Pablo Castells

List of Publications by Year in descending order

83 papers	3,049 citations	318942 23 h-index	299063 42 g-index
85 all docs	85 docs citations	85 times ranked	2146 citing authors

#	Article	IF	Citations
1	Novelty and Diversity in Recommender Systems. , 2022, , 603-646.		16
2	Offline recommender system evaluation: Challenges and new directions. AI Magazine, 2022, 43, 225-238.	1.4	11
3	Popularity Bias in False-positive Metrics for Recommender Systems Evaluation. ACM Transactions on Information Systems, 2021, 39, 1-43.	3.8	10
4	Effective contact recommendation in social networks by adaptation of information retrieval models. Information Processing and Management, 2020, 57, 102285.	5.4	10
5	Assessing ranking metrics in top-N recommendation. Information Retrieval, 2020, 23, 411-448.	1.6	27
6	Offline evaluation options for recommender systems. Information Retrieval, 2020, 23, 387-410.	1.6	24
7	Beyond Accuracy in Link Prediction. Communications in Computer and Information Science, 2020, , 79-94.	0.4	0
8	Axiomatic Analysis of Contact Recommendation Methods in Social Networks: An IR Perspective. Lecture Notes in Computer Science, 2020, , 175-190.	1.0	1
9	Information Retrieval Models for Contact Recommendation in Social Networks. Lecture Notes in Computer Science, 2019, , 148-163.	1.0	1
10	Recommending Contacts in Social Networks Using Information Retrieval Models. , 2018, , .		0
11	Enhancing structural diversity in social networks by recommending weak ties. , 2018, , .		24
12	On the robustness and discriminative power of information retrieval metrics for top-N recommendation. , 2018, , .		43
13	Should I Follow the Crowd?. , 2018, , .		65
14	Contact Recommendations in Social Networks. , 2018, , 519-569.		7
15	The Dagstuhl Perspectives Workshop on Performance Modeling and Prediction. ACM SIGIR Forum, 2018, 52, 91-101.	0.4	8
16	A Probabilistic Reformulation of Memory-Based Collaborative Filtering. , 2017, , .		25
17	Statistical biases in Information Retrieval metrics for recommender systems. Information Retrieval, 2017, 20, 606-634.	1.6	95
18	Novelty and Diversity in Recommender Systems. , 2015, , 881-918.		140

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19	Neighbor Selection and Weighting in User-Based Collaborative Filtering. ACM Transactions on the Web, 2014, 8, 1-30.	2.0	39
20	Report on the workshop on reproducibility and replication in recommender systems evaluation (RepSys). ACM SIGIR Forum, 2014, 48, 29-35.	0.4	6
21	Relevance-based language modelling for recommender systems. Information Processing and Management, 2013, 49, 966-980.	5.4	29
22	A comparative study of heterogeneous item recommendations in social systems. Information Sciences, 2013, 221, 142-169.	4.0	59
23	Personalization and Recommendation in Information Access. Information Processing and Management, 2013, 49, 637-639.	5.4	2
24	Bridging memory-based collaborative filtering and text retrieval. Information Retrieval, 2013, 16, 697-724.	1.6	23
25	Probabilistic collaborative filtering with negative cross entropy. , 2013, , .		4
26	Report on the SIGIR 2013 workshop on benchmarking adaptive retrieval and recommender systems. ACM SIGIR Forum, 2013, 47, 64-67.	0.4	1
27	An empirical comparison of social, collaborative filtering, and hybrid recommenders. ACM Transactions on Intelligent Systems and Technology, 2013, 4, 1-29.	2.9	47
28	An Enhanced Semantic Layer for Hybrid Recommender Systems. , 2013, , 235-269.		1
29	Explicit relevance models in intent-oriented information retrieval diversification. , 2012, , .		50
30	Personalized diversification of search results. , 2012, , .		46
31	Applying soft links to diversify video recommendations. , 2011, , .		0
32	Effects of Usage-Based Feedback on Video Retrieval. ACM Transactions on Information Systems, 2011, 29, 1-32.	3.8	8
33	Rank and relevance in novelty and diversity metrics for recommender systems. , 2011, , .		377
34	Semantically enhanced Information Retrieval: An ontology-based approach. Web Semantics, 2011, 9, 434-452.	2.2	195
35	An Enhanced Semantic Layer for Hybrid Recommender Systems. International Journal on Semantic Web and Information Systems, 2011, 7, 44-78.	2.2	40
36	Semantically Enhanced Information Retrieval: An Ontology-Based Approach. SSRN Electronic Journal, 2011, , .	0.4	1

