

Circular economy in the construction industry: A system

Journal of Cleaner Production

260, 121046

DOI: [10.1016/j.jclepro.2020.121046](https://doi.org/10.1016/j.jclepro.2020.121046)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Polish Transition towards Circular Economy: Materials Management and Implications for the Construction Sector. <i>Materials</i> , 2020, 13, 5228.	2.9	23
2	Carbonated binder systems containing reactive MgO and Portland cement: Strength, chemical composition and pore structure. <i>Journal of Cleaner Production</i> , 2020, 271, 122021.	9.3	23
3	Exploring recommendations for circular supply chain management through interactive visualisation. <i>Decision Support Systems</i> , 2021, 140, 113431.	5.9	22
4	Quality assurance in reverse logistics supply chain of demolition waste: A systematic literature review. <i>Waste Management and Research</i> , 2021, 39, 3-24.	3.9	24
5	Uses of building information modelling for overcoming barriers to a circular economy. <i>Journal of Cleaner Production</i> , 2021, 285, 124854.	9.3	70
6	Circular economy metrics: Literature review and company-level classification framework. <i>Journal of Cleaner Production</i> , 2021, 288, 125090.	9.3	107
7	Application of circular economy principles in buildings: A systematic review. <i>Journal of Building Engineering</i> , 2021, 38, 102041.	3.4	40
8	The Obstacles of Circular Economy in the Real Estate Sector. <i>Lecture Notes in Information Systems and Organisation</i> , 2021, , 159-175.	0.6	0
9	The Key Strategies to Implement Circular Economy in Building Projectsâ€”A Case Study of Taiwan. <i>Sustainability</i> , 2021, 13, 754.	3.2	28
10	Progress in sustainable structural engineering: a review. <i>Innovative Infrastructure Solutions</i> , 2021, 6, 1.	2.2	9
11	Fundamentals of Building Deconstruction as a Circular Economy Strategy for the Reuse of Construction Materials. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 939.	2.5	53
12	Towards Circular Social Housing: An Exploration of Practices, Barriers, and Enablers. <i>Sustainability</i> , 2021, 13, 2100.	3.2	18
13	Circular economy in the construction sector: advancing environmental performance through systemic and holistic thinking. <i>Environment Systems and Decisions</i> , 2021, 41, 392-400.	3.4	20
14	Distributed Manufacturing: A New Digital Framework for Sustainable Modular Construction. <i>Sustainability</i> , 2021, 13, 1515.	3.2	20
15	How Lack of Knowledge and Tools Hinders the Eco-Design of Buildingsâ€”A Systematic Review. <i>Urban Science</i> , 2021, 5, 20.	2.3	12
16	Selection Criteria for Building Materials and Components in Line with the Circular Economy Principles in the Built Environmentâ€”A Review of Current Trends. <i>Infrastructures</i> , 2021, 6, 49.	2.8	29
17	Understanding of Construction Product Assessment Issues and Sustainability among Investors, Architects, Contractors, and Sellers of Construction Products in Poland. <i>Energies</i> , 2021, 14, 1941.	3.1	10
18	Spark plasma sintering of dense alumina ceramics from industrial waste scraps. <i>Open Ceramics</i> , 2021, 5, 100076.	2.0	4

#	ARTICLE	IF	CITATIONS
19	Enabling a circular economy in the built environment sector through blockchain technology. Journal of Cleaner Production, 2021, 294, 126352.	9.3	97
20	Quantifying Environmental Burdens of Plasters Based on Natural vs. Flue Gas Desulfurization (FGD) Gypsum. Sustainability, 2021, 13, 4298.	3.2	3
21	How circular is current design practice? Investigating perspectives across industrial design and architecture in the transition towards a circular economy. Sustainable Production and Consumption, 2021, 26, 692-708.	11.0	61
22	Megatrends in Circular Economy: Avenues for Relevant Advancements in Organizations. Circular Economy and Sustainability, 2021, 1, 173.	5.5	8
23	Implementing Circular Economy Strategies in Buildings – From Theory to Practice. Applied System Innovation, 2021, 4, 26.	4.6	39
24	ContribuiÃ§Ã£o do BIM para o desenvolvimento da Economia Circular no ambiente construÃ§Ã£o. ParanoÃ¡; Cadernos De Arquitetura E Urbanismo, 2021, , .	0.0	0
25	Circular Digital Built Environment: An Emerging Framework. Sustainability, 2021, 13, 6348.	3.2	102
26	Drivers and Barriers for Implementation and International Transferability of Sustainable Pop-up Living Systems. Circular Economy and Sustainability, 2021, , 1-31.	5.5	2
27	Application of Plastic Wastes in Construction Materials: A Review Using the Concept of Life-Cycle Assessment in the Context of Recent Research for Future Perspectives. Materials, 2021, 14, 3549.	2.9	76
28	Recycling potential in building energy renovation: A prospective study of the Dutch residential building stock up to 2050. Journal of Cleaner Production, 2021, 301, 126835.	9.3	18
29	Assessment methods for evaluating circular economy projects in construction: a review of available tools. International Journal of Construction Management, 2023, 23, 877-886.	3.2	11
30	Sustainable space for a sustainable Earth? Circular economy insights from the space sector. Journal of Environmental Management, 2021, 289, 112511.	7.8	12
31	Interactions between Lean Construction Principles and Circular Economy Practices for the Construction Industry. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	3.8	24
32	Circular economy in the construction industry: An overview of United States stakeholders'™ awareness, major challenges, and enablers. Resources, Conservation and Recycling, 2021, 170, 105617.	10.8	108
33	Steel slags in cement-based composites: An ultimate review on characterization, applications and performance. Construction and Building Materials, 2021, 291, 123265.	7.2	107
34	Recycling Technology Innovation as a Source of Competitive Advantage: The Sustainable and Circular Business Model of a Bicentennial Company. Sustainability, 2021, 13, 7723.	3.2	10
35	Coherent Investigation on a Smart Kinetic Wooden FaÃ§ade Based on Material Passport Concepts and Environmental Profile Inquiry. Materials, 2021, 14, 3771.	2.9	15
36	Construction and built environment in circular economy: A comprehensive literature review. Journal of Cleaner Production, 2021, 305, 127180.	9.3	78

