Shlomo Berkovsky

List of Publications by Year
in descending order

113 papers	**2,973** citations	411340 **20** h-index	388640 **36** g-index
123 all docs	**123** docs citations	**123** times ranked	**2818** citing authors

#	ARTICLE	IF	CITATIONS
1	Empirical analysis of Zipf's law, power law, and lognormal distributions in medical discharge reports. International Journal of Medical Informatics, 2021, 145, 104324.	1.6	1
2	Development and Validation of a Machine Learning Approach for Automated Severity Assessment of COVID-19 Based on Clinical and Imaging Data: Retrospective Study. JMIR Medical Informatics, 2021, 9, e24572.	1.3	36
3	Deep convolutional neural networks based ECG beats classification to diagnose cardiovascular conditions. Biomedical Engineering Letters, 2021, 11, 147-162.	2.1	24
4	Hierarchical Attentive Transaction Embedding With Intra- and Inter-Transaction Dependencies for Next-Item Recommendation. IEEE Intelligent Systems, 2021, 36, 56-64.	4.0	25
5	Detecting pertussis in the pediatric population using respiratory sound events and CNN. Biomedical Signal Processing and Control, 2021, 68, 102722.	3.5	11
6	Brain volumetric and fractal analysis of synthetic MRI: A comparative study with conventional 3D T1-weighted images. European Journal of Radiology, 2021, 141, 109782.	1.2	8
7	A diversified shared latent variable model for efficient image characteristics extraction and modelling. Neurocomputing, 2021, 421, 244-259.	3.5	4
8	Health personalisation. SIGWEB Newsletter: the Newsletter of ACM's Special Interest Group on Hypertext and Hypermedia, 2021, , 1-7.	0.5	0
9	Prediction of anxiety disorders using a feature ensemble based bayesian neural network. Journal of Biomedical Informatics, 2021, 123, 103921.	2.5	2
10	Severity Assessment and Progression Prediction of COVID-19 Patients Based on the LesionEncoder Framework and Chest CT. Information (Switzerland), 2021, 12, 471.	1.7	7
11	Identifying relevant information in medical conversations to summarize a clinician-patient encounter. Health Informatics Journal, 2020, 26, 2906-2914.	1.1	7
12	Envisioning an artificial intelligence documentation assistant for future primary care consultations: A co-design study with general practitioners. Journal of the American Medical Informatics Association: JAMIA, 2020, 27, 1695-1704.	2.2	38
13	Research directions in session-based and sequential recommendation. User Modeling and User-Adapted Interaction, 2020, 30, 609-616.	2.9	25
14	Isocitrate dehydrogenase (IDH) status prediction in histopathology images of gliomas using deep learning. Scientific Reports, 2020, 10, 7733.	1.6	66
15	Revisiting Habitability in Conversational Systems. , 2020, , .		5
16	Responses of Conversational Agents to Health and Lifestyle Prompts: Investigation of Appropriateness and Presentation Structures. Journal of Medical Internet Research, 2020, 22, e15823.	2.1	53
17	Deep Learning Methodology for Differentiating Glioma Recurrence From Radiation Necrosis Using Multimodal Magnetic Resonance Imaging: Algorithm Development and Validation. JMIR Medical Informatics, 2020, 8, e19805.	1.3	15
18	Personality Sensing. ACM Transactions on Interactive Intelligent Systems, 2020, 10, 1-32.	2.6	4

#	Article	IF	Citations
19	Detecting Personality Traits Using Eye-Tracking Data. , 2019, , .		60
20	Do I trust my machine teammate?. , 2019, , .		20
21	Challenges of developing a digital scribe to reduce clinical documentation burden. Npj Digital Medicine, 2019, 2, 114.	5.7	57
22	Social Engineering and Organisational Dependencies in Phishing Attacks. Lecture Notes in Computer Science, 2019, , 564-584.	1.0	6
23	The Personalization of Conversational Agents in Health Care: Systematic Review. Journal of Medical Internet Research, 2019, 21, e15360.	2.1	166
24	A Hybrid Recommendation Approach for Open Research Datasets. , 2018, , .		1
25	A Cross-Cultural Analysis of Trust in Recommender Systems. , 2018, , .		8
26	Do I Trust a Machine? Differences in User Trust Based on System Performance. Human-computer Interaction Series, 2018, , 245-264.	0.4	9
27	Push Notifications in Diet Apps: Influencing Engagement Times and Tasks. International Journal of Human-Computer Interaction, 2017, , .	3.3	14
28	Push Notifications in Diet Apps: Influencing Engagement Times and Tasks. International Journal of Human-Computer Interaction, 2017, 33, 833-845.	3.3	26
29	User Trust Dynamics. , 2017, , .		43
30	Indexing Cognitive Load using Blood Volume Pulse Features. , 2017, , .		7
31	How to Recommend?. , 2017, , .		52
32	Get to the Bottom. , 2017, , .		0
33	Online Engagement for a Healthier You. , 2017, , .		4
34	Privacy for Recommender Systems. , 2017, , .		14
35	Does Weather Matter?. , 2017, , .		1
36	Supporting the Delivery of Total Knee Replacements Care for Both Patients and Their Clinicians With a Mobile App and Web-Based Tool: Randomized Controlled Trial Protocol. JMIR Research Protocols, 2017, 6, e32.	0.5	24

