Yacine Rezgui

List of Publications by Year
in descending order

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214 papers	7,814 citations	46918 47 h-index	60497 81 g-index
219 all docs	219 docs citations	219 times ranked	6594 citing authors

#	Article	IF	Citations
1	Trees vs Neurons: Comparison between random forest and ANN for high-resolution prediction of building energy consumption. Energy and Buildings, 2017, 147, 77-89.	3.1	630
2	Towards a semantic Construction Digital Twin: Directions for future research. Automation in Construction, 2020, 114, 103179.	4.8	491
3	Electrical load forecasting models: A critical systematic review. Sustainable Cities and Society, 2017, 35, 257-270.	5.1	287
4	Predictive modelling for solar thermal energy systems: A comparison of support vector regression, random forest, extra trees and regression trees. Journal of Cleaner Production, 2018, 203, 810-821.	4.6	282
5	Building energy metering and environmental monitoring â€“ A state-of-the-art review and directions for future research. Energy and Buildings, 2016, 120, 85-102.	3.1	245
6	Towards the next generation of smart grids: Semantic and holonic multi-agent management of distributed energy resources. Renewable and Sustainable Energy Reviews, 2017, 77, 193-214.	8.2	201
7	Sustainable building assessment tool development approach. Sustainable Cities and Society, 2012, 5, 52-62.	5.1	180
8	A zone-level, building energy optimisation combining an artificial neural network, a genetic algorithm, and model predictive control. Energy, 2018, 151, 729-739.	4.5	176
9	Tree-based ensemble methods for predicting PV power generation and their comparison with support vector regression. Energy, 2018, 164, 465-474.	4.5	174
10	Computational intelligence techniques for HVAC systems: A review. Building Simulation, 2016, 9, 359-398.	3.0	167
11	Review of building energy performance certification schemes towards future improvement. Renewable and Sustainable Energy Reviews, 2019, 113, 109244.	8.2	141
12	Factors for effective BIM governance. Journal of Building Engineering, 2017, 10, 89-101.	1.6	128
13	Information security awareness in higher education: An exploratory study. Computers and Security, 2008, 27, 241-253.	4.0	122
14	District heating and cooling optimization and enhancement â€“ Towards integration of renewables, storage and smart grid. Renewable and Sustainable Energy Reviews, 2017, 72, 281-294.	8.2	119
15	ANNâ€“GA smart appliance scheduling for optimised energy management in the domestic sector. Energy and Buildings, 2016, 111, 311-325.	3.1	115
16	Generations of knowledge management in the architecture, engineering and construction industry: An evolutionary perspective. Advanced Engineering Informatics, 2010, 24, 219-228.	4.0	102
17	A rule-based semantic approach for automated regulatory compliance in the construction sector. Expert Systems With Applications, 2015, 42, 5219-5231.	4.4	101
18	Progress in ambient assisted systems for independent living by the elderly. SpringerPlus, 2016, 5, 624.	1.2	101