#	ARTICLE	IF	CITATIONS
37	A review of the mechanical and durability performance of kraft-fibre reinforced mortar and concrete. <i>Construction and Building Materials</i> , 2021, 297, 123759.	7.2	21
38	Digital twin application in the construction industry: A literature review. <i>Journal of Building Engineering</i> , 2021, 40, 102726.	3.4	200
39	What do stakeholders in the construction industry look for in non-financial disclosure and what do they get?. <i>Meditari Accountancy Research</i> , 2022, 30, 762-785.	4.0	8
40	Comparison of different concrete compositions based on sustainability score. <i>International Journal of Sustainable Engineering</i> , 2021, 14, 2048-2059.	3.5	3
41	Earth as construction material in the circular economy context: practitioner perspectives on barriers to overcome. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2021, 376, 20200182.	4.0	42
42	IMPLEMENTATION STAGE FOR CIRCULAR ECONOMY IN THE DANISH BUILDING AND CONSTRUCTION SECTOR. <i>Detritus</i> , 2021, , 26-30.	0.9	8
43	Information brokerage for circular economy in the construction industry: A systematic literature review. <i>Journal of Cleaner Production</i> , 2021, 313, 127938.	9.3	27
44	Estimating the Circularity Performance of an Emerging Industrial Symbiosis Network: The Case of Recycled Plastic Fibers in Reinforced Concrete. <i>Sustainability</i> , 2021, 13, 10257.	3.2	8
45	A review of the research about gypsum mortars with waste aggregates. <i>Journal of Building Engineering</i> , 2022, 45, 103338.	3.4	25
46	Circular economy applications in the construction industry: A global scan of trends and opportunities. <i>Journal of Cleaner Production</i> , 2021, 324, 129125.	9.3	58
47	A Comprehensive Review of Deterrents to the Practice of Sustainable Interior Architecture and Design. <i>Sustainability</i> , 2021, 13, 10403.	3.2	5
48	Factor dynamics to facilitate circular economy adoption in construction. <i>Journal of Cleaner Production</i> , 2021, 319, 128639.	9.3	34
49	Are design for disassembly principles advantageous for the environment when applied to temporary exhibition installations?. <i>Sustainable Production and Consumption</i> , 2021, 28, 1262-1274.	11.0	4
50	Circular economy in the building and construction sector: A scientific evolution analysis. <i>Journal of Building Engineering</i> , 2021, 44, 102704.	3.4	122
51	An analytical review on application of life cycle assessment in circular economy for built environment. <i>Journal of Building Engineering</i> , 2021, 44, 103374.	3.4	27
52	Contributions of modularity to the circular economy: A systematic review of literature. <i>Journal of Building Engineering</i> , 2021, 44, 103322.	3.4	18
53	Implementing circular economy in the textile and clothing industry. <i>Business Strategy and the Environment</i> , 2021, 30, 1497-1530.	14.3	87
54	The transition from linear economy to circular economy for sustainability among SMEs: A study on prospects, impediments, and prerequisites. <i>Business Strategy and the Environment</i> , 2021, 30, 1803-1822.	14.3	87

#	ARTICLE	IF	CITATIONS
55	Engineering Skills: Systematic Review in the Field of Professional Ethics. <i>Creative Education</i> , 2021, 12, 2335-2355.	0.4	1
56	Circular economy in Brazilian construction industry: Current scenario, challenges and opportunities. <i>Waste Management and Research</i> , 2022, 40, 642-653.	3.9	7
57	Recycling Thermal Insulation Materials: A Case Study on More Circular Management of Expanded Polystyrene and Stonewool in Switzerland and Research Agenda. <i>Resources</i> , 2021, 10, 104.	3.5	9
58	A Critical Appraisal of Review Studies in Circular Economy: a Tertiary Study. <i>Circular Economy and Sustainability</i> , 2022, 2, 473-505.	5.5	4
59	The strength and environmental performance of asphalt mixtures with recycled concrete aggregates. <i>Transportation Research, Part D: Transport and Environment</i> , 2021, 100, 103065.	6.8	9
60	Optimisation of Compressed Earth Blocks (CEBs) using natural origin materials: A systematic literature review. <i>Construction and Building Materials</i> , 2021, 309, 125140.	7.2	44
61	How Can Collaborative Circular Economy Practices in Modular Construction Help Fédération Internationale de Football Association World Cup Qatar 2022 to Achieve Its Quest for Sustainable Development and Ecological Systems?. <i>Frontiers in Sustainability</i> , 2021, 2, .	2.6	3
62	Lignocellulosic materials as soil-cement brick reinforcement. <i>Environmental Science and Pollution Research</i> , 2022, 29, 21769-21788.	5.3	2
63	Roles and actions of managers in circular supply chain implementation: A resource orchestration perspective. <i>Sustainable Production and Consumption</i> , 2022, 30, 64-76.	11.0	8
64	Comparing the environmental impacts of wooden buildings in Spain, Slovenia, and Germany. <i>Journal of Cleaner Production</i> , 2021, 329, 129587.	9.3	9
65	The mechanical performance of recycled cardboard kraft fibres within cement and concrete composites. <i>Construction and Building Materials</i> , 2022, 317, 125920.	7.2	14
66	Developing a circular economy: An examination of SMEs' role in India. <i>Journal of Business Research</i> , 2022, 142, 435-447.	10.2	26
67	Circular building with raw earth: a qualitative assessment of two cases in Belgium. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 855, 012002.	0.3	1
68	Performance Measurement in Czech Construction Companies with Regard to Environmental Responsibility. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 906, 012094.	0.3	0
69	Using Product Design Strategies to Implement Circular Economy: Differences between Students and Professional Designers. <i>Sustainability</i> , 2022, 14, 1122.	3.2	11
70	Experimenting with New Ways of Circular and Participatory Design: The Case Study of a Traditional Sicilian Architecture Transformed for Experiential Tourism. <i>Sustainability</i> , 2022, 14, 1360.	3.2	0
71	Combining circular and LCA indicators for the early design of urban projects. <i>International Journal of Life Cycle Assessment</i> , 2022, 27, 1-19.	4.7	20
72	Formalising the R of Reduce in a Circular Economy Oriented Design Methodology for Pedestrian and Cycling Bridges. <i>J.</i> , 2022, 5, 35-50.	0.9	0