#	ARTICLE	IF	CITATIONS
37	Tracking the Evolution of Customer Purchase Behavior Segmentation via a Fragmentation-Coagulation Process. , 2017, , .		8
38	Trust and Reliance Based on System Accuracy. , 2016, , .		17
39	Who Will Be Affected by Supermarket Health Programs? Tracking Customer Behavior Changes via Preference Modeling. Lecture Notes in Computer Science, 2016, , 527-539.	1.0	7
40	A differential privacy framework for matrix factorization recommender systems. User Modeling and User-Adapted Interaction, 2016, 26, 425-458.	2.9	68
41	Minimal Interaction Content Discovery in Recommender Systems. ACM Transactions on Interactive Intelligent Systems, 2016, 6, 1-25.	2.6	6
42	Discovering Temporal Purchase Patterns with Different Responses to Promotions. , 2016, , .		13
43	Personalized Social Network Activity Feeds for Increased Interaction and Content Contribution. Frontiers in Robotics and AI, 2015, 2, .	2.0	2
44	An analysis of new visitors' website behaviour before & after TV advertising. , 2015, , .		0
45	Cross-Domain Recommender Systems. , 2015, , 919-959.		106
46	Applying Differential Privacy to Matrix Factorization. , 2015, , .		77
47	Minimal Interaction Search in Recommender Systems. , 2015, , .		4
48	Data Quality Matters in Recommender Systems. , 2015, , .		15
49	Privacy Aspects of Recommender Systems. , 2015, , 649-688.		57
50	Personalised Network Activity Feeds: Finding Needles in the Haystacks. Lecture Notes in Computer Science, 2015, , 21-34.	1.0	6
51	Web Personalization and Recommender Systems. , 2015, , .		21
52	Characterizing and Predicting Viral-and-Popular Video Content. , 2015, , .		19
53	Improving business rating predictions using graph based features. , 2014, , .		14
54	Matrix Factorization without User Data Retention. Lecture Notes in Computer Science, 2014, , 569-580.	1.0	7

#	Article	IF	Citations
55	Evaluating Recommender Systems for Supportive Technologies. Human-computer Interaction Series, 2013, , 195-217.	0.4	8
56	Introduction to special section on CAMRa2010. ACM Transactions on Intelligent Systems and Technology, 2013, 4, 1-9.	2.9	3
57	Rating Bias and Preference Acquisition. ACM Transactions on Interactive Intelligent Systems, 2013, 3, 1-21.	2.6	1
58	Design and Pilot Results of a Mobile Phone Weight-Loss Application for Women Starting a Meal Replacement Programme. Journal of Telemedicine and Telecare, 2013, 19, 166-174.	1.4	63
59	Catch-up TV recommendations. , 2013, , .		15
60	Introduction to the Special Issue on Adaptive Hypermedia. New Review of Hypermedia and Multimedia, 2013, 19, 81-83.	0.9	4
61	Cross social networks interests predictions based ongraph features. , 2013, , .		23
62	On the potential of recommendation technologies for efficient content delivery networks. Computer Communication Review, 2013, 43, 74-77.	1.5	14
63	Colours That Move You: Persuasive Ambient Activity Displays. Lecture Notes in Computer Science, 2013, , 27-32.	1.0	3
64	Inform or Flood: Estimating When Retweets Duplicate. Lecture Notes in Computer Science, 2013, , 267-273.	1.0	0
65	Activmon. , 2012, , .		22
66	Mobile applications to support dietary change. , 2012, , .		6
67	Physical Activity Motivating Games. ACM Transactions on Computer-Human Interaction, 2012, 19, 1-41.	4.6	46
68	The impact of data obfuscation on the accuracy of collaborative filtering. Expert Systems With Applications, 2012, 39, 5033-5042.	4.4	37
69	Personalized Network Updates: Increasing Social Interactions and Contributions in Social Networks. Lecture Notes in Computer Science, 2012, , 1-13.	1.0	19
70	Features Predicting Weight Loss in Overweight or Obese Participants in a Web-Based Intervention: Randomized Trial. Journal of Medical Internet Research, 2012, 14, e173.	2.1	89
71	Group recommendation in context. , 2011, , .		24
72	Recipe Recommendation: Accuracy and Reasoning. Lecture Notes in Computer Science, 2011, , 99-110.	1.0	20