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19	A GOVERNANCE APPROACH FOR BIM MANAGEMENT ACROSS LIFECYCLE AND SUPPLY CHAINS USING MIXED-MODES OF INFORMATION DELIVERY. Journal of Civil Engineering and Management, 2013, 19, 239-258.	1.9	97
20	Operational supply and demand optimisation of a multi-vector district energy system using artificial neural networks and a genetic algorithm. Applied Energy, 2019, 235, 699-713.	5.1	94
21	Utilizing artificial neural network to predict energy consumption and thermal comfort level: An indoor swimming pool case study. Energy and Buildings, 2014, 80, 45-56.	3.1	87
22	Paving the Way to the Vision of Digital Construction: A Strategic Roadmap. Journal of Construction Engineering and Management - ASCE, 2006, 132, 767-776.	2.0	82
23	Disaster community resilience assessment method: a consensus-based Delphi and AHP approach. Natural Hazards, 2015, 78, 395-416.	1.6	82
24	Developing sustainable building assessment scheme for Saudi Arabia: Delphi consultation approach. Renewable and Sustainable Energy Reviews, 2013, 27, 43-54.	8.2	81
25	Ontology-Centered Knowledge Management Using Information Retrieval Techniques. Journal of Computing in Civil Engineering, 2006, 20, 261-270.	2.5	78
26	An evolutionary and interpretive perspective to knowledge management. Journal of Knowledge Management, 2008, 12, 17-34.	3.2	75
27	Critical review of existing built environment resilience frameworks: Directions for future research. International Journal of Disaster Risk Reduction, 2017, 25, 173-189.	1.8	74
28	Integrating building and urban semantics to empower smart waterÂsolutions. Automation in Construction, 2017, 81, 434-448.	4.8	72
29	Upscaling energy control from building to districts: Current limitations and future perspectives. Sustainable Cities and Society, 2017, 35, 816-829.	5.1	72
30	BIM Based Virtual Environment for Fire Emergency Evacuation. Scientific World Journal, The, 2014, 2014, 1-22.	0.8	71
31	An ontology framework for intelligent sensor-based building monitoring. Automation in Construction, 2012, 28, 1-14.	4.8	70
32	Delphi-based consensus study into a framework of community resilience to disaster. Natural Hazards, 2015, 75, 2221-2245.	1.6	70
33	Usability evaluation of a web-based tool for supporting holistic building energy management. Automation in Construction, 2017, 84, 154-165.	4.8	70
34	Exploring virtual team-working effectiveness in the construction sector. Interacting With Computers, 2007, 19, 96-112.	1.0	69
35	Knowledge systems and value creation. Industrial Management and Data Systems, 2007, 107, 166-182.	2.2	68
36	Requirements for cloud-based BIM governance solutions to facilitate team collaboration in construction projects. Requirements Engineering, 2018, 23, 1-31.	2.1	67

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37	Past, present and future of information and knowledge sharing in the construction industry: Towards semantic service-based e-construction?. CAD Computer Aided Design, 2011, 43, 502-515.	1.4	66
38	Optimizing Energy Efficiency in Operating Built Environment Assets through Building Information Modeling: A Case Study. Energies, 2017, 10, 1167.	1.6	62
39	High throughput computing based distributed genetic algorithm for building energy consumption optimization. Energy and Buildings, 2014, 76, 92-101.	3.1	61
40	Domestic energy consumption patterns in a hot and humid climate: A multiple-case study analysis. Applied Energy, 2014, 114, 353-365.	5.1	61
41	A conceptual framework to support solar PV simulation using an open-BIM data exchange standard. Automation in Construction, 2014, 37, 166-181.	4.8	61
42	Computer integrated construction: A review and proposals for future direction. Advances in Engineering Software, 2007, 38, 677-687.	1.8	59
43	An investigation into recent proposals for a revised definition of zero carbon homes in the UK. Energy Policy, 2012, 46, 25-35.	4.2	58
44	Critique of existing business process reâ€engineering methodologies. Business Process Management Journal, 2000, 6, 238-250.	2.4	54
45	Neural network-based model predictive control system for optimizing building automation and management systems of sports facilities. Applied Energy, 2022, 318, 119153.	5.1	53
46	Organisational learning and innovation in the construction industry. Learning Organization, 2000, 7, 174-184.	0.7	51
47	Review of information and the state of the art of knowledge management practices in the construction industry. Knowledge Engineering Review, 2001, 16, 241-254.	2.1	51
48	Text-based domain ontology building using Tf-Idf and metric clusters techniques. Knowledge Engineering Review, 2007, 22, 379-403.	2.1	51
49	Performance and energy optimization of building automation and management systems: Towards smart sustainable carbon-neutral sports facilities. Renewable and Sustainable Energy Reviews, 2022, 162, 112401.	8.2	48
50	Optimization of Potable Water Distribution and Wastewater Collection Networks: A Systematic Review and Future Research Directions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 659-681.	5.9	46
51	An ANN-GA Semantic Rule-Based System to Reduce the Gap Between Predicted and Actual Energy Consumption in Buildings. IEEE Transactions on Automation Science and Engineering, 2017, 14, 1351-1363.	3.4	45
52	Information Management in a Collaborative Multiactor Environment: The COMMIT Approach. Journal of Computing in Civil Engineering, 1998, 12, 136-144.	2.5	44
53	Exploring the Potential of SME Alliances in the Construction Sector. Journal of Construction Engineering and Management - ASCE, 2010, 136, 558-567.	2.0	44
54	Value creation: the future of knowledge management. Knowledge Engineering Review, 2008, 23, 283-294.	2.1	43