#	ARTICLE	IF	CITATIONS
73	Circular economy in facades. , 2022, , 519-539.		0
74	Toward a new building era. , 2022, , 3-60.		2
75	Implementation of environmentally sustainable practices and their association with ISO 14001 certification in the construction industry of the United Arab Emirates. Sustainability: Science, Practice, and Policy, 2022, 18, 55-69.	1.9	1
76	Circular economy adoption by SMEs in emerging markets: Towards a multilevel conceptual framework. Journal of Business Research, 2022, 142, 605-619.	10.2	43
77	Transition towards a circular economy: A review of the role of higher education as a key supporting stakeholder in Web of Science. Sustainable Production and Consumption, 2022, 31, 82-96.	11.0	15
78	Cement-based batteries design and performance. A review. Environmental Chemistry Letters, 2022, 20, 1671-1694.	16.2	7
79	Utilisation of Recycled Concrete Aggregates for Sustainable Porous Asphalt Pavements. Baltic Journal of Road and Bridge Engineering, 2022, 17, 117-142.	0.8	3
81	A Framework for Estimating the Reuse Value of In Situ Building Materials. , 2022, , .		0
82	Circular economy in the construction industry: A review of decision support tools based on Information & Communication Technologies. Journal of Cleaner Production, 2022, 349, 131335.	9.3	35
83	Supporting construction stakeholders with the circular economy: A trans-scaler framework to understand the holistic approach. Cleaner Engineering and Technology, 2022, 8, 100454.	4.0	18
84	Circular Economy Development in the Construction Sector in Japan. World, 2022, 3, 1-26.	2.2	5
85	Circularity in the New Gravity”Re-Thinking Vernacular Architecture and Circularity. Sustainability, 2022, 14, 328.	3.2	8
87	Critical review of nano and micro-level building circularity indicators and frameworks. Journal of Cleaner Production, 2022, 357, 131859.	9.3	30
88	Multicriteria analysis of the environmental and economic performance of circularity strategies for concrete waste recycling in Spain. Waste Management, 2022, 144, 387-400.	7.4	12
89	Drawing a Path towards Circular Construction: An Approach to Engage Stakeholders. Sustainability, 2022, 14, 5314.	3.2	4
90	A review of reverse logistics and closed-loop supply chains in the perspective of circular economy. Benchmarking, 2023, 30, 975-1020.	4.6	21
91	Spatiotemporal Model to Quantify Stocks of Metal Cladding Products for a Prospective Circular Economy. Applied Sciences (Switzerland), 2022, 12, 4597.	2.5	1
92	Environmental impacts of using recycled plastics in concrete. Materials Today: Proceedings, 2022, 62, 4013-4017.	1.8	10

#	ARTICLE	IF	CITATIONS
93	The Product Circularity Data Sheetâ€”A Standardized Digital Fingerprint for Circular Economy Data about Products. <i>Energies</i> , 2022, 15, 3397.	3.1	16
94	Circularity Performances of the Production of a Cement Mortar Reinforced with Recycled Synthetic Fibers. <i>Key Engineering Materials</i> , 0, 919, 218-226.	0.4	0
95	Circular economy research on building construction and demolition waste: A review of current trends and future research directions. <i>Journal of Cleaner Production</i> , 2022, 357, 131927.	9.3	64
96	Green finance for green buildings: A systematic review and conceptual foundation. <i>Journal of Cleaner Production</i> , 2022, 356, 131869.	9.3	40
97	Circular value chain practices for developing resource value retention options. <i>Journal of Cleaner Production</i> , 2022, 359, 131925.	9.3	3
98	The Private Sector Role as a Key Supporting Stakeholder towards Circular Economy in the Built Environment: A Scientometric and Content Analysis. <i>Buildings</i> , 2022, 12, 695.	3.1	16
99	Circularity assessment tool development for construction projects in emerging economies. <i>Journal of Cleaner Production</i> , 2022, 362, 132293.	9.3	26
100	Sustainability and circularity in fruit and vegetable production. Perceptions and practices of reduction and valorization of agricultural waste biomass in south-eastern Spain. <i>Journal of Environmental Management</i> , 2022, 316, 115270.	7.8	9
101	Transforming sustainability of Indian small and medium-sized enterprises through circular economy adoption. <i>Journal of Business Research</i> , 2022, 149, 250-269.	10.2	35
102	Guidance for Materials 4.0 to interact with a digital twin. <i>Data-Centric Engineering</i> , 2022, 3, .	2.3	5
103	Macroeconomic Predictor for Recovery Rate of Construction and Demolition Waste. A Neural Networks Model for Romania. <i>Acta Marisiensis Seria Technologica</i> , 2022, 19, 22-27.	0.2	1
104	Life Cycle Assessments of Circular Economy in the Built Environmentâ€”A Scoping Review. <i>Sustainability</i> , 2022, 14, 6887.	3.2	13
105	Disclosure of environmental sustainability activities by large ski lift firms. <i>Geocarrefour</i> , 2021, 95, .	0.3	0
106	From waste to resource management? Construction and demolition waste management through the lens of institutional work. <i>Construction Management and Economics</i> , 2022, 40, 477-496.	3.0	9
107	Life cycle stage practices and strategies for circular economy: assessment in construction and demolition industry of an emerging economy. <i>Environmental Science and Pollution Research</i> , 2022, 29, 82110-82121.	5.3	10
108	Applications of Industry 4.0 digital technologies towards a construction circular economy: gap analysis and conceptual framework. <i>Construction Innovation</i> , 2022, 22, 647-670.	2.7	29
109	The transition to the circular economy of the construction industry: Insights into sustainable approaches to improve the understanding. <i>Journal of Cleaner Production</i> , 2022, 364, 132421.	9.3	21
110	Enhanced acoustic properties of concrete composites comprising modified waste sheep wool fibers. <i>Journal of Building Engineering</i> , 2022, 56, 104815.	3.4	10

