

Jose J Pazos-Arias

List of Publications by Year in descending order

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Version: 2024-02-01

161
papers

1,540
citations

361413

20
h-index

434195

31
g-index

172
all docs

172
docs citations

172
times ranked

1010
citing authors

#	ARTICLE	IF	CITATIONS
1	A flexible semantic inference methodology to reason about user preferences in knowledge-based recommender systems. Knowledge-Based Systems, 2008, 21, 305-320.	7.1	93
2	Providing entertainment by content-based filtering and semantic reasoning in intelligent recommender systems. IEEE Transactions on Consumer Electronics, 2008, 54, 727-735.	3.6	65
3	What's on TV tonight? An efficient and effective personalized recommender system of TV programs. IEEE Transactions on Consumer Electronics, 2009, 55, 286-294.	3.6	62
4	Controlling the Smart Home from TV. IEEE Transactions on Consumer Electronics, 2006, 52, 421-429.	3.6	55
5	Exploiting synergies between semantic reasoning and personalization strategies in intelligent recommender systems: A case study. Journal of Systems and Software, 2008, 81, 2371-2385.	4.5	49
6	Exploring synergies between content-based filtering and Spreading Activation techniques in knowledge-based recommender systems. Information Sciences, 2011, 181, 4823-4846.	6.9	45
7	An improvement for semantics-based recommender systems grounded on attaching temporal information to ontologies and user profiles. Engineering Applications of Artificial Intelligence, 2011, 24, 1385-1397.	8.1	43
8	TV program recommendation for groups based on multidimensional TV-anytime classifications. IEEE Transactions on Consumer Electronics, 2009, 55, 248-256.	3.6	42
9	Enhancing Residential Gateways: OSGi Service Composition. IEEE Transactions on Consumer Electronics, 2007, 53, 87-95.	3.6	40
10	Property-based collaborative filtering for health-aware recommender systems. Expert Systems With Applications, 2012, 39, 7451-7457.	7.6	35
11	A semantic approach to improve neighborhood formation in collaborative recommender systems. Expert Systems With Applications, 2014, 41, 7776-7788.	7.6	35
12	Provision of distance learning services over Interactive Digital TV with MHP. Computers and Education, 2008, 50, 927-949.	8.3	32
13	Enhancing Residential Gateways: A Semantic OSGi Platform. IEEE Intelligent Systems, 2008, 23, 32-40.	4.0	32
14	MiSPOT: dynamic product placement for digital TV through MPEG-4 processing and semantic reasoning. Knowledge and Information Systems, 2010, 22, 101-128.	3.2	30
15	REENACT: A step forward in immersive learning about Human History by augmented reality, role playing and social networking. Expert Systems With Applications, 2014, 41, 4811-4828.	7.6	30
16	A Mobile App to Learn About Cultural and Historical Associations in a Closed Loop with Humanities Experts. Applied Sciences (Switzerland), 2019, 9, 9.	2.5	28
17	T-MAESTRO and its authoring tool: using adaptation to integrate entertainment into personalized t-learning. Multimedia Tools and Applications, 2008, 40, 409-451.	3.9	26
18	Optimizing Reactive Routing Over Virtual Nodes in VANETs. IEEE Transactions on Vehicular Technology, 2016, 65, 2274-2294.	6.3	26