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55	A modular optimisation model for reducing energy consumption in large scale building facilities. Renewable and Sustainable Energy Reviews, 2014, 38, 990-1002.	8.2	40
56	Public perception of the risk of disasters in a developing economy: the case of Saudi Arabia. Natural Hazards, 2013, 65, 1813-1830.	1.6	39
57	Value creating construction virtual teams: A case study in the construction sector. Automation in Construction, 2010, 19, 142-147.	4.8	37
58	Towards the adoption of automated regulatory compliance checking in the built environment. Automation in Construction, 2020, 118, 103285.	4.8	37
59	Ontology-based approach for structural design considering low embodied energy and carbon. Energy and Buildings, 2015, 102, 75-90.	3.1	36
60	Management of Collaborative BIM Data by Federating Distributed BIM Models. Journal of Computing in Civil Engineering, 2017, 31, .	2.5	36
61	The application of life cycle assessment in buildings: challenges, and directions for future research. International Journal of Life Cycle Assessment, 2022, 27, 627-654.	2.2	36
62	A proposed method for generating high resolution current and future climate data for Passivhaus design. Energy and Buildings, 2012, 55, 481-493.	3.1	34
63	Smart Grid Futures: Perspectives on the Integration of Energy and ICT Services. Energy Procedia, 2015, 75, 1132-1137.	1.8	34
64	Role-based service-oriented implementation of a virtual enterprise: A case study in the construction sector. Computers in Industry, 2007, 58, 74-86.	5.7	33
65	The development of sustainable assessment method for Saudi Arabia built environment: weighting system. Sustainability Science, 2015, 10, 167-178.	2.5	33
66	Cloud computing for the architecture, engineering & construction sector: requirements, prototype & experience. Journal of Cloud Computing: Advances, Systems and Applications, 2013, 2, 8.	2.1	31
67	Domestic energy consumption patterns in a hot and arid climate: AÂmultiple-case study analysis. Renewable Energy, 2014, 62, 369-378.	4.3	31
68	A document management methodology based on similarity contents. Information Sciences, 2004, 158, 15-36.	4.0	30
69	Intra- and Interorganizational Knowledge Services to Promote Informed Sustainability Practices. Journal of Computing in Civil Engineering, 2007, 21, 78-89.	2.5	30
70	Urban-scale framework for assessing the resilience of buildings informed by a delphi expert consultation. International Journal of Disaster Risk Reduction, 2019, 36, 101079.	1.8	30
71	An investigation into factors influencing domestic energy consumption in an energy subsidized developing economy. Habitat International, 2015, 47, 41-51.	2.3	29
72	Cloud-Based BIM Governance Platform Requirements and Specifications: Software Engineering Approach Using BPMN and UML. Journal of Computing in Civil Engineering, 2016, 30, .	2.5	29

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73	Holistic modelling techniques for the operational optimisation of multi-vector energy systems. Energy and Buildings, 2018, 169, 397-416.	3.1	29
74	A proposed model for sustainable urban planning development for environmentally friendly communities. Architectural Engineering and Design Management, 2013, 9, 176-194.	1.2	28
75	Cybersecurity for digital twins in the built environment: current research and future directions. Journal of Information Technology in Construction, 2021, 26, 159-173.	1.4	28
76	The UDSA ontology: An ontology to support real time urban sustainability assessment. Advances in Engineering Software, 2020, 140, 102731.	1.8	25
77	Development of an adaptation table to enhance the accuracy of the predicted mean vote model. Building and Environment, 2020, 168, 106504.	3.0	25
78	Establishing domestic low energy consumption reference levels for Saudi Arabia and the Wider Middle Eastern Region. Sustainable Cities and Society, 2017, 28, 265-276.	5.1	23
79	A Smart Forecasting Approach to District Energy Management. Energies, 2017, 10, 1073.	1.6	22
80	Engaging construction stakeholders with sustainability through a knowledge harvesting platform. Computers in Industry, 2014, 65, 449-469.	5.7	21
81	Coordinating multi-site construction projects using federated clouds. Automation in Construction, 2017, 83, 273-284.	4.8	21
82	Automated Model Construction for Combined Sewer Overflow Prediction Based on Efficient LASSO Algorithm. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1254-1269.	5.9	21
83	Promoting Energy Efficiency in the Built Environment through Adapted BIM Training and Education. Energies, 2020, 13, 2308.	1.6	21
84	Decarbonisation of seaports: A review and directions for future research. Energy Strategy Reviews, 2021, 38, 100727.	3.3	21
85	Planning innovation orientation in public research and development organizations: Using a combined Delphi and Analytic Hierarchy Process approach. Technological Forecasting and Social Change, 2014, 87, 245-256.	6.2	20
86	Deep Highway Networks and Tree-Based Ensemble for Predicting Short-Term Building Energy Consumption. Energies, 2018, 11, 3408.	1.6	20
87	Towards intelligent agent based software for building related decision support. Advanced Engineering Informatics, 2011, 25, 311-329.	4.0	19
88	ICT adoption and diffusion in the construction industry of a developing economy: The case of the sultanate of Oman. Architectural Engineering and Design Management, 2013, 9, 62-75.	1.2	19
89	BARRIERS TO CONSTRUCTION INDUSTRY STAKEHOLDERSâ€™ ENGAGEMENT WITH SUSTAINABILITY: TOWARD A SHARED KNOWLEDGE EXPERIENCE. Technological and Economic Development of Economy, 2013, 19, 289-309.	2.3	19
90	Water utility decision support through the semantic web of things. Environmental Modelling and Software, 2018, 102, 94-114.	1.9	19