#	ARTICLE	IF	CITATIONS
73	Challenge on context-aware movie recommendation. , 2011, , .		21
74	Engaging Families in Lifestyle Changes Through Social Networking. International Journal of Human-Computer Interaction, 2011, 27, 971-990.	3.3	26
75	Personalized Techniques for Lifestyle Change. Lecture Notes in Computer Science, 2011, , 139-148.	1.0	8
76	Selecting Items of Relevance in Social Network Feeds. Lecture Notes in Computer Science, 2011, , 329-334.	1.0	7
77	Group-based recipe recommendations. , 2010, , .		168
78	Intelligent food planning. , 2010, , .		149
79	Social networking feeds. , 2010, , .		42
80	Activity interface for physical activity motivating games. , 2010, , .		11
81	Isn't it great?. , 2010, , .		0
82	Activity awareness in family-based healthy living online social networks. , 2010, , .		10
83	Recommender algorithms in activity motivating games. , 2010, , .		17
84	Context-awareness in recommender systems. , 2010, , .		26
85	Mobile mentor. , 2010, , .		5
86	Gender and role differences in family-based healthy living networks. , 2010, , .		3
87	Recommending Food: Reasoning on Recipes and Ingredients. Lecture Notes in Computer Science, 2010, , 381-386.	1.0	50
88	Putting things in context. , 2010, , .		42
89	Physical activity motivating games. , 2010, , .		79
90	Improving health information access through social networking. , 2010, , .		11

#	Article	IF	Citations
91	An Analysis of Group Recommendation Strategies. Journal of Advanced Computational Intelligence and Intelligent Informatics, 2010, 14, 729-734.	0.5	2
92	Designing games to motivate physical activity. , 2009, , .		20
93	Cross-representation mediation of user models. User Modeling and User-Adapted Interaction, 2009, 19, 35-63.	2.9	31
94	Addressing Challenges of Ubiquitous User Modeling: Between Mediation and Semantic Integration. Lecture Notes in Computer Science, 2009, , 1-19.	1.0	13
95	Aggregation Trade Offs in Family Based Recommendations. Lecture Notes in Computer Science, 2009, , 646-655.	1.0	11
96	SOFA. , 2009, , .		11
97	Physical activity motivating games. , 2009, , .		5
98	Mediation of user models for enhanced personalization in recommender systems. User Modeling and User-Adapted Interaction, 2008, 18, 245-286.	2.9	160
99	Using interest and transition models to predict visitor locations in museums. AI Communications, 2008, 21, 195-202.	0.8	35
100	Aspect-Based Personalized Text Summarization. Lecture Notes in Computer Science, 2008, , 267-270.	1.0	7
101	Using Collaborative Models to Adaptively Predict Visitor Locations in Museums. Lecture Notes in Computer Science, 2008, , 42-51.	1.0	15
102	Efficient Collaborative Filtering in Content-Addressable Spaces. Series in Machine Perception and Artificial Intelligence, 2008, , 135-164.	0.1	0
103	Adaptive Retrieval of Semi-structured Data. Lecture Notes in Computer Science, 2008, , 32-41.	1.0	0
104	EFFICIENT COLLABORATIVE FILTERING IN CONTENT-ADDRESSABLE SPACES. International Journal of Pattern Recognition and Artificial Intelligence, 2007, 21, 265-289.	0.7	2
105	Distributed collaborative filtering with domain specialization. , 2007, , .		46
106	Enhancing privacy and preserving accuracy of a distributed collaborative filtering. , 2007, , .		90
107	P2P case storage and retrieval with an unspecified ontology. Artificial Intelligence Review, 2007, 28, 227-255.	9.7	0
108	Cross-Domain Mediation in Collaborative Filtering. Lecture Notes in Computer Science, 2007, , 355-359.	1.0	93

#	Article	IF	Citations
109	Management of unspecified semi-structured data in multi-agent environment. , 2006, , .		1
110	Cross-Technique Mediation of User Models. Lecture Notes in Computer Science, 2006, , 21-30.	1.0	9
111	Decentralized Mediation of User Models for a Better Personalization. Lecture Notes in Computer Science, 2006, , 404-408.	1.0	18
112	Semantic Data Management in Peer-to-Peer E-Commerce Applications. Lecture Notes in Computer Science, 2006, , 115-142.	1.0	1
113	Entertainment Personalization Mechanism Through Cross-Domain User Modeling. Lecture Notes in Computer Science, 2005, , 215-219.	1.0	6