

Sylvain Kubicki

List of Publications by Year in descending order

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52
papers

1,041
citations

932766

10
h-index

552369

26
g-index

53
all docs

53
docs citations

53
times ranked

729
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a semantic Construction Digital Twin: Directions for future research. Automation in Construction, 2020, 114, 103179.	4.8	491
2	Review of building energy performance certification schemes towards future improvement. Renewable and Sustainable Energy Reviews, 2019, 113, 109244.	8.2	141
3	Optimizing Energy Efficiency in Operating Built Environment Assets through Building Information Modeling: A Case Study. Energies, 2017, 10, 1167.	1.6	62
4	Designing adapted visualization for collaborative 4D applications. Automation in Construction, 2013, 36, 152-167.	4.8	47
5	The Challenge of Level of Development in 4D/BIM Simulation Across AEC Project Lifecycle. A Case Study. Procedia Engineering, 2015, 123, 59-67.	1.2	45
6	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
7	Assessment of synchronous interactive devices for BIM project coordination: Prospective ergonomics approach. Automation in Construction, 2019, 101, 160-178.	4.8	29
8	Development of an adaptation table to enhance the accuracy of the predicted mean vote model. Building and Environment, 2020, 168, 106504.	3.0	25
9	Promoting Energy Efficiency in the Built Environment through Adapted BIM Training and Education. Energies, 2020, 13, 2308.	1.6	21
10	BIM-enhanced collaborative smart technologies for LEAN construction processes. , 2017, , .		18
11	An intelligent semantic system for real-time demand response management of a thermal grid. Sustainable Cities and Society, 2020, 52, 101857.	5.1	13
12	IT Barometer Survey in Luxembourg: First Results to Understand IT Innovation in Construction Sector. , 2014, , .		9
13	Challenges of Big Data in the Age of Building Information Modeling: A High-Level Conceptual Pipeline. Lecture Notes in Computer Science, 2015, , 48-56.	1.0	9
14	Towards a Sustainable Services Innovation in the Construction Sector. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2009, , 319-333.	0.2	9
15	Method to Design Coordinated Multiple Views Adapted to User's Business Requirements in 4D Collaborative Tools in AEC. , 2011, , .		8
16	Multi-visualization of the Cooperative Context in Building Construction Activity A Model-Based Approach to design AEC-specific Visualization Interfaces. Proceedings / International Conference on Information Visualisation, 2007, , .	0.0	7
17	Social media mining for BIM skills and roles for energy efficiency. , 2019, , .		6
18	From Collaborative Business Practices to User's Adapted Visualization Services: Towards a Usage-Centered Method Dedicated to the AEC Sector. Lecture Notes in Computer Science, 2011, , 145-153.	1.0	6

#	ARTICLE	IF	CITATIONS
19	A Metamodel to Describe nD CAD Visualization as Coordinated Multiple Views. Lecture Notes in Computer Science, 2012, , 219-226.	1.0	6
20	Data-driven development in the smart city: Generative design for refugee camps in Luxembourg. Entrepreneurship and Sustainability Issues, 2017, 4, 364-379.	0.4	6
21	Semantics for linking data from 4D BIM to digital collaborative support. Frontiers of Engineering Management, 2020, , 1.	3.3	5
22	IT Services Design to Support Coordination Practices in the Luxembourgish AEC Sector. Lecture Notes in Computer Science, 2007, , 396-403.	1.0	4
23	Viewpoints Reconciliation in Services Design: A Model-Driven Approach for Highly Collaborative Environments. Lecture Notes in Business Information Processing, 2010, , 62-68.	0.8	4
24	Trust-Oriented Multi-visualization of Cooperation Context. , 2009, , .		3
25	A Goal-Based Business Service Selection Approach. , 2011, , .		3
26	A Model-Based Method for the Design of Services in Collaborative Business Environments. Lecture Notes in Business Information Processing, 2011, , 68-82.	0.8	3
27	Ontology Assisted Collaboration Sessions on 4D BIM. , 2019, , .		3
28	Toward a Trust-Based Construction Management. Computer-Aided Civil and Infrastructure Engineering, 2010, 25, 253-268.	6.3	2
29	An Automatic Requirements Negotiation Approach for Business Services. , 2011, , .		2
30	Goal-based business service composition. Service Oriented Computing and Applications, 2013, 7, 231-257.	1.3	2
31	Technologies in the planning of refugees' camps: A parametric participative framework for spatial camp planning. , 2017, , .		2
32	Architecture dirigée par les modèles pour une représentation multi-vues du contexte de coopération. , 2005, , .		1
33	Adaptation of user views to business requirements. , 2010, , .		1
34	Feedback on the definition and design of innovative mobile services. , 2011, , .		1
35	Capturing and Aligning Assurance Requirements for Business Services Systems. Lecture Notes in Computer Science, 2012, , 71-92.	1.0	1
36	Collaborative 4D/nD Construction Simulation: What Is It?. Lecture Notes in Computer Science, 2013, , 161-168.	1.0	1

#	ARTICLE	IF	CITATIONS
37	Characterizing Collaborative 4D Use Contexts to Improve Interaction Mechanisms Design. , 2014, , .		1
38	BIM and Energy Efficiency training requirement for the construction industry. IOP Conference Series: Earth and Environmental Science, 2019, 297, 012037.	0.2	1
39	Transdisciplinary Research“Buildings as Service-Oriented Product-Service Systems. , 2021, , 139-151.		1
40	Post-occupancy Evaluation Parameters in Multi-objective Optimization“Based Design Process. , 2019, , 463-470.		1
41	A 4D BIM System Architecture for the Semantic Web. Lecture Notes in Civil Engineering, 2021, , 561-573.	0.3	1
42	Supporting Collaborative Decision in Architectural Design with Synchronous Collocated 4D Simulation and Natural User Interactions. Lecture Notes in Computer Science, 2014, , 159-162.	1.0	0
43	A Survey on the Parametric Approaches and Tools Used in the Design Process by Practitioners. , 2019, , .		0
44	A Prediction Accuracy Weighted Voting Ensemble Method for Thermal Sensation Evaluation. Sustainable Development Goals Series, 2021, , 249-267.	0.2	0
45	Sustainable Energy Skills in the Construction Sector. Proceedings (mdpi), 2020, 65, 27.	0.2	0
46	Development of an Adaptation Table to Enhance the Accuracy of the Predicted Mean Vote Model. Sustainable Development Goals Series, 2021, , 227-247.	0.2	0
47	Une approche par les modÃ©les pour le suivi de l'activitÃ© coopÃ©rative de construction d'un bÃ¢timent. Une interface multivue et des services mÃ©tiers orientÃ©s gestion de chantier. Ingenierie Des Systemes D'Information, 2008, 13, 35-58.	0.5	0
48	Role-Specific Practices as Guidelines for Information Visualization in Service Systems. Lecture Notes in Computer Science, 2009, , 173-176.	1.0	0
49	Usage-Centered Design of Adaptable Visualization Services: Application to Cooperation Support Services System in the AEC Sector. Lecture Notes in Business Information Processing, 2010, , 15-29.	0.8	0
50	BIM4VET, Towards BIM Training Recommendation for AEC Professionals. , 2019, , 833-840.		0
51	A Participative Framework Covering Urban Planning Process with A Parametric Approach. Lecture Notes in Civil Engineering, 2021, , 1239-1251.	0.3	0
52	Optimization of a User-Involved Interior Layout Recommendation System at the Operation Stage. , 0, , .		0