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91	Ontology-driven development of web services to support district energy applications. Automation in Construction, 2018, 86, 210-225.	4.8	19
92	User Centered Neuro-Fuzzy Energy Management Through Semantic-Based Optimization. IEEE Transactions on Cybernetics, 2019, 49, 3278-3292.	6.2	18
93	Federating Smart Cluster Energy Grids for Peer-to-Peer Energy Sharing and Trading. IEEE Access, 2020, 8, 102419-102435.	2.6	18
94	Developing Smart Energy Communities around Fishery Ports: Toward Zero-Carbon Fishery Ports. Energies, 2020, 13, 2779.	1.6	18
95	Adoption and Diffusion of m-Government: Challenges and Future Directions for Research. International Federation for Information Processing, 2010, , 88-94.	0.4	17
96	Harvesting and Managing Knowledge in Construction. , 0, , .		17
97	An information management model for concurrent construction engineering. Automation in Construction, 1996, 5, 343-355.	4.8	16
98	Categorization of malicious behaviors using ontology-based cognitive agents. Data and Knowledge Engineering, 2013, 85, 40-56.	2.1	16
99	A novel concept to measure envelope thermal transmittance and air infiltration using a combined simulation and experimental approach. Energy and Buildings, 2017, 140, 380-387.	3.1	16
100	Predictive assembling model reveals the self-adaptive elastic properties of lamellipodial actin networks for cell migration. Communications Biology, 2020, 3, 616.	2.0	16
101	Knowledge informed decision making in the building lifecycle: An application to the design of a water drainage system. Automation in Construction, 2007, 16, 596-606.	4.8	15
102	Towards the innovation of an integrated â€˜One-Stop-Shopâ€™ online services utility management: Exploring customerâ€™ technology acceptance. Sustainable Cities and Society, 2017, 34, 126-143.	5.1	15
103	Building information modelling knowledge harvesting for energy efficiency in the Construction industry. Clean Technologies and Environmental Policy, 2021, 23, 1215-1231.	2.1	15
104	A modified fuzzy clustering for documents retrieval: application to document categorization. Journal of the Operational Research Society, 2009, 60, 384-394.	2.1	14
105	Trust modelling and analysis in peer-to-peer clouds. International Journal of Cloud Computing, 2012, 1, 221.	0.3	14
106	Governance Model for Cloud Computing in Building Information Management. IEEE Transactions on Services Computing, 2015, 8, 314-327.	3.2	13
107	Public perceptions and attitudes to biological risks: Saudi Arabia and regional perspectives. Disasters, 2016, 40, 799-815.	1.1	13
108	An intelligent semantic system for real-time demand response management of a thermal grid. Sustainable Cities and Society, 2020, 52, 101857.	5.1	13