#	ARTICLE	IF	CITATIONS
111	Evaluation of the Technological Properties of Soilâ€“Cement Bricks with Incorporation of Coconut Fiber Powder. Eng, 2022, 3, 311-324.	2.4	2
112	Global review of circular economy and life cycle thinking in building Demolition Waste Management: A way ahead for India. Building and Environment, 2022, 222, 109413.	6.9	24
113	Circular Economy in the Construction Industry: A Step towards Sustainable Development. Buildings, 2022, 12, 1004.	3.1	9
114	Circular economy in pharmaceutical industry through the lens of stimulus organism response theory. European Business Review, 2022, 34, 936-964.	3.4	3
115	Construction for Health; Reversing the Impacts. Buildings, 2022, 12, 1133.	3.1	1
116	Circular economy in the Australian AEC industry: investigation of barriers and enablers. Building Research and Information, 2023, 51, 56-68.	3.9	20
117	Viability of recycled asphalt mixtures with soybean oil sludge fatty acid. Construction and Building Materials, 2022, 349, 128728.	7.2	21
118	Digitalization for a circular economy in the building industry: Multiple-case study of Dutch social housing organizations. Resources, Conservation & Recycling Advances, 2022, 15, 200110.	2.5	18
119	Attaining higher levels of circularity in construction: Scientometric review and cross-industry exploration. Journal of Cleaner Production, 2022, 375, 133934.	9.3	11
120	Industry 4.0 and the circular economy: using design-stage digital technology to reduce construction waste. Smart and Sustainable Built Environment, 2024, 13, 179-198.	4.0	17
121	Blockchain Enhanced Construction Waste Information Management: A Conceptual Framework. Sustainability, 2022, 14, 12145.	3.2	4
122	How is the construction sector addressing the Circular Economy? Lessons from current practices and perceptions in Argentina. IOP Conference Series: Earth and Environmental Science, 2022, 1078, 012008.	0.3	0
123	Reconsidering the assessment method of Environmental implications of Circular Economy in the Built Environment. IOP Conference Series: Earth and Environmental Science, 2022, 1078, 012007.	0.3	1
124	Fostering deep renovation and unburdening homeowners through digital platforms. IOP Conference Series: Earth and Environmental Science, 2022, 1085, 012015.	0.3	0
125	Developing an integrated BIM/LCA framework to assess the sustainability of using earthen architecture. IOP Conference Series: Earth and Environmental Science, 2022, 1078, 012100.	0.3	2
126	Circular economy digital market solutions for reuse in the European construction sector. IOP Conference Series: Earth and Environmental Science, 2022, 1078, 012121.	0.3	1
127	Building circularity as a measure of sustainability in the old and modern architecture: A case study of architecture development in the hot and dry climate. Energy and Buildings, 2022, 275, 112469.	6.7	8
128	Barriers and enablers of circular economy in construction: a multi-system perspective towards the development of a practical framework. Construction Management and Economics, 2023, 41, 3-21.	3.0	17

#	ARTICLE	IF	CITATIONS
129	Building Information Modeling (BIM) Driven Carbon Emission Reduction Research: A 14-Year Bibliometric Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 12820.	2.6	19
130	Towards Sustainable Development through the Perspective of Construction 4.0: Systematic Literature Review and Bibliometric Analysis. <i>Buildings</i> , 2022, 12, 1708.	3.1	12
131	Research on the Influencing Factors for the Use of Green Building Materials through the Number Growth of Construction Enterprises Based on Agent-Based Modeling. <i>Sustainability</i> , 2022, 14, 12773.	3.2	2
132	Shaping circular economy in the built environment in Africa. A bibliometric analysis. <i>Journal of Engineering, Design and Technology</i> , 2024, 22, 613-642.	1.7	4
133	Circular Bioeconomy in the Amazon Rainforest: Evaluation of AÃaÃ-Seed Ash as a Regional Solution for Partial Cement Replacement. <i>Sustainability</i> , 2022, 14, 14436.	3.2	5
134	Industry 5.0 and the Circular Economy: Utilizing LCA with Intelligent Products. <i>Sustainability</i> , 2022, 14, 14847.	3.2	20
135	An evaluation of determinants influencing the adoption of circular economy principles in Nigerian construction SMEs. <i>Building Research and Information</i> , 0, , 1-16.	3.9	4
136	The use of waste marble for cleaner production of structural concrete: A comprehensive experimental study. <i>Construction and Building Materials</i> , 2022, 361, 129612.	7.2	9
137	A road map to find in 3D printing a new design plasticity for construction â The state of art. <i>Frontiers of Architectural Research</i> , 2023, 12, 337-360.	2.8	9
138	Key principles for sustainable infrastructure. , 2022, , 45-73.		0
139	Circular Economy In Recycled Paper Company. , 2022, , .		0
140	Template for Evaluating Cradle-to-Site Environmental Life Cycle Impacts of Buildings in India. <i>ACS Environmental Au</i> , 0, , .	7.0	0
141	Endâofâlife solution prioritization for preâcast concrete components aligning with circular economy targets. <i>Structural Concrete</i> , 0, , .	3.1	0
142	A systemic perspective on transition barriers to a circular infrastructure sector. <i>Construction Management and Economics</i> , 2023, 41, 22-43.	3.0	8
144	Driving systematic circular economy implementation in the construction industry: A construction value chain perspective. <i>Journal of Cleaner Production</i> , 2022, 381, 135197.	9.3	8
145	Decision Factors of Stakeholder Integration in Connected Construction for Circular Economics. <i>Sustainability</i> , 2022, 14, 16200.	3.2	2
146	Green Building Concepts and Technologies in Ethiopia: The Case of Wegagen Bank Headquarters Building. <i>Technologies</i> , 2023, 11, 2.	5.1	3
147	Return to Reintegration? Towards a Circular-Economy-Inspired Management Paradigm. <i>Circular Economy and Sustainability</i> , 2023, 3, 1461-1483.	5.5	1

