefit. <i>AMA Journal of Ethics</i> , 2013 , 15, 34-41	1.4	15
49	Risk perception and communication in vaccination decisions: a fuzzy-trace theory approach. <i>Vaccine</i> , 2012 , 30, 3790-7	4.1	84
48	Opportunities and challenges of Web 2.0 for vaccination decisions. <i>Vaccine</i> , 2012 , 30, 3727-33	4.1	226
47	Decision tool to improve the quality of care in rheumatoid arthritis. <i>Arthritis Care and Research</i> , 2012 , 64, 977-85	4.7	64
46	Individual Differences in Numeracy and Cognitive Reflection, with Implications for Biases and Fallacies in Probability Judgment. <i>Journal of Behavioral Decision Making</i> , 2012 , 25, 361-381	2.4	174
45	Improving communication of breast cancer recurrence risk. <i>Breast Cancer Research and Treatment</i> , 2012 , 133, 553-61	4.4	55
44	A new intuitionism: Meaning, memory, and development in Fuzzy-Trace Theory. <i>Judgment and Decision Making</i> , 2012 , 7, 332-359	2	121
43	Neurobiological and memory models of risky decision making in adolescents versus young adults. <i>Journal of Experimental Psychology: Learning Memory and Cognition</i> , 2011 , 37, 1125-42	2.2	112
42	To Dollars from Sense: Qualitative to Quantitative Translation in Jury Damage Awards. <i>Journal of Empirical Legal Studies</i> , 2011 , 8, 120-147	1	23
41	Dual Processes in Decision Making and Developmental Neuroscience: A Fuzzy-Trace Model. <i>Developmental Review</i> , 2011 , 31, 180-206	7.4	179
40	The paradoxes of Maurice Allais in economics and psychology. <i>Medical Decision Making</i> , 2011 , 31, 221-2	2.5	3
39	Assessing semantic coherence and logical fallacies in joint probability estimates. <i>Behavior Research Methods</i> , 2010 , 42, 373-80	6.1	8
38	Semantic coherence and fallacies in estimating joint probabilities. <i>Journal of Behavioral Decision Making</i> , 2010 , 23, 203-223	2.4	41
37	Chapter 7 Development and Dual Processes in Moral Reasoning: A Fuzzy-trace Theory Approach. <i>Psychology of Learning and Motivation - Advances in Research and Theory</i> , 2009 , 207-236	1.4	11
36	Clinical gist and medical education: connecting the dots. <i>JAMA - Journal of the American Medical Association</i> , 2009 , 302, 1332-3	27.4	45
35	How numeracy influences risk comprehension and medical decision making. <i>Psychological Bulletin</i> , 2009 , 135, 943-73	19.1	751
34	Risk Taking Under the Influence: A Fuzzy-Trace Theory of Emotion in Adolescence. <i>Developmental Review</i> , 2008 , 28, 107-144	7.4	192

33	Current Theories of Risk and Rational Decision Making. <i>Developmental Review</i> , 2008 , 28, 1-11	7.4	123
32	Numeracy, ratio bias, and denominator neglect in judgments of risk and probability. <i>Learning and Individual Differences</i> , 2008 , 18, 89-107	3.1	274
31	Theories of medical decision making and health: an evidence-based approach. <i>Medical Decision Making</i> , 2008 , 28, 829-33	2.5	48
30	Explaining contradictory relations between risk perception and risk taking. <i>Psychological Science</i> , 2008 , 19, 429-33	7.9	121
29	A theory of medical decision making and health: fuzzy trace theory. <i>Medical Decision Making</i> , 2008 , 28, 850-65	2.5	470
28	How Does Negative Emotion Cause False Memories?. <i>SSRN Electronic Journal</i> , 2008 ,	1	1
27	Clinical implications of numeracy: theory and practice. <i>Annals of Behavioral Medicine</i> , 2008 , 35, 261-74	4.5	217
26	Converging evidence supports fuzzy-trace theory's nested sets hypothesis, but not the frequency hypothesis. <i>Behavioral and Brain Sciences</i> , 2007 , 30, 278-280	0.9	23
