

Pattern Languages in HCI: A Critical Review

Human-Computer Interaction

21, 49-102

DOI: [10.1207/s15327051hci2101_3](https://doi.org/10.1207/s15327051hci2101_3)

Citation Report

#	ARTICLE	IF	CITATIONS
1	"...real, concrete facts about what works...". , 2005, , .		7
2	aIRPLane. , 2007, , .		0
3	Pattern design in the context space. , 2007, , .		2
4	Web pages clustering based on web patterns. , 2007, , .		0
5	Web Page Analysis: Experiments Based on Discussion and Purchase Web Patterns. , 2007, , .		4
6	GUI Patterns and Web Semantics. , 2007, , .		0
7	Patterns as a paradigm for theory in community-based learning. International Journal of Computer-Supported Collaborative Learning, 2007, 2, 41-59.	1.9	23
8	Donâ€™t do this â€“ Pitfalls in using anti-patterns in teaching humanâ€™computer interaction principles. Computers and Education, 2008, 50, 979-1008.	5.1	30
9	Web retrieval improvement: Using pattern detection. , 2008, , .		0
10	Enhancing learning management systems to better support computer science education. SIGCSE Bulletin, 2008, 40, 142-166.	0.1	58
11	Building project management communities: exploring the contribution of patterns supported by web 2.0 technologies. Computer Science Education, 2009, 19, 257-272.	2.7	2
12	Pattern languages in the wild. , 2009, , .		9
13	Dealing with abstraction: Case study generalisation as a method for eliciting design patterns. Computers in Human Behavior, 2009, 25, 1079-1088.	5.1	25
14	Auditory display designâ€™An investigation of a design pattern approach. International Journal of Human Computer Studies, 2009, 67, 907-922.	3.7	30
15	Web Engineering at the Frontier of the Web 2.0: Design Patterns for Online 3D Shared Spaces. World Wide Web, 2009, 12, 345-379.	2.7	6
16	Analysing Internet Information Propagation Using Quality of Service Methodology Based on Algebra of System. , 2009, , .		0
17	Cluster, SOM and NMF Analyses of Web Patterns. , 2009, , .		0
18	Experience Design: Technology for All the Right Reasons. Synthesis Lectures on Human-Centered Informatics, 2010, 3, 1-95.	0.4	278

#	ARTICLE	IF	CITATIONS
19	Analyse critique des approches de l'acceptation des technologies: de l'utilisabilité à la symbiose humain-technologie-organisation. <i>Revue Europeenne De Psychologie Appliquee</i> , 2010, 60, 129-146.	0.4	53
20	Building an interaction design pattern language: A case study. <i>Computers in Human Behavior</i> , 2010, 26, 452-463.	5.1	25
21	Pattern qualifications and examples of next-generation agile system-security strategies. , 2010, , .		13
22	Research on the pedagogies of computer science. , 2010, , .		0
23	A flexible model for improving the reuse of user interface design patterns. , 2010, , .		1
24	User experience (UX) patterns for audio-visual networked applications. , 2010, , .		1
25	Using interaction requirements to operationalize usability. , 2010, , .		2
26	Web Content Mining Using MicroGenres. <i>Studies in Computational Intelligence</i> , 2010, , 79-111.	0.7	0
27	Pre-patterns for designing embodied interactions in handheld augmented reality games. , 2011, , .		30
28	Design, User Experience, and Usability. Theory, Methods, Tools and Practice. <i>Lecture Notes in Computer Science</i> , 2011, , .	1.0	1
29	A pattern language for touch point ecosystem user experience. , 2011, , .		7
30	Towards a reference architecture for the design of mobile shared workspaces. <i>Future Generation Computer Systems</i> , 2011, 27, 109-118.	4.9	19
31	The organization of interaction design pattern languages alongside the design process. <i>Interacting With Computers</i> , 2011, 23, 189-201.	1.0	2
32	A pattern approach to specifying usability features in use cases. , 2011, , .		2
33	Representing practice: practice models, patterns, bundles etc. <i>Learning, Media and Technology</i> , 2011, 36, 101-127.	2.1	13
34	Direct Deliberative Governance Online: Consensual Problem Solving or Accommodated Pluralism?. <i>Journal of Information Technology and Politics</i> , 2012, 9, 46-63.	1.8	7
35	Making Claims: Knowledge Design, Capture, and Sharing in HCI. <i>Synthesis Lectures on Human-Centered Informatics</i> , 2012, 5, 1-125.	0.4	3
36	Formal specification of usability heuristics. , 2012, , .		8

