

# Elad Yom-Tov

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3535205/publications.pdf>

Version: 2024-02-01

141  
papers

3,699  
citations

257450

24  
h-index

197818

49  
g-index

156  
all docs

156  
docs citations

156  
times ranked

3901  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of online mental health screening tools on help-seeking, care receipt, and suicidal ideation and suicidal intent: Evidence from internet search behavior in a large U.S. cohort. <i>Journal of Psychiatric Research</i> , 2022, 145, 276-283.	3.1	13
2	“œ If I was to post something, it would be too vulnerable:” University students and mental health disclosures on Instagram. <i>Journal of American College Health</i> , 2022, 70, 615-624.	1.5	15
3	Covidseeker: A Geospatial Temporal Surveillance Tool. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1410.	2.6	0
4	Providing early indication of regional anomalies in COVID-19 case counts in England using search engine queries. <i>Scientific Reports</i> , 2022, 12, 2373.	3.3	3
5	Building a Tool that Draws from the Collective Wisdom of the Internet to Help Users Respond Effectively to Anxiety-Related Questions. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2022, , 15-27.	0.3	1
6	What online searches tell us about public interest and potential impact on behaviour in response to minimum unit pricing of alcohol in Scotland. <i>Addiction</i> , 2021, 116, 2008-2015.	3.3	0
7	Vaccine advertising: preach to the converted or to the unaware?. <i>Npj Digital Medicine</i> , 2021, 4, 23.	10.9	5
8	Tracking COVID-19 using online search. <i>Npj Digital Medicine</i> , 2021, 4, 17.	10.9	92
9	Trojan Horse: An Analysis of Targeted Advertising to Reduce Sexually Transmitted Diseases Among YMSM. <i>Health Education and Behavior</i> , 2021, 48, 637-650.	2.5	0
10	Algorithmic copywriting: automated generation of health-related advertisements to improve their performance. <i>Information Retrieval</i> , 2021, 24, 205-239.	2.0	3
11	Detecting Impending Stroke From Cognitive Traits Evident in Internet Searches: Analysis of Archival Data. <i>Journal of Medical Internet Research</i> , 2021, 23, e27084.	4.3	4
12	The First Predictor of Impending Stroke: An Internet Search-Based Algorithm Blind to Established Cardiometabolic Risk, Outperforms Classical Risk Factor-Based Calculators. <i>Journal of the Endocrine Society</i> , 2021, 5, A299-A300.	0.2	0
13	Preferences for mHealth Technology and Text Messaging Communication in Patients With Type 2 Diabetes: Qualitative Interview Study. <i>Journal of Medical Internet Research</i> , 2021, 23, e25958.	4.3	8
14	Unique Internet Search Strategies of Individuals With Self-Stated Autism: Quantitative Analysis of Search Engine Users’ Investigative Behaviors. <i>Journal of Medical Internet Research</i> , 2021, 23, e23829.	4.3	2
15	Association of COVID19-induced anosmia and ageusia with depression and suicidal ideation. <i>Journal of Affective Disorders Reports</i> , 2021, 5, 100156.	1.7	31
16	Analysis of a Vaping-Associated Lung Injury Outbreak through Participatory Surveillance and Archival Internet Data. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8203.	2.6	0
17	Collaboration between Government and Research Community to Respond to COVID-19: Israel’s Case. <i>Journal of Open Innovation: Technology, Market, and Complexity</i> , 2021, 7, 208.	5.2	4
18	REinforcement learning to improve non-adherence for diabetes treatments by Optimising Response and Customising Engagement (REINFORCE): study protocol of a pragmatic randomised trial. <i>BMJ Open</i> , 2021, 11, e052091.	1.9	6