#	ARTICLE	IF	CITATIONS
19	Systematic Review of Electricity Demand Forecast Using ANN-Based Machine Learning Algorithms. <i>Sensors</i> , 2021, 21, 4544.	3.8	25
20	An extension to the ADL SCORM standard to support adaptivity: The t-learning case-study. <i>Computer Standards and Interfaces</i> , 2009, 31, 309-318.	5.4	22
21	AVATAR: ENHANCING THE PERSONALIZED TELEVISION BY SEMANTIC INFERENCE. <i>International Journal of Pattern Recognition and Artificial Intelligence</i> , 2007, 21, 397-421.	1.2	21
22	Exploiting digital TV users' preferences in a tourism recommender system based on semantic reasoning. <i>IEEE Transactions on Consumer Electronics</i> , 2010, 56, 904-912.	3.6	21
23	Receiver-side semantic reasoning for digital TV personalization in the absence of return channels. <i>Multimedia Tools and Applications</i> , 2009, 41, 407-436.	3.9	20
24	SPELTA: An expert system to generate therapy plans for speech and language disorders. <i>Expert Systems With Applications</i> , 2015, 42, 7641-7651.	7.6	17
25	A Six-valued Logic to Reason about Uncertainty and Inconsistency in Requirements Specifications. <i>Journal of Logic and Computation</i> , 2006, 16, 227-255.	0.8	16
26	User-generated contents and reasoning-based personalization: Ingredients for a novel model of mobile TV. <i>Expert Systems With Applications</i> , 2011, 38, 5289-5298.	7.6	16
27	AVATAR: An Advanced Multi-agent Recommender System of Personalized TV Contents by Semantic Reasoning. <i>Lecture Notes in Computer Science</i> , 2004, , 415-421.	1.3	16
28	The iCabiNET system: Harnessing Electronic Health Record standards from domestic and mobile devices to support better medication adherence. <i>Computer Standards and Interfaces</i> , 2012, 34, 109-116.	5.4	15
29	On the interplay between inconsistency and incompleteness in multi-perspective requirements specifications. <i>Information and Software Technology</i> , 2008, 50, 296-321.	4.4	14
30	Spontaneous interaction with audiovisual contents for personalized e-commerce over Digital TV. <i>Expert Systems With Applications</i> , 2009, 36, 4192-4197.	7.6	14
31	<i>Entercation</i>. <i>Computers in Entertainment</i> , 2007, 5, 7.	1.1	13
32	Incentivized provision of metadata, semantic reasoning and time-driven filtering: Making a puzzle of personalized e-commerce. <i>Expert Systems With Applications</i> , 2010, 37, 61-69.	7.6	13
33	Collaborative and role-play strategies in software engineering learning with web 2.0 tools. <i>Computer Applications in Engineering Education</i> , 2014, 22, 658-668.	3.4	13
34	AVATAR. , 2005, , .		12
35	An MHP framework to provide intelligent personalized recommendations about digital TV contents. <i>Software - Practice and Experience</i> , 2008, 38, 925-960.	3.6	12
36	Cloud-Based Personalization of New Advertising and e-Commerce Models for Video Consumption. <i>Computer Journal</i> , 2013, 56, 573-592.	2.4	12

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37	A tie strength based model to socially-enhance applications and its enabling implementation: mySocialSphere. Expert Systems With Applications, 2014, 41, 2582-2594.	7.6	12
38	VaNetLayer: A virtualization layer supporting access to web contents from within vehicular networks. Journal of Computational Science, 2015, 11, 185-195.	2.9	12
39	Extending SCORM to Create Adaptive Courses. Lecture Notes in Computer Science, 2006, , 679-684.	1.3	12
40	Adaptive Learning Objects for t-learning. IEEE Latin America Transactions, 2007, 5, 401-408.	1.6	11
41	Recommender Systems for the Social Web. Intelligent Systems Reference Library, 2012, , .	1.2	11
42	Inferring Contexts From Facebook Interactions: A Social Publicity Scenario. IEEE Transactions on Multimedia, 2013, 15, 1296-1303.	7.2	11
43	High Availability with Clusters of Web Services. Lecture Notes in Computer Science, 2004, , 644-653.	1.3	11
44	Incremental specification with SCTL/MUS-T: a case study. Journal of Systems and Software, 2004, 70, 189-208.	4.5	10
45	Monitoring medicine intake in the networked home: The iCabiNET solution. , 2008, , .		10
46	TripFromTV+: targeting personalized tourism to interactive digital TV viewers by social networking and semantic reasoning. IEEE Transactions on Consumer Electronics, 2011, 57, 953-961.	3.6	10
47	Making the most of TV on the move: My newschannel~†. Information Sciences, 2011, 181, 855-868.	6.9	10
48	Intersection Intelligence: Supporting Urban Platooning with Virtual Traffic Lights over Virtualized Intersection-Based Routing. Sensors, 2018, 18, 4054.	3.8	10
49	Qualitative assessment of approaches to coordinate activities of mobile hosts in ad hoc networks. , 2008, 46, 108-111.		9
50	An agile approach to support incremental development of requirements specifications. , 2006, , .		8
51	ATLAS: a framework to provide multiuser and distributed t-learning services over MHP. Software - Practice and Experience, 2006, 36, 845-869.	3.6	8
52	BRINGING THE AGILE PHILOSOPHY TO FORMAL SPECIFICATION SETTINGS. International Journal of Software Engineering and Knowledge Engineering, 2006, 16, 951-986.	0.8	8
53	Reuse of Formal Verification Efforts of Incomplete Models at the Requirements Specification Stage. Lecture Notes in Computer Science, 2003, , 326-351.	1.3	7
54	Optimizing Web Services Performance Using Caching. , 0, , .		7