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37	Extracting multilayered Communities of Interest from semantic user profiles: Application to group modeling and hybrid recommendations. Computers in Human Behavior, 2011, 27, 1321-1336.	5.1	41
38	Self-adjusting hybrid recommenders based on social network analysis. , 2011, , .		10
39	Structured collaborative filtering. , 2011, , .		1
40	Intent-oriented diversity in recommender systems. , 2011, , .		42
41	Precision-oriented evaluation of recommender systems. , 2011, , .		121
42	Text Retrieval Methods for Item Ranking in Collaborative Filtering. Lecture Notes in Computer Science, 2011, , 301-306.	1.0	10
43	Predicting the Performance of Recommender Systems: An Information Theoretic Approach. Lecture Notes in Computer Science, 2011, , 27-39.	1.0	9
44	Inferring user intent in web search by exploiting social annotations. , 2010, , .		6
45	Discerning Relevant Model Features in a Content-based Collaborative Recommender System. , 2010, , 429-455.		4
46	A study of heterogeneity in recommendations for a social music service. , 2010, , .		29
47	A Performance Prediction Approach to Enhance Collaborative Filtering Performance. Lecture Notes in Computer Science, 2010, , 382-393.	1.0	14
48	Predicting Neighbor Goodness in Collaborative Filtering. Lecture Notes in Computer Science, 2009, , 605-616.	1.0	4
49	Signal, image and video processing (SIVP) special issue on â€œmultimedia semantics, adaptation and personalizationâ€•Editorial. Signal, Image and Video Processing, 2008, 2, 287-288.	1.7	1
50	Ontology-Based Personalised and Context-Aware Recommendations of News Items. , 2008, , .		66
51	Semantic Search Meets the Web. , 2008, , .		56
52	Personalized information retrieval based on context and ontological knowledge. Knowledge Engineering Review, 2008, 23, 73-100.	2.1	61
53	A multilayer ontology-based hybrid recommendation model. AI Communications, 2008, 21, 203-210.	0.8	72
54	A Multi-Purpose Ontology-Based Approach for Personalised Content Filtering and Retrieval. Studies in Computational Intelligence, 2008, , 25-51.	0.7	21

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55	News@hand: A Semantic Web Approach to Recommending News. Lecture Notes in Computer Science, 2008, , 279-283.	1.0	39
56	A Flexible Model for Locating Services on the Web. International Journal of Electronic Commerce, 2007, 12, 11-40.	1.4	7
57	Personalized Content Retrieval in Context Using Ontological Knowledge. IEEE Transactions on Circuits and Systems for Video Technology, 2007, 17, 336-346.	5.6	64
58	Ontology-Based Retrieval of Human Speech. , 2007, , .		7
59	An Adaptation of the Vector-Space Model for Ontology-Based Information Retrieval. IEEE Transactions on Knowledge and Data Engineering, 2007, 19, 261-272.	4.0	315
60	Automatising the learning of lexical patterns: An application to the enrichment of WordNet by extracting semantic relationships from Wikipedia. Data and Knowledge Engineering, 2007, 61, 484-499.	2.1	67
61	Providing end-user facilities to simplify ontology-driven web application authoring. Interacting With Computers, 2007, 19, 563-585.	1.0	10
62	Semantic Web Technologies For The Financial Domain. , 2007, , 41-74.		5
63	XBRL Taxonomies and OWL Ontologies for Investment Funds. Lecture Notes in Computer Science, 2006, , 271-280.	1.0	16
64	Multilayered Semantic Social Network Modeling by Ontology-Based User Profiles Clustering: Application to Collaborative Filtering. Lecture Notes in Computer Science, 2006, , 334-349.	1.0	36
65	A Multi-Purpose Ontology-Based Approach for Personalized Content Filtering and Retrieval. , 2006, , .		11
66	Enriching Group Profiles with Ontologies for Knowledge-Driven Colalborative Content Retrieval. , 2006, , .		5
67	A Heuristic Approach to Semantic Web Services Classification. Lecture Notes in Computer Science, 2006, , 598-605.	1.0	20
68	Using historical data to enhance rank aggregation. , 2006, , .		12
69	Semi-automatic Semantic-Based Web Service Classification. Lecture Notes in Computer Science, 2006, , 459-470.	1.0	25
70	Model-Based User Interface Reengineering. , 2006, , 155-162.		4
71	An Ontology-Based Approach to the Description and Execution of Composite Network Management Processes for Network Monitoring. Lecture Notes in Computer Science, 2006, , 86-97.	1.0	4
72	Automatic Extraction of Semantic Relationships for WordNet by Means of Pattern Learning from Wikipedia. Lecture Notes in Computer Science, 2005, , 67-79.	1.0	59

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73	Finding Iteration Patterns in Dynamic Web Page Authoring. Lecture Notes in Computer Science, 2005, , 164-178.	1.0	2
74	An Ontology-Based Information Retrieval Model. Lecture Notes in Computer Science, 2005, , 455-470.	1.0	143
75	Automatic Assignment of Wikipedia Encyclopedic Entries to WordNet Synsets. Lecture Notes in Computer Science, 2005, , 380-386.	1.0	57
76	Self-tuning Personalized Information Retrieval in an Ontology-Based Framework. Lecture Notes in Computer Science, 2005, , 977-986.	1.0	30
77	Semantic Web Technologies for Economic and Financial Information Management. Lecture Notes in Computer Science, 2004, , 473-487.	1.0	21
78	Dynamic web page authoring by example using ontology-based domain knowledge. , 2003, , .		7
79	A generic presentation modeling system for adaptive web-based instructional applications. , 2001, , .		7
80	An Authoring Tool for Building Adaptive Learning Guidance Systems on the Web. Lecture Notes in Computer Science, 2001, , 268-278.	1.0	7
81	Presentation Models by Example. Eurographics, 1999, , 100-116.	0.4	2
82	Declarative models of presentation. , 1997, , .		9
83	Tailoring dynamic ontology-driven web documents by demonstration. , 0, , .		6