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109	The Condor business process reâ€engineering model. Managerial Auditing Journal, 2000, 15, 42-46.	1.4	12
110	A HPC based cloud model for real-time energy optimisation. Enterprise Information Systems, 2016, 10, 108-128.	3.3	12
111	Risk Assessment in Service Provider Communities. Lecture Notes in Computer Science, 2012, , 135-147.	1.0	12
112	Machine learning and Natural Language Processing of social media data for event detection in smart cities. Sustainable Cities and Society, 2022, 85, 104026.	5.1	12
113	The role of evaluation in business process re-engineering: two case studies in the construction industry. Knowledge and Process Management, 2000, 7, 207-216.	2.9	11
114	Cloud Supported Building Data Analytics. , 2014, , .		11
115	A semantic service-oriented platform for energy efficient buildings. Clean Technologies and Environmental Policy, 2015, 17, 721-734.	2.1	11
116	Federating information portals through an ontology-centred approach: A feasibility study. Advanced Engineering Informatics, 2010, 24, 340-354.	4.0	10
117	Analysis and simulation of smart energy clusters and energy value chain for fish processing industries. Energy Reports, 2020, 6, 534-540.	2.5	10
118	A Web Services Implementation of a User-Centered Knowledge Management Platform for the Construction Industry. International Journal of Intelligent Information Technologies, 2005, 1, 1-19.	0.5	9
119	A systematic mixed-integer differential evolution approach for water network operational optimization. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2018, 474, 20170879.	1.0	9
120	Edge-Cloud Orchestration: Strategies for Service Placement and Enactment. , 2019, , .		9
121	Auxetic interpenetrating composites: A new approach to non-porous materials with a negative or zero Poissonâ€™s ratio. Composite Structures, 2020, 243, 112195.	3.1	9
122	Virtual Team Working: Current Issues and Directions for the Future. International Federation for Information Processing, 2008, , 351-360.	0.4	9
123	Socio-Organizational Issues. , 2005, , 187-198.		8
124	From Knowledge Sharing to Value Creation: Three Generations of Knowledge Management. , 2006, , .		8
125	A Comparative Study of Information Security Awareness in Higher Education Based on the Concept of Design Theorizing. , 2009, , .		8
126	Risk assessment in service provider communities. Future Generation Computer Systems, 2014, 41, 32-43.	4.9	8

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127	Consensus-based low carbon domestic design framework for sustainable homes. Renewable and Sustainable Energy Reviews, 2015, 51, 417-432.	8.2	8
128	Efficient least angle regression for identification of linear-in-the-parameters models. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2017, 473, 20160775.	1.0	8
129	Leveraging BIM and Blockchain for Digital Twins. , 2021, , .		8
130	A case-based approach to construction process activity specification. , 0, , .		7
131	Architecture to support semantic resources interoperability. , 2005, , .		7
132	Evaluating Trust in Peer-to-Peer Service Provider Communities. , 2011, , .		7
133	Exploring the Need for a BIM Governance Model: UK Construction Practitioners' Perceptions. , 2014, , .		7
134	AN INTEGRATED FRAMEWORK UTILISING SOFTWARE AGENT REASONING AND ONTOLOGY MODELS FOR SENSOR BASED BUILDING MONITORING. Journal of Civil Engineering and Management, 2015, 21, 356-375.	1.9	7
135	Performance analysis of multi-institutional data sharing in the Clouds4Coordination system. Computers and Electrical Engineering, 2017, 58, 227-240.	3.0	7
136	An Intelligent Analytics System for Real-Time Catchment Regulation and Water Management. IEEE Transactions on Industrial Informatics, 2018, 14, 3970-3981.	7.2	7
137	Edge HVAC Analytics. Energies, 2021, 14, 5464.	1.6	7
138	Editorial for special issue: Cloud computing and distributed data management in the AEC â€“ Architecture, Engineering and Construction industry. Advanced Engineering Informatics, 2013, 27, 158-159.	4.0	6
139	Social media mining for BIM skills and roles for energy efficiency. , 2019, , .		6
140	Robust requirements gathering for ontologies in smart water systems. Requirements Engineering, 2021, 26, 97-114.	2.1	6
141	Autonomous Malicious Activity Inspector â€“ AMAI. Lecture Notes in Computer Science, 2010, , 204-215.	1.0	6
142	Activity Awareness as an Enabler for Communication and Network Building in Construction Design Teams. Journal of Computing in Civil Engineering, 2010, 24, 430-440.	2.5	5
143	Perceiving societal value as the core of innovation management in public research and development organizations. , 2010, , .		5
144	In-Transit Data Analysis and Distribution in a Multi-cloud Environment Using CometCloud. , 2014, , .		5