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55	Composing requirements specifications from multiple prioritized sources. Requirements Engineering, 2008, 13, 187-206.	3.1	7
56	Property-based collaborative filtering: A new paradigm for semantics-based, health-aware recommender systems. , 2010, , .		7
57	Automatic provision of personalized e-commerce services in Digital TV scenarios with impermanent connectivity. Expert Systems With Applications, 2011, 38, 12691-12698.	7.6	7
58	Virtualization in VANETs to support the vehicular cloud — Experiments with the network as a service model. , 2014, , .		7
59	SPELTRA: A Robotic Assistant for Speech-and-Language Therapy. Lecture Notes in Computer Science, 2015, , 525-534.	1.3	7
60	A Bespoke Social Network for Deaf Women in Ecuador to Access Information on Sexual and Reproductive Health. International Journal of Environmental Research and Public Health, 2019, 16, 3962.	2.6	7
61	Design, Implementation and Evaluation of a Support System for Educators and Therapists to Rate the Acquisition of Pre-Writing Skills. IEEE Access, 2021, 9, 77920-77929.	4.2	7
62	ARIFS METHODOLOGY: REUSING INCOMPLETE MODELS AT THE REQUIREMENTS SPECIFICATION STAGE. International Journal of Software Engineering and Knowledge Engineering, 2005, 15, 607-645.	0.8	6
63	Guidelines for the incremental identification of aspects in requirements specifications. Requirements Engineering, 2006, 11, 239-263.	3.1	6
64	Providing SCORM with adaptivity. , 2006, , .		6
65	TV program recommendation for groups based on multidimensional TV-Anytime classifications. , 2009, , .		6
66	Methodologies to evolve formal specifications through refinement and retrenchment in an analysisâ€“revision cycle. Requirements Engineering, 2009, 14, 129-153.	3.1	6
67	Broadcasting and personalization of user-generated contents in DVB-H mobile networks. Multimedia Systems, 2009, 15, 173-185.	4.7	6
68	Context-aware personalization services for a residential gateway based on the OSGi platform. Expert Systems With Applications, 2010, 37, 6538-6546.	7.6	6
69	Enhancing TV programmes with additional contents using MPEG-7 segmentation information. Expert Systems With Applications, 2010, 37, 1124-1133.	7.6	6
70	Bringing Content Awareness to Web-Based IDTV Advertising. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 324-333.	2.9	6
71	Mobile data offloading in urban VANETs on top of a virtualization layer. , 2015, , .		6
72	Semantic Reasoning: A Path to New Possibilities of Personalization. , 2008, , 720-735.		6

