A query expansion method for retrieving online BIM resources based on Industry Foundation Classes

Citation Report

#	Article	IF	Citations
1	WebVis_BIM. , 2015, , .		6
2	A BIM and ontology-based intelligent application framework. , 2016, , .		3
3	Concepts Expansion in Materials Domain Based on Ontology Matching Results. , 2016, , .		0
4	Ontology-assisted provenance visualization for supporting enterprise search of engineering and business files. Advanced Engineering Informatics, 2016, 30, 244-257.	8.0	10
5	MMOY: Towards deriving a metallic materials ontology from Yago. Advanced Engineering Informatics, 2016, 30, 687-702.	8.0	15
6	Lightweighting for Web3D visualization of large-scale BIM scenes in real-time. Graphical Models, 2016, 88, 40-56.	2.4	54
7	EXPRESS to OWL for construction industry: Towards a recommendable and usable ifcOWL ontology. Automation in Construction, 2016, 63, 100-133.	9.8	262
8	Coincidence condition of two Bézier curves of an arbitrary degree. Computers and Graphics, 2016, 54, 121-126.	2.5	7
9	BIMTag: Concept-based automatic semantic annotation of online BIM product resources. Advanced Engineering Informatics, 2017, 31, 48-61.	8.0	43
10	Retrieving similar cases for construction project risk management using Natural Language Processing techniques. Automation in Construction, 2017, 80, 66-76.	9.8	104
11	Information Model Purposes in Building and Facility Design. Journal of Computing in Civil Engineering, 2017, 31, .	4.7	11
12	EVOLUTION IN THE INTELLECTUAL STRUCTURE OF BIM RESEARCH: A BIBLIOMETRIC ANALYSIS. Journal of Civil Engineering and Management, 2017, 23, 1060-1081.	3.5	106
13	Enhanced Explicit Semantic Analysis for Product Model Retrieval in Construction Industry. IEEE Transactions on Industrial Informatics, 2017, 13, 3361-3369.	11.3	19
14	A scientometric review of global research on sustainability and sustainable development. Journal of Cleaner Production, 2018, 183, 231-250.	9.3	503
15	IFCdiff: A content-based automatic comparison approach for IFC files. Automation in Construction, 2018, 86, 53-68.	9.8	27
16	Utilizing IFC for shield segment assembly in underground tunneling. Automation in Construction, 2018, 93, 178-191.	9.8	39
17	Dynamically loading IFC models on a web browser based on spatial semantic partitioning. Visual Computing for Industry, Biomedicine, and Art, 2019, 2, 4.	3.7	3
18	Developing base domain ontology from a reference collection to aid information retrieval. Automation in Construction, 2019, 100, 180-189.	9.8	13

#	ARTICLE	IF	CITATIONS
19	Development of Automatic-Extraction Model of Poisonous Clauses in International Construction Contracts Using Rule-Based NLP. Journal of Computing in Civil Engineering, 2019, 33, .	4.7	83
20	Integrating BIM with building performance analysis in project life-cycle. Automation in Construction, 2019, 106, 102861.	9.8	57
21	Natural-language-based intelligent retrieval engine for BIM object database. Computers in Industry, 2019, 108, 73-88.	9.9	53
22	Work package-based information modeling for resource-constrained scheduling of construction projects. Automation in Construction, 2020, 109, 102958.	9.8	44
23	Modeling and data infrastructure for human-centric design and operation of sustainable, healthy buildings through a case study. Building and Environment, 2020, 170, 106518.	6.9	18
24	Combining IFC and 3D tiles to create 3D visualization for building information modeling. Automation in Construction, 2020, 109, 102995.	9.8	43
25	Ontology-based solutions for interoperability among product lifecycle management systems: A systematic literature review. Journal of Industrial Information Integration, 2020, 20, 100176.	6.4	23
26	A review of integrated applications of BIM and related technologies in whole building life cycle. Engineering, Construction and Architectural Management, 2020, 27, 1647-1677.	3.1	47
27	A query-based framework to improve BIM multi-domain collaboration. Enterprise Information Systems, 2021, 15, 1395-1417.	4.7	4
28	BOT: The building topology ontology of the W3C linked building data group. Semantic Web, 2020, 12, 143-161.	1.9	88
29	Point Cloud Completion by Skip-Attention Network With Hierarchical Folding. , 2020, , .		146
30	Key Parameters Featuring BIM-LCA Integration in Buildings: A Practical Review of the Current Trends. Sustainability, 2020, 12, 7182.	3.2	26
31	Building information modeling–based cyber-physical platform for building performance monitoring. International Journal of Distributed Sensor Networks, 2020, 16, 155014772090817.	2.2	23
32	HQEBSKG: Hybrid Query Expansion Based on Semantic Knowledgebase and Grouping. IETE Journal of Research, 2022, 68, 3750-3765.	2.6	3
33	LRC-Net: Learning discriminative features on point clouds by encoding local region contexts. Computer Aided Geometric Design, 2020, 79, 101859.	1.2	19
34	BIMSeek++: Retrieving BIM components using similarity measurement of attributes. Computers in Industry, 2020, 116, 103186.	9.9	19
35	Towards Future BIM Technology Innovations: A Bibliometric Analysis of the Literature. Applied Sciences (Switzerland), 2021, 11, 1232.	2.5	38
36	A semantic common model for product data in the water industry. Journal of Information Technology in Construction, 2021, 26, 566-590.	2.1	3