#	ARTICLE	IF	CITATIONS
37	Specifying usability features with patterns and templates. , 2012, , .		9
38	User Interface Design Guidelines Arrangement in a Recommender System with Frame Ontology. Lecture Notes in Computer Science, 2012, , 311-322.	1.0	4
39	The use of design patterns in overcoming misunderstandings in collaborative interaction design. CoDesign, 2012, 8, 231-246.	1.4	9
40	Value-sensitive design patterns for pervasive health care. , 2012, , .		4
41	Tracing the evolution of HCI patterns as an interaction design tool. Innovations in Systems and Software Engineering, 2012, 8, 93-109.	1.6	19
42	Supporting activity modelling from activity traces. Expert Systems, 2012, 29, 261-275.	2.9	16
43	A reusable structural design for mobile collaborative applications. Journal of Systems and Software, 2012, 85, 511-524.	3.3	28
44	Human-Computer Interaction. Human-Centred Design Approaches, Methods, Tools, and Environments. Lecture Notes in Computer Science, 2013, , .	1.0	2
45	An Information Foraging Theory Perspective on Tools for Debugging, Refactoring, and Reuse Tasks. ACM Transactions on Software Engineering and Methodology, 2013, 22, 1-41.	4.8	53
46	Representation patterns for cultural heritage resources. Proceedings of the American Society for Information Science and Technology, 2013, 50, 1-4.	0.2	1
47	How was it for you? Experiences of participatory design in the UK health service. CoDesign, 2013, 9, 230-246.	1.4	126
48	Designing, developing, and deploying systems to support human-robot teams in disaster response. Advanced Robotics, 2014, 28, 1547-1570.	1.1	54
49	Designing digital peer support for children. , 2014, , .		16
50	Interaction design patterns for coherent and re-usable shape specifications of human-robot collaboration. , 2014, , .		8
51	Adjustable properties of visual representations: Improving the quality of human-information interaction. Journal of the Association for Information Science and Technology, 2014, 65, 455-482.	1.5	28
52	Toward a language of mixed reality in the continuity style. Convergence, 2014, 20, 41-54.	1.6	4
53	A comparison of location search UI patterns on mobile devices. , 2014, , .		4
54	A universal design resource for rich Internet applications based on design patterns. Universal Access in the Information Society, 2014, 13, 205-226.	2.1	19

#	ARTICLE	IF	CITATIONS
55	Extracting game design patterns from game design workshops. International Journal of Intelligent Engineering Informatics, 2015, 3, 166.	0.1	5
56	From making claims to establishing patterns: Understanding mobile user interface design in Ethiopia. , 2015, , .		0
57	Investigating an author's influence using citation analyses: Christopher alexander (1964â€“2014). Proceedings of the Association for Information Science and Technology, 2015, 52, 1-10.	0.3	5
58	Human Factors in the Design of Interactive Multimedia Art Installations (IMAI). Procedia Manufacturing, 2015, 3, 4572-4577.	1.9	1
59	Validation of a Service Design Pattern Language as an Effective Framework for Multidisciplinary Design. , 2015, , .		4
60	Grenzenlos Swipen - GerÃ¼bergÃ¼nge im Multiscreen-Kontext. , 2015, , 551-558.		0
61	Research on a Pattern-Based User Interface Development Method. , 2015, , .		4
62	A set of patterns for the structured design of MOOCs. Open Learning, 2015, 30, 206-220.	2.4	23
63	Guidelines for the Design of Movement-Based Games and Their Relevance to HCI. Human-Computer Interaction, 2015, 30, 366-399.	3.1	67
64	Interaction Design Patterns in Recommender Systems. , 2015, , .		5
65	Design patterns for helping students to learn to represent math problems in online learning systems. , 2016, , .		5
66	Design Mining Color Semantics. Springer Theses, 2016, , 15-55.	0.0	0
67	An eye-tracking study of web search interaction design patterns. , 2016, , .		1
68	A quick guide to definitions, functions and charts. , 2016, , 299-306.		0
69	Design of Visualizations for Human-Information Interaction: A Pattern-Based Framework. Synthesis Lectures on Visualization, 2016, 4, 1-185.	0.1	25
70	Towards a Pattern Language for Distributed User Interfaces. , 2016, , .		4
71	Using pattern languages in typographic design. , 2016, , 173-192.		0
72	Claims-to-Patterns Approach to Leverage Mobile Interaction Design for Low-Literacy Users. , 2016, , .		2