#	ARTICLE	IF	CITATIONS
148	Establishing underpinning concepts for integrating circular economy and offsite construction: a bibliometric review. Built Environment Project and Asset Management, 2023, 13, 123-139.	1.6	8
149	Circular material passports for buildings – Providing a robust methodology for promoting circular buildings. IOP Conference Series: Earth and Environmental Science, 2022, 1122, 012049.	0.3	3
150	The Recycling of Construction and Demolition Waste from a Circular Economy Perspective. , 2022, , .		0
151	The Circular Economy of Steel Roofing and Cladding and Its Environmental Impacts – A Case Study for New Zealand. Sustainability, 2022, 14, 16832.	3.2	0
152	Valorization of fine recycled C&D aggregate and incinerator bottom ash for the preparation of controlled low-strength material (CLSM). , 2022, 3, 100061.		2
153	DEVELOPMENT OF GUIDANCE FOR THE ADOPTION OF CIRCULAR ECONOMY IN CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT. Planning Malaysia, 0, 20, .	0.2	0
154	Science learning in 3D virtual environment multi-users online in basic education stage. Eurasia Journal of Mathematics, Science and Technology Education, 2023, 19, em2216.	1.3	5
155	Urban Metabolism-Based Approaches for Promoting Circular Economy in Buildings Refurbishment. Environments - MDPI, 2023, 10, 13.	3.3	7
156	Facilitating Circular Economy Strategies Using Digital Construction Tools: Framework Development. Sustainability, 2023, 15, 877.	3.2	7
157	Buildability assessment of mortar with fine recycled aggregates for 3D printing. Construction and Building Materials, 2023, 367, 130313.	7.2	10
158	Risk assessment of circular economy practices in construction industry of Pakistan. Science of the Total Environment, 2023, 868, 161418.	8.0	9
159	Digitalised circular construction supply chain: An integrated BIM-Blockchain solution. Automation in Construction, 2023, 148, 104746.	9.8	32
160	Scientometric Analysis of the Global Scientific Literature on Circularity Indicators in the Construction and Built Environment Sector. Sustainability, 2023, 15, 728.	3.2	3
161	Nature inspiration, imitation, and emulation: Biomimicry thinking path to sustainability in the construction industry. Frontiers in Built Environment, 0, 9, .	2.3	2
163	The anatomy of a passport for the circular economy: a conceptual definition, vision and structured literature review. Resources, Conservation & Recycling Advances, 2023, 17, 200131.	2.5	9
164	Understanding the global warming potential of circular design strategies: Life cycle assessment of a design-for-disassembly building. Sustainable Production and Consumption, 2023, 37, 331-343.	11.0	10
165	Utilizing plastic waste in the building and construction industry: A pathway towards the circular economy. Construction and Building Materials, 2023, 383, 131311.	7.2	10
166	Building stock mining for a circular economy: A systematic review on application of GIS and remote sensing. Resources, Conservation & Recycling Advances, 2023, 18, 200144.	2.5	2

#	ARTICLE	IF	CITATIONS
167	Barriers to the Adoption of Digital Twin in the Construction Industry: A Literature Review. Informatics, 2023, 10, 14.	3.9	11
168	Facility planning and schedule design in the pandemic: Eliminating contacts at construction workplace. Journal of Cleaner Production, 2023, 395, 136394.	9.3	2
169	Perspective on the Application of Machine Learning Algorithms for Flow Parameter Estimation in Recycled Concrete Aggregate. Materials, 2023, 16, 1500.	2.9	3
170	Spatial effect of transportation infrastructure on regional circular economy: evidence from Guangdong-Hong Kong-Macao Greater Bay Area. Environmental Science and Pollution Research, 2023, 30, 50620-50634.	5.3	0
171	Motivations and market solutions for flexible housing in Finland. Journal of Housing and the Built Environment, 0, , .	1.8	0
172	A Review of the Environmental Benefits of Using Wood Waste and Magnesium Oxychloride Cement as a Composite Building Material. Materials, 2023, 16, 1944.	2.9	1
173	Information Exchange between Construction and Manufacturing Industries to Achieve Circular Economy: A Literature Review and Interviews with Swedish Experts. Buildings, 2023, 13, 633.	3.1	3
174	Quartzite tailings in civil construction materials: a systematic review. Clean Technologies and Environmental Policy, 2023, 25, 1807-1824.	4.1	3
175	An investigation on construction companies' attitudes towards importance and adoption of circular economy strategies. Ain Shams Engineering Journal, 2023, 14, 102219.	6.1	2
176	A New Framework for Circular Refurbishment of Buildings to Operationalize Circular Economy Policies. Environments - MDPI, 2023, 10, 51.	3.3	2
177	Entropy and Cities: A Bibliographic Analysis towards More Circular and Sustainable Urban Environments. Entropy, 2023, 25, 532.	2.2	2
178	Defining the goals of Product Passports by circular product strategies. Procedia CIRP, 2023, 116, 257-262.	1.9	1
179	Waste free construction site - a buzzword, nice to have or more. Resources, Conservation & Recycling Advances, 2023, , 200149.	2.5	1
180	Characterization of Asphalt Mixtures with Addition of Drill-Well Gravel. Journal of Materials in Civil Engineering, 2023, 35, .	2.9	3
181	The role of education in promoting circular economy. International Journal of Sustainable Engineering, 2023, 16, 92-103.	3.5	3
182	Who Drives Circularity? The Role of Construction Company Employees in Achieving High Circular Economy Efficiency. Sustainability, 2023, 15, 7110.	3.2	0
183	Circular Economy Development in the Wood Construction Sector in Finland. Sustainability, 2023, 15, 7871.	3.2	2
184	Building Material in Circular Economy: The Suitability of Wood Waste in Bio-concrete Development. , 2023, , 111-126.		0