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73	An analysis-revision cycle to evolve requirements specifications by using the SCTL-MUS methodology. , 0, , .		5
74	Non-invasive and Personalized Advertising through MPEG-4 Processing and Semantic Reasoning. , 2007, , .		5
75	Enhancing Residential Gateways: OSGi Services Composition. , 2007, , .		5
76	Enhancing Recommender Systems with Access to Electronic Health Records and Groups of Interest in Social Networks. , 2011, , .		5
77	Maturation Assessment System for Speech and Language Therapy based on Multilevel PAM and KNN. Procedia Technology, 2014, 16, 1265-1270.	1.1	5
78	RAMSES : a robotic assistant and a mobile support environment for speech and language therapy. , 2015, , .		5
79	Technology-Powered Strategies to Rethink the Pedagogy of History and Cultural Heritage through Symmetries and Narratives. Symmetry, 2019, 11, 367.	2.2	5
80	MHP-OSGi convergence: a new model for open residential gateways. Software - Practice and Experience, 2006, 36, 1421-1442.	3.6	4
81	Formal specification applied to multiuser distributed services: Experiences in collaborative t-learning. Journal of Systems and Software, 2006, 79, 1141-1155.	4.5	4
82	Personalizing e-Commerce by Semantics-Enhanced Strategies and Time-Aware Recommendations. , 2008, , .		4
83	Introducing smart packaging in residential networks to prevent medicine misuse. , 2008, , .		4
84	TVGuide2.0: applying the Web2.0 fundamentals to IDTV. Multimedia Tools and Applications, 2011, 53, 151-179.	3.9	4
85	Property-based collaborative filtering for health-aware recommender systems. , 2011, , .		4
86	Efficient and viable intersection-based routing in VANETs on top of a virtualization layer. Annales Des Telecommunications/Annals of Telecommunications, 2018, 73, 317-328.	2.5	4
87	Sensorised Low-Cost Pencils for Developing Countries: A Quantitative Analysis of Handwriting Learning Progress in Children with/without Disabilities from a Sustainable Perspective. Sustainability, 2020, 12, 10682.	3.2	4
88	Tracing Integration Analysis in Component-Based Formal Specifications. Lecture Notes in Computer Science, 2005, , 147-162.	1.3	3
89	COMPOSING MULTI-PERSPECTIVE SOFTWARE REQUIREMENTS SPECIFICATIONS. International Journal of Software Engineering and Knowledge Engineering, 2008, 18, 119-153.	0.8	3
90	KEPPAN: Knowledge exploitation for proactively-planned ad-hoc networks. Journal of Network and Computer Applications, 2009, 32, 1194-1209.	9.1	3

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91	Exploring synergies between digital tv recommender systems and electronic health records. , 2010, , .		3
92	T-Learning 2.0: A Personalised Hybrid Approach Based on Ontologies and Folksonomies. Studies in Computational Intelligence, 2010, , 125-142.	0.9	3
93	Comparing Tag Clustering Algorithms for Mining Twitter Users' Interests. , 2013, , .		3
94	SPORANGIUM - validating the concept of sporadic social networks in pervasive applications. , 2015, , .		3
95	An improved virtualization layer to support distribution of multimedia contents in pervasive social applications. Journal of Network and Computer Applications, 2015, 51, 1-17.	9.1	3
96	An Efficient Combination of Topological and Geographical Routing for VANETs on Top of a Virtualization Layer. , 2015, , .		3
97	Assessing Children's Perceptions of Live Interactions With Avatars: Preparations for Use in ASD Therapy in a Multi-Ethnic Context. IEEE Access, 2020, 8, 168456-168469.	4.2	3
98	Inferring Ties for Social-Aware Ambient Intelligence: The Facebook Case. Advances in Intelligent and Soft Computing, 2012, , 75-83.	0.2	3
99	Automatic Generation of Mashups for Personalized Commerce in Digital TV by Semantic Reasoning. Lecture Notes in Computer Science, 2009, , 132-143.	1.3	3
100	ARIFS:. Electronic Notes in Theoretical Computer Science, 2002, 66, 16-35.	0.9	2
101	An Improved Repository System for Effective and Efficient Reuse of Formal Verification Efforts. , 0, , .		2
102	Eliciting requirements and scenarios using the SCTL-MUS methodology. , 2005, , .		2
103	Controlling The Smart Home from TV. , 0, , .		2
104	AVATAR: An Improved Solution for Personalized TV based on Semantic Inference. , 0, , .		2
105	A TV-anytime metadata approach to TV program recommendation for groups. , 2008, , .		2
106	Sponsored advertising for IDTV: A personalized and content-aware approach. , 2009, , .		2
107	Entering information about medication intake in standard Electronic Health Records from the networked home. , 2009, , .		2
108	PROCEDURES AND ALGORITHMS FOR CONTINUOUS INTEGRATION IN AN AGILE SPECIFICATION ENVIRONMENT. International Journal of Software Engineering and Knowledge Engineering, 2009, 19, 47-78.	0.8	2