25	The importance of mathematics in health and human judgment: Numeracy, risk communication, and medical decision making. <i>Learning and Individual Differences</i> , 2007 , 17, 147-159	3.1	184
24	Risk and Rationality in Adolescent Decision Making: Implications for Theory, Practice, and Public Policy. <i>Psychological Science in the Public Interest: A Journal of the American Psychological Society</i> , 2006 , 7, 1-44	18.6	826
23	Physician decision making and cardiac risk: effects of knowledge, risk perception, risk tolerance, and fuzzy processing. <i>Journal of Experimental Psychology: Applied</i> , 2006 , 12, 179-95	1.8	166
22	Coherence and correspondence criteria for rationality: experts' estimation of risks of sexually transmitted infections. <i>Journal of Behavioral Decision Making</i> , 2005 , 18, 169-186	2.4	72
21	How People Make Decisions That Involve Risk: A Dual-Processes Approach. <i>Current Directions in Psychological Science</i> , 2004 , 13, 60-66	6.5	457
20	Memory, Development, and Rationality: An Integrative Theory of Judgment and Decision Making 2003 , 201-245		71
19	Fuzzy-trace theory, risk communication, and product labeling in sexually transmitted diseases. <i>Risk Analysis</i> , 2003 , 23, 325-42	3.9	129
18	A web exercise in evidence-based medicine using cognitive theory. <i>Journal of General Internal Medicine</i> , 2001 , 16, 94-9	4	78
17	A web exercise in evidence-based medicine using cognitive theory 2001 , 16, 94		1
16	Data, development, and dual processes in rationality. <i>Behavioral and Brain Sciences</i> , 2000 , 23, 694-695	0.9	8

15	Fuzzy-trace theory and false memory: new frontiers. <i>Journal of Experimental Child Psychology</i> , 1998 , 71, 194-209	2.3	88
14	Interference effects in memory and reasoning 1995 , 29-59		24
13	Children's Memory and Metaphorical Interpretation. <i>Metaphor and Symbol</i> , 1995 , 10, 309-331		65
12	Fuzzy-Trace Theory and Framing Effects in Children's Risky Decision Making. <i>Psychological Science</i> , 1994 , 5, 275-279	7.9	256
11	Development of gist versus verbatim memory in sentence recognition: Effects of lexical familiarity, semantic content, encoding instructions, and retention interval.. <i>Developmental Psychology</i> , 1994 , 30, 178-191	3.7	148
10	Chapter 3 Fuzzy Memory and Mathematics in The Classroom. <i>Advances in Psychology</i> , 1993 , 100, 91-119		17
9	Reasoning, Remembering, and Their Relationship: Social, Cognitive, and Developmental Issues 1992 , 103-132		23
8	Class inclusion, the conjunction fallacy, and other cognitive illusions. <i>Developmental Review</i> , 1991 , 11, 317-336	7.4	152
7	Fuzzy-trace theory and framing effects in choice: Gist extraction, truncation, and conversion. <i>Journal of Behavioral Decision Making</i> , 1991 , 4, 249-262	2.4	222
6	Fuzzy processing in transitivity development. <i>Annals of Operations Research</i> , 1990 , 23, 37-63	3.2	55
5	Fuzzy-Trace Theory713-740		1
4	A review of theories of numeracy: psychological mechanisms and implications for medical decision making215-351		
3	Interference processes in fuzzy-trace theory: Aging, Alzheimer's disease, and development.185-210		14
2	Perspectives on judgment and decision making as a skill291-306		0
1	Socioeconomic status and concussion reporting: The distinct and mediating roles of gist processing, knowledge, and attitudes. <i>Journal of Behavioral Decision Making</i> ,	2.4	2