#	ARTICLE	IF	CITATIONS
185	Whole building circularity indicator: A circular economy assessment framework for promoting circularity and sustainability in buildings and construction. <i>Building and Environment</i> , 2023, 241, 110498.	6.9	5
186	Circular economy in the built environment: A systematic literature review and definition of the circular construction concept. <i>Journal of Cleaner Production</i> , 2023, 414, 137738.	9.3	8
187	Developing a construction waste material "passport"™ for cross-jurisdictional trading. <i>Journal of Cleaner Production</i> , 2023, 414, 137509.	9.3	1
188	Implementation of augmented reality and mixed reality applications for smart facilities management: a systematic review. <i>Smart and Sustainable Built Environment</i> , 2023, ahead-of-print, .	4.0	3
189	Improving the Energy Performance and Economic Benefits of Aged Residential Buildings by Retrofitting in Hot-Humid Regions of China. <i>Energies</i> , 2023, 16, 4981.	3.1	5
190	Implementation of circular economy in construction projects: a procurement strategy approach. <i>Construction Innovation</i> , 2023, 24, 204-222.	2.7	1
191	Circular Design and Embodied Carbon in Living Buildings: The Missing Potential. <i>Journal of Architectural Engineering</i> , 2023, 29, .	1.6	1
192	Feasibility of granite processing waste as a fill material in geotechnical applications. <i>Materials Today: Proceedings</i> , 2023, , .	1.8	2
193	Circularity information platform for the built environment. <i>Automation in Construction</i> , 2023, 152, 104933.	9.8	1
194	Circular economy and sustainable development goals: Exploring the potentials of reusable modular components in circular economy business model. <i>Journal of Cleaner Production</i> , 2023, 414, 137503.	9.3	8
195	The CO ₂ NSTRUCT European project: Modelling the role of Circular Economy in construction value chains for a carbon-neutral Europe. <i>IOP Conference Series: Earth and Environmental Science</i> , 2023, 1196, 012043.	0.3	0
196	Circularity Indicators as a Design Tool for Design and Construction Strategies in Architecture. <i>Buildings</i> , 2023, 13, 1706.	3.1	1
197	Employing criteria scoring matrix in appraising the economic return of transcending to a circular built environment. <i>Smart and Sustainable Built Environment</i> , 2023, ahead-of-print, .	4.0	2
198	Identification of parameters and indicators for implementing circularity in the construction industry. <i>Journal of Engineering and Applied Science</i> , 2023, 70, .	2.0	0
199	Sustainability of recycling plastic waste as fibers for concrete: a review. <i>Journal of Material Cycles and Waste Management</i> , 0, , .	3.0	0
200	Financial Analysis of the Construction Company's Product Quality Management System. , 2023, 1, 194-205.		0
201	Digital twin and its potential applications in construction industry: State-of-art review and a conceptual framework. <i>Advanced Engineering Informatics</i> , 2023, 57, 102030.	8.0	9
202	A sustainable circular supply chain network design model for electric vehicle battery production using internet of things and big data. <i>Expert Systems</i> , 0, , .	4.5	1

#	ARTICLE	IF	CITATIONS
203	Strategy formulation path towards zero-waste of municipal solid waste: A case study from Shanghai. <i>Journal of Cleaner Production</i> , 2023, 418, 138091.	9.3	7
204	Closing the loop in the construction industry: A systematic literature review on the development of circular economy. <i>Journal of Building Engineering</i> , 2023, 76, 107362.	3.4	3
205	The challenges in adoption of circular economy in SMEs – a research agenda and way forward. <i>Benchmarking</i> , 0, , .	4.6	2
206	Data requirements and availabilities for material passports: A digitally enabled framework for improving the circularity of existing buildings. <i>Sustainable Production and Consumption</i> , 2023, 40, 422-437.	11.0	8
207	Roles and competencies of quantity surveyors in achieving a circular built environment: an investigation according to 3R principles. <i>Smart and Sustainable Built Environment</i> , 2023, ahead-of-print, .	4.0	4
208	Sustainable mixes for 3D printing of earth-based constructions. <i>Construction and Building Materials</i> , 2023, 398, 132496.	7.2	3
209	Circularity in the Built Environment: A Goal or a Means?. <i>Springer Proceedings in Business and Economics</i> , 2023, , 253-267.	0.3	0
210	Life Cycle Assessment of Concrete Production within a Circular Economy Perspective. <i>Sustainability</i> , 2023, 15, 11469.	3.2	3
211	Leveraging digital technologies for circular economy in construction industry: a way forward. <i>Smart and Sustainable Built Environment</i> , 2024, 13, 85-116.	4.0	6
212	Enhancing Circular Economy and Sustainable Environmental Practices – Opportunities and Challenges for Tyre Pyrolysis in Africa. , 2023, , 9-45.		0
213	Digital realities of the economic horizons in the construction industry. <i>E3S Web of Conferences</i> , 2023, 402, 08012.	0.5	1
214	A Study of Circular Economy Strategies for the Life Cycle of Building Construction Projects: A Systematic Review. <i>Lecture Notes in Civil Engineering</i> , 2023, , 371-389.	0.4	1
215	Towards Sustainable Construction: A Systematic Review of Circular Economy Strategies and Ecodesign in the Built Environment. <i>Buildings</i> , 2023, 13, 2059.	3.1	1
216	Investigation of PESTEL factors driving change in capital project organizations. <i>Frontiers in Built Environment</i> , 0, 9, .	2.3	1
217	Assessing the impact of policy tools on building material recovery. <i>Resources, Conservation and Recycling</i> , 2023, 198, 107188.	10.8	2
218	Construction and demolition waste framework of circular economy: A mini review. <i>Waste Management and Research</i> , 2023, 41, 1728-1740.	3.9	7
219	A Damage Detection Approach in the Era of Industry 4.0 Using the Relationship between Circular Economy, Data Mining, and Artificial Intelligence. <i>Advances in Civil Engineering</i> , 2023, 2023, 1-17.	0.7	0
220	A framework to model the performance indicators of resilient construction supply chain: An effort toward attaining sustainability and circular practices. <i>Business Strategy and the Environment</i> , 2024, 33, 1688-1720.	14.3	0