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109	Spreading influence values over weighted relationships among users of several social networks. , 2012, , .		2
110	Leveraging Short-Lived Social Networks in Museums to Engage People in History Learning. , 2013, , .		2
111	Augmented reality, smart codes and cloud computing for personalized interactive advertising on billboards. , 2015, , .		2
112	S-CMA: sporadic cloud-based mobile augmentation supported by an ad-hoc cluster of moving handheld devices and a virtualization layer. , 2015, , .		2
113	Experiences from placing Stack Overflow at the core of an intermediate programming course. Computer Applications in Engineering Education, 2019, 27, 698-707.	3.4	2
114	Mining Facebook Activity to Discover Social Ties: Towards a Social-Sensitive Ecosystem. Communications in Computer and Information Science, 2013, , 71-85.	0.5	2
115	Adapting Spreading Activation Techniques towards a New Approach to Content-Based Recommender Systems. Smart Innovation, Systems and Technologies, 2010, , 1-11.	0.6	2
116	Evaluation of an Expert System for the Generation of Speech and Language Therapy Plans. JMIR Medical Informatics, 2016, 4, e23.	2.6	2
117	The MiSPOT System: Personalized Publicity and Marketing over Interactive Digital TV. Communications in Computer and Information Science, 2008, , 315-327.	0.5	2
118	ZapTV: Personalized User-Generated Content for Handheld Devices in DVB-H Mobile Networks. Lecture Notes in Computer Science, 2008, , 193-203.	1.3	2
119	Approximate Retrieval of Incomplete and Formal Specifications applied to horizontal reuse. , 0, , .		1
120	Collaborative T-learning: Bringing Greater Levels of Interactivity into the Home. , 0, , .		1
121	Providing Web Services over DVB-H: Mobile Virtual Web Services. IEEE Transactions on Consumer Electronics, 2007, 53, 644-652.	3.6	1
122	KEPPAN: Towards Autonomic Communications in Mobile Ad-hoc Networks. , 2007, , .		1
123	Downsizing Semantic Reasoning to Fixed and Mobile DTV Receivers. , 2007, , .		1
124	T-MAESTRO: Personalized learning for IDTV. , 2008, , .		1
125	A Two-Sided Simulator for the Assessment of Coordination Policies in Mobile Ad-Hoc Networks. , 2008, , .		1
126	Providing Entertainment by Content-based Filtering and Reasoning in Intelligent Recommender Systems. , 2008, , .		1