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19	Active syndromic surveillance of COVID-19 in Israel. <i>Scientific Reports</i> , 2021, 11, 24449.	3.3	6
20	HPV vaccine, Twitter, and gay, bisexual and other men who have sex with men. <i>Health Promotion International</i> , 2020, 35, 290-300.	1.8	2
21	Predicting eating disorders from <scp>Internet</scp> activity. <i>International Journal of Eating Disorders</i> , 2020, 53, 1526-1533.	4.0	20
22	Understanding perceived barriers to treatment from web browsing behavior. <i>Journal of Affective Disorders</i> , 2020, 267, 63-66.	4.1	8
23	mHealth app using machine learning to increase physical activity in diabetes and depression: clinical trial protocol for the DIAMANTE Study. <i>BMJ Open</i> , 2020, 10, e034723.	1.9	58
24	Multi-season analysis reveals the spatial structure of disease spread. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 547, 124425.	2.6	3
25	Using confidence and consensuality to predict time invested in problem solving and in real-life web searching. <i>Cognition</i> , 2020, 199, 104248.	2.2	11
26	Modeling infection methods of computer malware in the presence of vaccinations using epidemiological models: an analysis of real-world data. <i>International Journal of Data Science and Analytics</i> , 2020, 10, 349-358.	4.1	6
27	Vaccine information seeking on social Q&A services. <i>Vaccine</i> , 2020, 38, 2691-2699.	3.8	14
28	Early detection of COVID-19 in China and the USA: summary of the implementation of a digital decision-support and disease surveillance tool. <i>BMJ Open</i> , 2020, 10, e041004.	1.9	10
29	Screening for Cancer Using a Learning Internet Advertising System. <i>ACM Transactions on Computing for Healthcare</i> , 2020, 1, 1-13.	5.0	10
30	Assessment of the Frequency of Online Searches for Symptoms Before Diagnosis: Analysis of Archival Data. <i>Journal of Medical Internet Research</i> , 2020, 22, e15065.	4.3	28
31	Analyzing Trends of Loneliness Through Large-Scale Analysis of Social Media Postings: Observational Study. <i>JMIR Mental Health</i> , 2020, 7, e17188.	3.3	12
32	Real-World Evidence on the Effect of Missing an Oral Contraceptive Dose: Analysis of Internet Search Engine Queries. <i>Journal of Medical Internet Research</i> , 2020, 22, e20632.	4.3	2
33	Ethical Challenges and Opportunities Associated With the Ability to Perform Medical Screening From Interactions With Search Engines: Viewpoint. <i>Journal of Medical Internet Research</i> , 2020, 22, e21922.	4.3	3
34	The Automated Copywriter: Algorithmic Rephrasing of Health-Related Advertisements to Improve their Performance. , 2020, , .		2
35	Privacy, Altruism, and Experience: Estimating the Perceived Value of Internet Data for Medical Uses. , 2020, , .		5
36	A machine learning algorithm successfully screens for Parkinson's in web users. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 2503-2509.	3.7	15

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37	Can internet search engine queries be used to diagnose diabetes? Analysis of archival search data. <i>Acta Diabetologica</i> , 2019, 56, 1149-1154.	2.5	18
38	President Trump Stress Disorder: Partisanship, Ethnicity, and Expressive Reporting of Mental Distress After the 2016 Election. <i>SAGE Open</i> , 2019, 9, 215824401983086.	1.7	12
39	Digital Health Communication Common Agenda 2.0: An Updated Consensus for the Public and Private Sectors to Advance Public Health. <i>Health Education and Behavior</i> , 2019, 46, 124S-128S.	2.5	12
40	Adverse events associated with colonoscopy; an examination of online concerns. <i>BMC Gastroenterology</i> , 2019, 19, 207.	2.0	3
41	Demographic differences in search engine use with implications for cohort selection. <i>Information Retrieval</i> , 2019, 22, 570-580.	2.0	12
42	The case of a mass shooting and violence-related mental illness stigma on Twitter.. <i>Stigma and Health</i> , 2019, 4, 411-420.	1.7	8
43	How Search Engine Data Enhance the Understanding of Determinants of Suicide in India and Inform Prevention: Observational Study. <i>Journal of Medical Internet Research</i> , 2019, 21, e10179.	4.3	17
44	Do Search Engine Helpline Notices Aid in Preventing Suicide? Analysis of Archival Data. <i>Journal of Medical Internet Research</i> , 2019, 21, e12235.	4.3	13
45	Symptoms Prompting Interest in Celiac Disease and the Gluten-Free Diet: Analysis of Internet Search Term Data. <i>Journal of Medical Internet Research</i> , 2019, 21, e13082.	4.3	4
46	Concerns of Female Adolescents About Menarche and First Sexual Intercourse: Mixed Methods Analysis of Social Media Questions. <i>JMIR Pediatrics and Parenting</i> , 2019, 2, e13158.	1.6	2
47	Internet Searches for Medical Symptoms Before Seeking Information on 12-Step Addiction Treatment Programs: A Web-Search Log Analysis. <i>Journal of Medical Internet Research</i> , 2019, 21, e10946.	4.3	4
48	Predicting user adherence to behavioral eHealth interventions in the real world: examining which aspects of intervention design matter most. <i>Translational Behavioral Medicine</i> , 2018, 8, 793-798.	2.4	105
49	Anxiety and Information Seeking., 2018, , .		12
50	Modeling influenza-like illnesses through composite compartmental models. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2018, 494, 288-293.	2.6	10
51	Respiratory syncytial virus tracking using internet search engine data. <i>BMC Public Health</i> , 2018, 18, 445.	2.9	19
52	The effectiveness of public health advertisements to promote health: a randomized-controlled trial on 794,000 participants. <i>Npj Digital Medicine</i> , 2018, 1, 24.	10.9	24
53	What Drives Health Professionals to Tweet About #HPVvaccine? Identifying Strategies for Effective Communication. <i>Preventing Chronic Disease</i> , 2018, 15, E26.	3.4	28
54	Evidence From Web-Based Dietary Search Patterns to the Role of B12 Deficiency in Non-Specific Chronic Pain: A Large-Scale Observational Study. <i>Journal of Medical Internet Research</i> , 2018, 20, e4.	4.3	6