#	ARTICLE	IF	CITATIONS
221	Circular economy in construction: A systematic review of knowledge gaps towards a novel research framework. <i>Frontiers in Built Environment</i> , 0, 9, .	2.3	4
222	The relative importance of carbon markets to the waste management sectorâ€™s future contribution to climate change commitments under the Paris Agreement: insights from Australia. , 2023, 2, .		0
223	Evaluation of copper slag and stainless steel slag as replacements for blast furnace slag in binary and ternary alkali-activated cements. <i>Journal of Materials Science</i> , 2023, 58, 12537-12558.	3.7	3
224	Integration of Digital Twin and Circular Economy in the Construction Industry. <i>Sustainability</i> , 2023, 15, 13186.	3.2	4
225	Estimation of the potential changes in the social impacts of transitioning to circular economy for multiple stakeholders â€™ a case of Indian transportation infrastructure. <i>International Journal of Life Cycle Assessment</i> , 0, , .	4.7	0
226	On The Path towards Sustainable Constructionâ€™The Case of the United Arab Emirates: A Review. <i>Sustainability</i> , 2023, 15, 14652.	3.2	1
227	Eco-Responsibility and Circular Economy in the Green (Sustainable) Built Environment. <i>Advances in Finance, Accounting, and Economics</i> , 2023, , 57-83.	0.3	0
228	Valorization of Marble Waste Powder as a Replacement for Limestone in Clinker Production: Technical, Environmental and Economic Evaluation. <i>Sustainability</i> , 2023, 15, 13902.	3.2	0
229	Investigation of selected key indicators of circular economy for implementation processes in sectorial dimensions. <i>Journal of Innovation & Knowledge</i> , 2023, 8, 100421.	14.0	2
230	Assessment of Implementation of Circular Economy Framework in the Sri Lankan Construction Sector. <i>Baltic Journal of Real Estate Economics and Construction Management</i> , 2023, 11, 133-152.	0.3	3
231	The emerging role of design in the circular materials field. <i>Materiaux Et Techniques</i> , 2023, 111, 307.	0.9	0
232	The private sector's role in Colombia to achieving the circular economy and the Sustainable Development Goals. <i>DYNA (Colombia)</i> , 2023, 90, 9-16.	0.4	1
233	Machine-learning-assisted classification of construction and demolition waste fragments using computer vision: Convolution versus extraction of selected features. <i>Expert Systems With Applications</i> , 2024, 238, 121568.	7.6	1
234	Digital Twin-Enabled Building Demolition Waste Trading Workflow. , 2023, , .		0
235	Dynamic visualization BIM and voice recognition system in the optimization application of building construction structure. <i>International Journal of Systems Assurance Engineering and Management</i> , 0, , .	2.4	0
236	Key barriers in managing construction site for green building projects. <i>AIP Conference Proceedings</i> , 2023, , .	0.4	0
237	From Technology to Strategy: Robotic Fabrication and Human Robot Collaboration for Increasing AEC Capacities. <i>Lecture Notes in Mechanical Engineering</i> , 2024, , 225-245.	0.4	0
238	Identifying Emerging Technologies and Skills Required for Construction 4.0. <i>Buildings</i> , 2023, 13, 2535.	3.1	1