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145	Energy Consumption Patterns for Domestic Buildings in Hot Climates Using Saudi Arabia as Case Study Field: Multiple Case Study Analyses. , 2014, , .		5
146	Using Material and Energy Flow Analysis to Estimate Future Energy Demand at the City Level. Energy Procedia, 2017, 115, 440-450.	1.8	5
147	A simplified geo-cluster definition for energy system planning in Europe. Energy Procedia, 2019, 158, 3222-3227.	1.8	5
148	Shear walls optimization in a reinforced concrete framed building for seismic risk reduction. Journal of Building Engineering, 2022, 54, 104620.	1.6	5
149	Dynamic simulation of heat losses in a district heating system: A case study in Wales. , 2016, , .		4
150	Modelling and implementing smart micro-grids for fish-processing industry. , 2019, , .		4
151	Public Perception of Vernacular Architecture in the Arabian Peninsula: The Case of Rawshan. Buildings, 2020, 10, 151.	1.4	4
152	Exploring the Influence of Collectiveness on Value Creation Adoption in an Information Technology Organization. International Federation for Information Processing, 2008, , 139-157.	0.4	4
153	The near-isotropic elastic properties of interpenetrating composites reinforced by regular fibre-networks. Materials and Design, 2022, 221, 110923.	3.3	4
154	Present and Future of European Research on Information Technologies in Construction. , 2003, , 1.		3
155	Transforming SME strategies via innovative transient knowledge-based alliances in the construction sector. , 2009, , .		3
156	IT Leadership in Higher Education: The CIO Candidate. IT Professional, 2011, 13, 52-56.	1.4	3
157	Developing an ISDM Adoption Decision Model Using Delphi and AHP. Arabian Journal for Science and Engineering, 2014, 39, 2799-2815.	1.1	3
158	Knowledge-Based Holistic Energy Management of Public Buildings. , 2014, , .		3
159	Water Analytics and Intelligent Sensing for Demand Optimised Management: The WISDOM Vision and Approach. Procedia Engineering, 2014, 89, 1050-1057.	1.2	3
160	A Service Infrastructure to Support Ubiquitous Engineering Practices. , 2007, , 627-636.		3
161	Promoting Sustainability Awareness through Energy Engaged Virtual Communities of Construction Stakeholders. International Federation for Information Processing, 2010, , 142-148.	0.4	3
162	Community resilience factors to disaster in Saudi Arabia: the case of Makkah Province. WIT Transactions on the Built Environment, 2013, , .	0.0	3

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163	An Analytical Optimization Model for Holistic Multiobjective District Energy Management - A Case Study Approach. International Journal of Modeling and Optimization, 2016, 6, 156-165.	0.4	3
164	A Concept Based Indexing Approach for Document Clustering. , 2008, , .		2
165	Towards a synchronized semantic model to support aspects of building management. , 2009, , .		2
166	Software agent reasoning supporting non-intrusive building space usage monitoring. Computers in Industry, 2013, 64, 678-693.	5.7	2
167	Web-based 3D urban decision support through intelligent and interoperable services. , 2016, , .		2
168	Preserving prosumer privacy in a district level smart grid. , 2016, , .		2
169	A smart heating set point scheduler using an artificial neural network and genetic algorithm. , 2017, , .		2
170	Multi-objective consideration of earthquake resilience in the built environment: The case of Wenchuan earthquake. , 2017, , .		2
171	Ensemble-Based Network Edge Processing. , 2018, , .		2
172	District Heating Energy Generation Optimisation Considering Thermal Storage. , 2018, , .		2
173	An ANN-Based Energy Forecasting Framework for the District Level Smart Grids. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2017, , 107-117.	0.2	2
174	Semantic Resources Integration and Interoperability in the Construction Domain. Lecture Notes in Business Information Processing, 2008, , 336-347.	0.8	2
175	BIM for Energy Efficiency Training Requirements in the Context of a Developing Country: The Case of Saudi Arabia. , 2021, , .		2
176	A proposed roadmap for delivering zero carbon fishery ports. Energy Reports, 2022, 8, 82-88.	2.5	2
177	A Review of Thai Knowledge Management Practices: An Empirical Study. , 2006, , .		1
178	A New Conceptual Approach to Document Indexing. , 2009, , .		1
179	Hidden parts in the history of the school library in Kuwait. Library Review, 2010, 59, 401-413.	1.5	1
180	Sustainable Construction Ontology Development Using Information Retrieval Techniques. , 2011, , .		1