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55	Risk Assessment for Parents Who Suspect Their Child Has Autism Spectrum Disorder: Machine Learning Approach. <i>Journal of Medical Internet Research</i> , 2018, 20, e134.	4.3	24
56	Inducing Behavioral Change in Seekers of Pro-Anorexia Content Using Internet Advertisements: Randomized Controlled Trial. <i>JMIR Mental Health</i> , 2018, 5, e6.	3.3	12
57	Harsh climate selects for small body size among Iceland's Arctic foxes. <i>Ecography</i> , 2017, 40, 376-383.	4.5	3
58	The Werther Effect Revisited. , 2017, , .		6
59	Inferring Individual Attributes from Search Engine Queries and Auxiliary Information. , 2017, , .		17
60	Predicting Drug Recalls from Internet Search Engine Queries These findings suggest that aggregated Internet search engine data can be used to facilitate in early warning of faulty batches of medicines.. <i>IEEE Journal of Translational Engineering in Health and Medicine</i> , 2017, 5, 1-1.	3.7	14
61	Opinion leadership in small groups. <i>International Journal of Research in Marketing</i> , 2017, 34, 536-552.	4.2	45
62	Predicting Counterfactuals from Large Historical Data and Small Randomized Trials. , 2017, , .		12
63	Negative Self-Disclosure on the Web: The Role of Guilt Relief. <i>Frontiers in Psychology</i> , 2017, 8, 1068.	2.1	10
64	The complex effects of geography, ambient temperature, and North Atlantic Oscillation on the body size of Arctic hares in Greenland. <i>Biological Journal of the Linnean Society</i> , 2017, 120, 909-918.	1.6	1
65	Seeking Web-Based Information About Attention Deficit Hyperactivity Disorder: Where, What, and When. <i>Journal of Medical Internet Research</i> , 2017, 19, e126.	4.3	16
66	Encouraging Physical Activity in Patients With Diabetes: Intervention Using a Reinforcement Learning System. <i>Journal of Medical Internet Research</i> , 2017, 19, e338.	4.3	114
67	Estimating the Population Impact of a New Pediatric Influenza Vaccination Program in England Using Social Media Content. <i>Journal of Medical Internet Research</i> , 2017, 19, e416.	4.3	18
68	Adverse Reactions Associated With Cannabis Consumption as Evident From Search Engine Queries. <i>JMIR Public Health and Surveillance</i> , 2017, 3, e77.	2.6	19
69	Hispanic Use of Alternative Medicine as Demonstrated in Internet Searches. <i>Health Behavior and Policy Review</i> , 2017, 4, 503-510.	0.4	0
70	Differences in physical status, mental state and online behavior of people in pro-anorexia web communities. <i>Eating Behaviors</i> , 2016, 22, 109-112.	2.0	9
71	The Effect of Limited Health Literacy on How Internet Users Learn About Diabetes. <i>Journal of Health Communication</i> , 2016, 21, 1107-1114.	2.4	13
72	Enhancing web search in the medical domain via query clarification. <i>Information Retrieval</i> , 2016, 19, 149-173.	2.0	27