#	Article	IF	Citations
37	Multi-scale Information Retrieval for BIM using Hierarchical Structure Modelling and Natural Language Processing. Journal of Information Technology in Construction, 2021, 26, 409-426.	2.1	8
38	Bibliometric analysis of Building Information Modeling, Geographic Information Systems and Web environment integration. Automation in Construction, 2021, 128, 103757.	9.8	27
39	BIMASR: Framework for Voice-Based BIM Information Retrieval. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	3.8	15
40	Semantic framework for interdependent infrastructure resilience decision support. Automation in Construction, 2021, 130, 103852.	9.8	10
41	CRITICAL REVIEW OF THE INTEGRATION OF BIM TO SEMANTIC WEB TECHNOLOGY. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-4, 233-240.	0.2	3
42	EXTENDED MAPTREE: A REPRESENTATION OF FINE-GRAINED TOPOLOGY AND SPATIAL HIERARCHY OF BIM. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-2/W7, 409-415.	0.2	3
43	A mapping method between EXPRESS and OWL based on text similarity analysis. , 2021, , .		1
44	Metadata Driven Semantically Aware Medical Query Expansion. Communications in Computer and Information Science, 2021, , 223-233.	0.5	23
46	Artificial intelligence-based voice assistant for BIM data management. Automation in Construction, 2022, 140, 104320.	9.8	18
47	Analyzing the Level of Detail of Construction Schedule for Enabling Site Logistics Planning (SLP) in the Building Information Modeling (BIM) Environment. Sustainability, 2022, 14, 6701.	3.2	3
48	A Lightweight Network for Point Cloud Analysis via the Fusion of Local Features and Distribution Characteristics. Sensors, 2022, 22, 4742.	3.8	1
49	Extending IFC for multi-component subgrade modeling in a railway station. Automation in Construction, 2022, 141, 104433.	9.8	9
50	Intelligent question and answer system for building information modeling and artificial intelligence of things based on the bidirectional encoder representations from transformers model. Automation in Construction, 2022, 142, 104483.	9.8	12
51	BIM-based design decisions documentation using design episodes, explanation tags, and constraints. Journal of Information Technology in Construction, 2022, 27, 756-780.	2.1	3
52	Semantic Web Technologies for Indoor Environmental Quality: A Review and Ontology Design. Buildings, 2022, 12, 1522.	3.1	6
53	An Enhanced Information Retrieval Method Based on Ontology for Bridge Inspection. Applied Sciences (Switzerland), 2022, 12, 10599.	2.5	1
54	BIM and ontology-based knowledge management for dam safety monitoring. Automation in Construction, 2023, 145, 104649.	9.8	10
55	Conversational artificial intelligence in the AEC industry: A review of present status, challenges and opportunities. Advanced Engineering Informatics, 2023, 55, 101869.	8.0	24

#	ARTICLE	IF	CITATIONS
56	How typical is your project? The need for a no-model approach for information management in AEC. Journal of Information Technology in Construction, 2023, 28, 19-38.	2.1	0
57	Leveraging Natural Language Processing for Automated Information Inquiry from Building Information Models. Journal of Information Technology in Construction, 2023, 28, 266-285.	2.1	0
58	BIM and IoT data fusion: The data process model perspective. Automation in Construction, 2023, 149, 104792.	9.8	15
59	Dynamic integration of unstructured data with BIM using a no-model approach based on machine learning and concept networks. Automation in Construction, 2023, 150, 104859.	9.8	3
60	Building Information Modeling Execution Drivers for Sustainable Building Developments. Sustainability, 2023, 15, 3445.	3.2	6
61	BIM product recommendation for intelligent design using style learning. Journal of Building Engineering, 2023, 73, 106701.	3.4	4
62	An ontology-aided, natural language-based approach for multi-constraint BIM model querying. Journal of Building Engineering, 2023, 76, 107066.	3.4	3
64	BIM Search Engine: Effects of Object Relationships and Information Standards. Buildings, 2023, 13, 1591.	3.1	1
65	Investigating building information modelling (BIM) and lean construction: the potential BIM-lean interactions synergy and integration in the Jordanian construction industry. International Journal of Lean Six Sigma, 2024, 15, 400-438.	3.3	0
66	Dynamic prompt-based virtual assistant framework for BIM information search. Automation in Construction, 2023, 155, 105067.	9.8	4
67	Innovative Approach to Convert Geographic Information System-Based Highway Models into Multidimensional Building Information Modeling Platforms Using Dynamo. Transportation Research Record, 0, , .	1.9	0
68	BIM Library Transplant: Bridging Human Expertise and Artificial Intelligence for Customized Design Detailing. Journal of Computing in Civil Engineering, 2024, 38, .	4.7	0
69	A Hierarchical Model Loading Strategy in WebBIM Scene Based on Cloud-Edge-Terminal Collaborative Architecture. , 2023, , .		0
70	Recent Technological Advancements in BIM and LCA Integration for Sustainable Construction: A Review. Sustainability, 2024, 16, 1340.	3.2	0
71	Interlinking BIM and GIS data for a semantic pedestrian network and applications in high-density cities. Developments in the Built Environment, 2024, 17, 100367.	4.0	0
72	An Artificial Intelligence-Based Framework for Automated Information Inquiry from Building Information Models Using Natural Language Processing and Ontology. , 2024, , .		0