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181	Using Delphi and AHP in Information Systems Development Methodologies. , 2012, , .		1
182	Nurturing Virtual Collaborative Networks into Urban Resilience for Seismic Hazards Mitigation. IFIP Advances in Information and Communication Technology, 2018, , 132-143.	0.5	1
183	Achieving Smart Water Network Management Through Semantically Driven Cognitive Systems. IFIP Advances in Information and Communication Technology, 2018, , 478-485.	0.5	1
184	Integrated Framework to Manage Buildingâ€™s Sustainability Efficiency, Design Features and Building Envelope. IFIP Advances in Information and Communication Technology, 2018, , 650-660.	0.5	1
185	Rawshan: Environmental Impact of a Vernacular Shading Building Element in Hot Humid Climates. , 2019, , .		1
186	Knowledge Value Creation Characteristics of Virtual Teams: A Case Study in the Construction Sector. IFIP Advances in Information and Communication Technology, 2009, , 157-167.	0.5	1
187	A Socio-technical Approach for Transient SME Alliances. IFIP Advances in Information and Communication Technology, 2009, , 603-613.	0.5	1
188	Assessing Value-Based Plans in Public R&D Using the Analytic Hierarchy Process. International Federation for Information Processing, 2012, , 310-317.	0.4	1
189	Distributed Multi-Cloud Based Building Data Analytics. Advances in Systems Analysis, Software Engineering, and High Performance Computing Book Series, 2016, , 143-169.	0.5	1
190	Use-case analysis for assessing the role of Building Information Modeling in energy efficiency. , 2018, , 31-38.		1
191	Agent-Based Appliance Scheduling for Energy Management in Industry 4.0. Lecture Notes in Computer Science, 2019, , 199-207.	1.0	1
192	Digitalising Risk of Fire Resilience for UK buildings. , 2021, , .		1
193	Optimal control-based price strategies for smart fishery ports micro-grids. , 2021, , .		1
194	Exploring Ontology Adoption and Diffusion in the Construction Virtual Enterprise. International Federation for Information Processing, 2008, , 253-262.	0.4	1
195	Interoperable Knowledge: Achievements and Future Challenges. , 2009, , 171-191.		0
196	ISDM adoption using Delphi and AHP. , 2012, , .		0
197	An ICT framework for coupling renewables and energy storage in low carbon districts and cities. , 2013, , .		0
198	The Process of Adapting a Sustainable Building Assessment Method Worldwide: SEAM, A Case Study. , 2014, , .		0

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199	A Novel Fast Optimisation Algorithm Using Differential Evolution Algorithm Optimisation and Meta-Modelling Approach. Studies in Computational Intelligence, 2016, , 177-193.	0.7	0
200	Moving from targeted acquisition to urban area modelling â€" increasing the scale of point cloud processing. , 2017, , .		0
201	Impact of Next Generation District Heating Systems on Distribution Network Heat Losses: A Case Study Approach. IOP Conference Series: Materials Science and Engineering, 2018, 301, 012123.	0.3	0
202	Cognitive Based Decision Support for Water Management and Catchment Regulation. IFIP Advances in Information and Communication Technology, 2018, , 467-477.	0.5	0
203	Collaborative Network for District Energy Operation and Semantic Technologies: A Case Study. IFIP Advances in Information and Communication Technology, 2018, , 486-495.	0.5	0
204	A Real-Time Energy Management Platform for Multi-vector District Energy Systems. IFIP Advances in Information and Communication Technology, 2018, , 560-568.	0.5	0
205	Structural Behavior Analysis and Optimization, Integrating MATLAB with Autodesk Robot. , 2019, , 379-386.		0
206	A Prediction Accuracy Weighted Voting Ensemble Method for Thermal Sensation Evaluation. Sustainable Development Goals Series, 2021, , 249-267.	0.2	0
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