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73	Encouraging Physical Activity in Patients With Diabetes Through Automatic Personalized Feedback via Reinforcement Learning Improves Glycemic Control. <i>Diabetes Care</i> , 2016, 39, e59-e60.	8.6	20
74	Online Concerns of Parents Suspecting Autism Spectrum Disorder in Their Child: Content Analysis of Signs and Automated Prediction of Risk. <i>Journal of Medical Internet Research</i> , 2016, 18, e300.	4.3	8
75	Web-Based Antismoking Advertising to Promote Smoking Cessation: A Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2016, 18, e306.	4.3	15
76	Applying Multiple Data Collection Tools to Quantify Human Papillomavirus Vaccine Communication on Twitter. <i>Journal of Medical Internet Research</i> , 2016, 18, e318.	4.3	115
77	Estimating the secondary attack rate and serial interval of influenza-like illnesses using social media. <i>Influenza and Other Respiratory Viruses</i> , 2015, 9, 191-199.	3.4	23
78	Ebola data from the Internet. , 2015, , .		12
79	Assessing the impact of a health intervention via user-generated Internet content. <i>Data Mining and Knowledge Discovery</i> , 2015, 29, 1434-1457.	3.7	24
80	Learning About Health and Medicine from Internet Data. , 2015, , .		2
81	Automatic Identification of Web-Based Risk Markers for Health Events. <i>Journal of Medical Internet Research</i> , 2015, 17, e29.	4.3	24
82	Modularity-Based Query Clustering for Identifying Users Sharing a Common Condition. , 2015, , .		0
83	The effect of social affinity and predictive horizon on churn prediction using diffusion modeling. <i>Social Network Analysis and Mining</i> , 2014, 4, 1.	2.8	5
84	Measuring User Engagement. <i>Synthesis Lectures on Information Concepts, Retrieval, and Services</i> , 2014, 6, 1-132.	0.7	93
85	Promoting Civil Discourse Through Search Engine Diversity. <i>Social Science Computer Review</i> , 2014, 32, 145-154.	4.2	44
86	Linguistic Factors Associated With Propagation of Political Opinions in Twitter. <i>Social Science Computer Review</i> , 2014, 32, 195-204.	4.2	9
87	On the link between media coverage of anorexia and pro-anorexic practices on the web. <i>International Journal of Eating Disorders</i> , 2014, 47, 196-202.	4.0	21
88	Seeking Insights About Cycling Mood Disorders via Anonymized Search Logs. <i>Journal of Medical Internet Research</i> , 2014, 16, e65.	4.3	17
89	Detecting Disease Outbreaks in Mass Gatherings Using Internet Data. <i>Journal of Medical Internet Research</i> , 2014, 16, e154.	4.3	59
90	Information is in the eye of the beholder: Seeking information on the MMR vaccine through an Internet search engine. <i>AMIA ... Annual Symposium proceedings</i> , 2014, 2014, 1238-47.	0.2	6

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91	On information propagation in mobile call networks. Social Network Analysis and Mining, 2013, 3, 521-541.	2.8	6
92	The Effect of Social and Physical Detachment on Information Need. ACM Transactions on Information Systems, 2013, 31, 1-19.	4.9	7
93	Measuring inter-site engagement. , 2013, , .		11
94	Networked user engagement. , 2013, , .		9
95	Workshop on health search and discovery. , 2013, , .		3
96	Report on the SIGIR 2013 workshop on health search and discovery. ACM SIGIR Forum, 2013, 47, 101-108.	0.5	2
97	Updating Users about Time Critical Events. Lecture Notes in Computer Science, 2013, , 483-494.	1.3	26
98	When Overweight Is the Normal Weight: An Examination of Obesity Using a Social Media Internet Database. PLoS ONE, 2013, 8, e73479.	2.5	18
99	Postmarket Drug Surveillance Without Trial Costs: Discovery of Adverse Drug Reactions Through Large-Scale Analysis of Web Search Queries. Journal of Medical Internet Research, 2013, 15, e124.	4.3	93
100	The effect of links on networked user engagement. , 2012, , .		6
101	On the Relationship between Novelty and Popularity of User-Generated Content. ACM Transactions on Intelligent Systems and Technology, 2012, 3, 1-19.	4.5	16
102	Can You Believe an Anonymous Contributor? On Truthfulness in Yahoo! Answers. , 2012, , .		24
103	Models of User Engagement. Lecture Notes in Computer Science, 2012, , 164-175.	1.3	168
104	Patterns of Information-Seeking for Cancer on the Internet: An Analysis of Real World Data. PLoS ONE, 2012, 7, e45921.	2.5	58
105	Pro-Anorexia and Pro-Recovery Photo Sharing: A Tale of Two Warring Tribes. Journal of Medical Internet Research, 2012, 14, e151.	4.3	67
106	Milepost GCC: Machine Learning Enabled Self-tuning Compiler. International Journal of Parallel Programming, 2011, 39, 296-327.	1.5	158
107	Out of sight, not out of mind. , 2011, , .		11
108	Location and timeliness of information sources during news events. , 2011, , .		4