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127	Semantic Reasoning and Mashups: An Innovative Approach to Personalized E-Commerce in Digital TV. , 2009, , .		1
128	T-learning in Telecommunication Engineering: The Value of Interactive Digital TV in the European Higher Education Area. , 2010, , .		1
129	Virtual Virtual Circuits: One Step beyond Virtual Mobile Nodes in Vehicular Ad-Hoc Networks. , 2012, , .		1
130	A social approach to parental monitoring over DVB-IPTV digest of technical papers. , 2012, , .		1
131	Leveraging short-lived social networks in vehicular environments. , 2013, , .		1
132	SPORANGIUM: Exploiting a Virtualization Layer to Support the Concept of Sporadic Cloud Computing with Users on the Move. Advances in Intelligent Systems and Computing, 2015, , 959-966.	0.6	1
133	A cooperative purchasing system for smart ad-hoc networks. , 2015, , .		1
134	Sporadic Cloud-Based Mobile Augmentation on the Top of a Virtualization Layer: A Case Study of Collaborative Downloads in VANETs. Journal of Advanced Transportation, 2019, 2019, 1-21.	1.7	1
135	Managing Ad-Hoc Networks Through the Formal Specification of Service Requirements. Lecture Notes in Computer Science, 2006, , 164-178.	1.3	1
136	A Hybrid Strategy to Personalize the Digital Television by Semantic Inference. , 2007, , 33-51.		1
137	Semantic Web Technologies in the Service of Personalization Tools. , 2009, , 68-87.		1
138	“The User Around the Marketplace”: Automatic Engineering of Interactive E-commerce Applications. Intelligent Systems Reference Library, 2011, , 285-307.	1.2	1
139	Conclusiones and Open Trends. Intelligent Systems Reference Library, 2012, , 211-222.	1.2	1
140	Exploring New Ways for Personalized E-Commerce through Digital TV. Studies in Computational Intelligence, 2013, , 181-201.	0.9	1
141	Context-Aware Recommender Systems Influenced by the Users’ Health-Related Data. Human-computer Interaction Series, 2013, , 153-173.	0.6	1
142	Virtual Web Services. , 0, , 74-94.		1
143	Downsizing Semantic Reasoning to Fixed and Mobile DTV Receivers. , 2007, , .		0
144	MISPOT: Enhanced Availability and Quality in Delivering Personalized M-Learning Linked to TV Programs. , 2008, , .		0

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145	MYTV 2.0: Semantic reasoning and Web 2.0 for mobile TV. , 2008, , .		0
146	TVGuide2.0: Applying the Web2.0 fundamentals to IDTV. , 2009, , .		0
147	Mashing up TV and the Web in the mobile world. , 2009, , .		0
148	Application-level assessment of approaches to coordinate node mobility in wireless sensor and actor networks. Computer Communications, 2010, 33, 860-867.	5.1	0
149	Bringing mobile tv to the mashup approach. , 2010, , .		0
150	TripFromTV+: Exploiting social networks to arrange cut-price touristic packages. , 2011, , .		0
151	Connection sharing on top of a virtualization layer to support Vehicular Cloud Computing. , 2014, , .		0
152	Welcome Message from the Chairs. , 2015, , .		0
153	Delivering personalised m-commerce through cloud-based augmented reality on billboards. , 2015, , .		0
154	Deep Guessing: Generating Meaningful Personalized Quizzes on Historical Topics by Introducing Wikicategories in Doc2Vec. , 2018, , .		0
155	Experiences from turning Linux into an instructional operating system. Computer Applications in Engineering Education, 2020, 28, 1128-1136.	3.4	0
156	Distance Education Initiatives Apart from the PC. , 2009, , 1162-1167.		0
157	Personalization in the Information Era. , 2009, , 3059-3064.		0
158	A Social P2P Approach for Personal Knowledge Management in the Cloud. Lecture Notes in Computer Science, 2012, , 585-594.	1.3	0
159	Modelling Domain Knowledge of Speech and Language Therapy with an OWL Ontology and OpenEHR Archetypes. , 2015, , .		0
160	Using Cortical Learning Algorithm to Arrange Sporadic Online Conversation Groups According to Personality Traits. Lecture Notes in Computer Science, 2016, , 429-436.	1.3	0
161	CuneiForce: Involving the Crowd in the Annotation of Unread Mesopotamian Cuneiform Tablets Through a Gamified Design. IFIP Advances in Information and Communication Technology, 2020, , 158-163.	0.7	0