#	ARTICLE	IF	CITATIONS
73	Designing Mobile Interaction for Low-Literacy (D-MILL). , 2016, , .		3
74	Claims-Inspired Pattern Development. , 2016, , .		3
75	Assessing refactorings for usability in e-commerce applications. Empirical Software Engineering, 2016, 21, 1224-1271.	3.0	12
76	Donor patterns: a modular structure for sharing knowledge. Journal of the Operational Research Society, 2016, 67, 378-392.	2.1	3
77	Pattern research in the digital humanities: how data mining techniques support the identification of costume patterns. Computer Science - Research and Development, 2017, 32, 311-321.	2.7	5
78	User interface patterns in recommendation-empowered content intensive multimedia applications. Multimedia Tools and Applications, 2017, 76, 5275-5309.	2.6	24
79	Barriers for Bridging Interpersonal Gaps. , 2017, , .		11
80	Humanâ€“computer interaction, foundations and new paradigms. Journal of Visual Languages and Computing, 2017, 42, 122-134.	1.8	75
81	Leveraging Design Patterns to Support Designer-Therapist Collaboration When Ideating Brain Injury Therapy Games. , 2017, , .		6
82	The Use of Patterns as an Urban Design Approach. Urban Science, 2018, 2, 101.	1.1	5
83	Using Gameplay Design Patterns with Children in the Redesign of a Collaborative Co-located Game. , 2019, , .		15
84	The Platform Review Alliance Board: designing an organizational model to bring together producers and consumers in the review and commissioning of platform software. Journal of Organization Design, 2019, 8, 1.	0.7	2
85	Levelling, Nudging, and Easing. , 2019, , .		3
86	Facilitating the First Move. , 2019, , .		5
87	Memorial Design Pattern Catalogue â€“ Design Issues for Digital Remembrance. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 143-151.	0.2	0
88	On providing systematized access to consolidated principles, guidelines and patterns for usable security research and developmentâ€. Translational Research in Oral Oncology, 2019, 5, .	2.3	3
89	Reflecting on the Design Process for Virtual Reality Applications. International Journal of Human-Computer Interaction, 2019, 35, 168-179.	3.3	58
90	A Memorial Design Pattern Catalogue for Commemorative Digital Culture. , 2020, , 15-37.		2