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109	Social bookmark weighting for search and recommendation. VLDB Journal, 2010, 19, 761-775.	4.1	23
110	Estimating the query difficulty for information retrieval. , 2010, , .		42
111	Generative models for rapid information propagation. , 2010, , .		11
112	On the relationship between novelty and popularity of user-generated content. , 2010, , .		3
113	Predicting customer churn in mobile networks through analysis of social groups. , 2010, , .		95
114	Estimating the Query Difficulty for Information Retrieval. Synthesis Lectures on Information Concepts, Retrieval, and Services, 2010, 2, 1-89.	0.7	124
115	Parallel Pairwise Clustering. , 2009, , .		8
116	Who tags the tags?. , 2009, , .		7
117	Signals and Systems. , 2009, , 3691-3696.		0
118	Better multiclass classification via a margin-optimized single binary problem. Pattern Recognition Letters, 2008, 29, 1954-1959.	4.2	9
119	A probabilistic alternative to regression suites. Theoretical Computer Science, 2008, 404, 219-234.	0.9	8
120	Automatic Debugging of Concurrent Programs through Active Sampling of Low Dimensional Random Projections. , 2008, , .		1
121	Enhancing digital libraries using missing content analysis. , 2008, , .		14
122	Maintaining dynamic channel profiles on the web. Proceedings of the VLDB Endowment, 2008, 1, 151-162.	3.8	14
123	A Self-optimized Job Scheduler for Heterogeneous Server Clusters. Lecture Notes in Computer Science, 2008, , 169-187.	1.3	6
124	Instrumenting where it hurts. , 2007, , .		20
125	Population cycles and changes in body size of the lynx in Alaska. Oecologia, 2007, 152, 239-244.	2.0	39
126	What makes a query difficult?. , 2006, , .		152



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127	An Open Source Simulation Model of Software Development and Testing. , 2006, , 124-137.		4
128	An improved P300-based brain-computer interface. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2005, 13, 89-98.	4.9	353
129	SIGIR workshop report. ACM SIGIR Forum, 2005, 39, 25-28.	0.5	14
130	Learning to estimate query difficulty. , 2005, , .		148
131	An Introduction to Pattern Classification. Lecture Notes in Computer Science, 2004, , 1-20.	1.3	6
132	Detection of movement-related potentials from the electro-encephalogram for possible use in a brain-computer interface. Medical and Biological Engineering and Computing, 2003, 41, 85-93.	2.8	50
133	Classification of finger activation for use in a robotic prosthesis arm. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2002, 10, 290-293.	4.9	110
134	Feature selection for the classification of movements from single movement-related potentials. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2002, 10, 170-177.	4.9	85
135	Movement-related potentials during the performance of a motor task II: Cerebral areas activated during learning of the task. Biological Cybernetics, 2001, 85, 387-394.	1.3	4
136	Movement-related potentials during the performance of a motor task I: The effect of learning and force. Biological Cybernetics, 2001, 85, 395-399.	1.3	7
137	Movement-related potentials in the human spinal cord preceding toe movement. Clinical Neurophysiology, 2000, 111, 350-361.	1.5	5
138	A model of induced coupled movements in the human body: a case study. Biological Cybernetics, 1999, 80, 411-416.	1.3	4
139	IBM Parallel Machine Learning Toolbox. , 0, , 69-88.		0
140	The Impact of Delay Announcements on Hospital Network Coordination and Waiting Times. Management Science, 0, , .	4.1	33
141	Intimate Partner Violence as Reflected in Internet Search Data. Social Science Computer Review, 0, , 089443932210840.	4.2	0