#	ARTICLE	IF	CITATIONS
91	Bluetooth Tracking Approach for User Assistance Based in Sequential Patterns Analysis. <i>Advances in Intelligent Systems and Computing</i> , 2020, , 59-64.	0.5	0
92	Mapping Humanâ€™Computer Interaction Research Themes and Trends from Its Existence to Today: A Topic Modeling-Based Review of past 60 Years. <i>International Journal of Human-Computer Interaction</i> , 2021, 37, 267-280.	3.3	54
93	What Can CHI Do About Dark Patterns?. , 2021, , .		14
94	Counterfactual Thinking: What Theories <i>Do</i> in Design. <i>International Journal of Human-Computer Interaction</i> , 2022, 38, 78-92.	3.3	11
95	How the Design of YouTube Influences User Sense of Agency. , 2021, , .		41
96	A Pattern Approach to Comprehensible and Pleasant Humanâ€™Robot Interaction. <i>Multimodal Technologies and Interaction</i> , 2021, 5, 49.	1.7	6
97	AR Scribble: Evaluating Design Patterns for Augmented Reality User Interfaces. <i>Lecture Notes in Computer Science</i> , 2021, , 169-177.	1.0	4
98	Teaching Usability Principles with Patterns and Guidelines. <i>International Federation for Information Processing</i> , 2009, , 159-174.	0.4	8
99	Designing Interactions in Tourism Mediascape â€™ Identification of Patterns for Mobile 2.0 Platform. , 2008, , 395-406.		9
100	Inclusive Design and Anthropological Methods to Create Technological Support for Societal Inclusion. <i>Lecture Notes in Computer Science</i> , 2014, , 31-42.	1.0	2
103	Web Pages Reordering and Clustering Based on Web Patterns. , 2008, , 731-742.		11
104	Design Patterns Applied in a User Interface Design (UID) Process for Safety Critical Environments (SCEs). <i>Lecture Notes in Computer Science</i> , 2008, , 459-474.	1.0	8
105	Do We Practise What We Preach in Formulating Our Design and Development Methods?. <i>Lecture Notes in Computer Science</i> , 2008, , 567-585.	1.0	3
106	Towards Pattern-Driven Engineering of Run-Time Adaptive User Interfaces for Smart Production Environments. <i>Lecture Notes in Computer Science</i> , 2011, , 299-308.	1.0	4
108	A Design Process for Exhibiting Design Choices and Trade-Offs in (Potentially) Conflicting User Interface Guidelines. <i>Lecture Notes in Computer Science</i> , 2012, , 53-71.	1.0	10
109	Towards User Interface Patterns for ERP Applications on Smartphones. <i>Lecture Notes in Business Information Processing</i> , 2013, , 14-25.	0.8	4
110	Inclusive Design: Bridging Theory and Practice. <i>Lecture Notes in Computer Science</i> , 2013, , 323-332.	1.0	4
111	Notes on Synthesis of Context between Engineering and Social Science. <i>Lecture Notes in Computer Science</i> , 2013, , 157-170.	1.0	3

#	ARTICLE	IF	CITATIONS
112	Patterns or claims. , 2009, , .		7
113	Collaborative Writing Across Multiple Artifact Ecologies. , 2020, , .		18
114	Team Design Patterns. , 2019, , .		8
115	Teachersâ€™ Collaborative Pattern Language Design. Designs for Learning, 2018, 10, 1-17.	0.7	4
116	Participatory design in open education: a workshop model for developing a pattern language. Journal of Interactive Media in Education, 2008, 2008, 12.	1.1	14
118	Are User Interface Pattern Languages Usable? A Report from the Trenches. Lecture Notes in Computer Science, 2009, , 542-545.	1.0	1
120	The Aachen Media Space: Design Patterns for Augmented Work Environments. Computer Supported Cooperative Work / Series Ed By: Dan Diaper and Colston Sanger, 2009, , 261-312.	1.1	0
121	Patterns as a Paradigm for Theory in Community-Based Learning. Human-computer Interaction Series, 2009, , 173-194.	0.4	0
122	Developing Pattern Languages: New Ways of Communicating Naturalistic Insights for System Development and Evaluation. , 0, , .		1
124	Patterns for Emergent Global Intelligence. , 2013, , 405-422.		1
125	Activity Theory as a Tool for Identifying Design Patterns in Cross-Modal Collaborative Interaction. Lecture Notes in Computer Science, 2013, , 232-240.	1.0	0
126	Formative Evaluation for Complex Interactive Systems. Lecture Notes in Computer Science, 2013, , 47-54.	1.0	0
127	Requirements for a Definition of Generative User Interface Patterns. Lecture Notes in Computer Science, 2013, , 510-520.	1.0	0
128	Evaluating Design Patterns of Commercial Web Applications using Net Easy Score. International Journal of Information Technology and Computer Science, 2013, 5, 91-100.	0.8	0
129	Towards User Interface Components for Dashboard Applications on Smartphones. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2014, , 19-32.	0.2	2
130	Patterns of Work: A Pragmatic Approach. Computer Supported Cooperative Work / Series Ed By: Dan Diaper and Colston Sanger, 2015, , 35-62.	1.1	0
131	Examining Design Pattern Strategies as a Means to Achieve Social Presence in the Online Classroom. Advances in Educational Technologies and Instructional Design Book Series, 2015, , 22-49.	0.2	0
132	Defining and Optimizing User Interfaces Information Complexity for AI Methods Application in HCI. Lecture Notes in Computer Science, 2015, , 397-405.	1.0	0

#	ARTICLE	IF	CITATIONS
133	TEACHING DESIGN PATTERNS IN A REAL-TIME EMBEDDED SYSTEMS INTERFACING COURSE. Proceedings of the Canadian Engineering Education Association (CEEA), 0, , .	0.2	0
134	Practicing Mobile Interface Design Principles Through the Use of HCI Design Patternsâ€”A Training Strategy. Lecture Notes in Information Systems and Organisation, 2016, , 187-198.	0.4	1
135	Examining Design Pattern Strategies as a Means to Achieve Social Presence in the Online Classroom. , 2016, , 1571-1597.		0
136	Mental Workload and Speech Processing. , 2016, , 172-201.		0
137	Consolidating Principles and Patterns for Human-centred Usable Security Research and Development. , 2018, , .		3
139	An Early Rico Retrospective: Three Years of Uses for a Mobile App Dataset. Human-computer Interaction Series, 2021, , 229-256.	0.4	2
140	Towards a pattern language for interactive coding tutorials. , 2020, , .		1
141	Examining Design Pattern Strategies as a Means to Achieve Social Presence in the Online Classroom. , 0, , 398-425.		0
142	Design Patterns as Guidance for Designers of Groupware used by Team for the Development of Innovative Products. , 0, , 247-255.		2
143	Semantic Analysis of Web Pages Using Cluster Analysis and Nonnegative Matrix Factorization. , 2007, , 328-336.		3
144	Analysis of Human Computer Interaction (HCI) Model in SMEs. , 2020, , 47-53.		0
145	Generative Theories of Interaction. ACM Transactions on Computer-Human Interaction, 2021, 28, 1-54.	4.6	21
147	Human-Computer Interaction in Digital Mental Health. Informatics, 2022, 9, 14.	2.4	20
148	Design Patterns for Mobile Augmented Reality User Interfacesâ€”An Incremental Review. Information (Switzerland), 2022, 13, 159.	1.7	2
149	Lessons learned from designing an asynchronous remote community approach for behavioral activation intervention for teens. Behaviour Research and Therapy, 2022, 151, 104065.	1.6	6
150	An Approach to Describe Design Pattern Structures for Sustainable Software Products. Progress in IS, 2022, , 3-16.	0.5	0
151	Mobile User Interaction Design Patterns: A Systematic Mapping Study. Information (Switzerland), 2022, 13, 236.	1.7	1
152	Designing Socially Interactive, Robotic Environments through Pattern Languages. , 2022, , .		1

#	ARTICLE	IF	CITATIONS
153	The role of design patterns in the development and legal assessment of lawful technologies. Electronic Markets, 0, , .	4.4	2
154	Analysis of Human Computer Interaction (HCI) Model in SMEs. International Journal of Advanced Information and Communication Technology, 2021, , 12-18.	0.0	0
155	Patterns for Active E-Learning in CMS Environments. , 2008, 2, 277-294.		0
156	Data Cart: A Privacy Pattern for Personal Data Management in Organizations. , 2023, , 353-378.		0
158	Future public space: Foresight-based implications and design patterns for post-pandemic placemaking strategies. AIP Conference Proceedings, 2023, , .	0.3	0
162	Patterns of reading assistance for software users with varying reading skills. , 2023, , .		0