#	ARTICLE	IF	CITATIONS
239	Trading building demolition waste via digital twins. Automation in Construction, 2023, 156, 105105.	9.8	0
240	The Emerging Role of Plant-Based Building Materials in the Construction Industry—A Bibliometric Analysis. Resources, 2023, 12, 124.	3.5	2
241	Post-Growth, Degrowth, the Doughnut, and Circular Economy: A Short Guide for Policymakers. , 2024, 2, 113-123.		0
242	Implications of circular strategies on energy, water, and GHG emissions in housing of the Global North and Global South. Cleaner Engineering and Technology, 2023, 17, 100684.	4.0	0
244	Barriers to circular economy implementation in the construction industry: causal assessment model. Environment, Development and Sustainability, 0, , .	5.0	0
245	Circular economy and agriculture: mapping scientific productivity, research pattern and future research direction. Environment, Development and Sustainability, 0, , .	5.0	1
246	Circular economy strategies for waste management in Sri Lanka: A focus on demolitions and repurpose and material recovery and production stages. Waste Management and Research, 0, , .	3.9	1
247	Creative Frugality as a Sustainable Circular Pattern in Architecture and Building Construction. , 0, , .		0
248	An Insight into the Enablers for Waste Management Culture in the Construction Sector. , 0, , .		0
249	â€œA global perspective on building material recovery incorporating the impact of regional factorsâ€. Journal of Cleaner Production, 2023, 429, 139525.	9.3	1
250	Data Visualization for a Circular Economy: Designing a Web Application for Sustainable Housing. Technology Architecture and Design, 2023, 7, 262-281.	0.2	0
251	Environmentally Friendly Smart Construction—Review of Recent Developments and Opportunities. Applied Sciences (Switzerland), 2023, 13, 12891.	2.5	1
252	Use of circular economy practices during the renovation of old buildings in developing countries. Sustainable Futures, 2023, 6, 100135.	3.2	0
253	A Quantitative Group Decision-Making Methodology for Structural Eco-Materials Selection Based on Qualitative Sustainability Attributes. Applied Sciences (Switzerland), 2023, 13, 12310.	2.5	1
254	Framework for Dynamic Circular Economy in the Building Industry: Integration of Blockchain Technology and Multi-Criteria Decision-Making Approach. Sustainability, 2023, 15, 15914.	3.2	1
255	From LCA to circular design: A comparative study of digital tools for the built environment. Resources, Conservation and Recycling, 2024, 200, 107291.	10.8	5
256	The method of multicriteria analysis for the prioritization of innovations in the construction industry. Management, 2023, 27, 56-67.	0.9	0
257	Extended hygrothermal characterization of unstabilized rammed earth for modern construction. Construction and Building Materials, 2023, 409, 133904.	7.2	1

#	ARTICLE	IF	CITATIONS
258	Circular economy implementation strategies, barriers and enablers for UK rail infrastructure projects. Resources, Conservation & Recycling Advances, 2024, 21, 200195.	2.5	0
259	The Potential Contribution of Modular Volumetric Timber Buildings to Circular Construction: A State-of-the-Art Review Based on Literature and 60 Case Studies. Sustainability, 2023, 15, 16203.	3.2	1
260	The role of LCA in the renovation's early decision-making for the design of a multifunctional, modular building envelope system. Journal of Physics: Conference Series, 2023, 2600, 152024.	0.4	0
261	Using cross-linked polyethylene (XLPE) waste in production of concrete: An experimental study. Construction and Building Materials, 2024, 411, 134261.	7.2	0
262	The Rehabilitation of Buildings from the Perspective of Circular Economy Principles. Springer Tracts in Civil Engineering, 2024, , 263-274.	0.5	0
263	Potential Synergy Between Agile Management and the Mindset of Circular Economy in Construction Projects. Springer Tracts in Civil Engineering, 2024, , 239-248.	0.5	0
264	Circular Economy Supporting Policies and Regulations: The Portuguese Case. Springer Tracts in Civil Engineering, 2024, , 277-290.	0.5	1
265	Life Cycle Assessment and Circular Building Design in South Asian Countries: A Review of the Current State of the Art and Research Potentials. Buildings, 2023, 13, 3045.	3.1	0
266	Towards achieving a net zero carbon building: A review of key stakeholders and their roles in net zero carbon building whole life cycle. Journal of Building Engineering, 2024, 82, 108223.	3.4	0
267	Relationships between sustainability disclosure, environmental innovation and performance: an examination of practice within the Australian construction and demolition waste sector. Environment, Development and Sustainability, 0, , .	5.0	0
268	Digital information management to increase the reuse of building materials. Journal of Physics: Conference Series, 2023, 2600, 192013.	0.4	0
269	Parameters of Sustainability in the Context of Decarbonization and Circular Construction Sector. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2024, , 117-132.	0.3	0
270	Accumulate and consolidate the traditional vernacular timber preservation technologies through a field survey. Heliyon, 2024, 10, e23907.	3.2	0
271	Enablers and Barriers to Implementation of Circular Economy Practices in the Built Environment: An Exploratory Study. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2024, 16, .	1.4	0
272	Industrial Wastes as Filler in Bituminous Materials for Construction Industry: Toward Circular Economy. ACS Sustainable Chemistry and Engineering, 0, , .	6.7	0
273	Prioritizing Indicators for Material Selection in Prefabricated Wooden Construction. Buildings, 2024, 14, 63.	3.1	1
274	From research to practice: A review on technologies for addressing the information gap for building material reuse in circular construction. Sustainable Production and Consumption, 2024, 45, 177-191.	11.0	0
275	Digital Technology Use Cases for Deconstruction and Reverse Logistics. , 2024, , 197-212.		0

#	ARTICLE	IF	CITATIONS
276	Policy Intervention of Waste Management. , 2023, , 77-104.		0
277	The recycling of demolition roof tile waste as a resource in the manufacturing of fired bricks: A scale-up to the industry. Construction and Building Materials, 2024, 412, 134727.	7.2	0
278	Development of a material circularity evaluation framework for building construction projects. Journal of Cleaner Production, 2024, 436, 140562.	9.3	2
279	Recommendations for Implementing Circular Economy in Construction: Direct Reuse of Steel Structures. Journal of Constructional Steel Research, 2024, 214, 108439.	3.9	0
280	Data Platforms as Tools for Circular Economy. , 2023, , 187-201.		0
281	Potential of BREEAM-C to support building circularity assessment: Insights from case study and expert interview. Journal of Cleaner Production, 2024, 442, 140836.	9.3	0
282	Exploring Leadership Styles to Foster Sustainability in Construction Projects: A Systematic Literature Review. Sustainability, 2024, 16, 971.	3.2	0
283	Sustainability Performance in On-Site Construction Processes: A Systematic Literature Review. Sustainability, 2024, 16, 1047.	3.2	0
284	Exploring the contributions of circular business models towards the transition of green economy in the Ghanaian construction industry. Smart and Sustainable Built Environment, 0, , .	4.0	0
285	Integrating Modularity into Industrialization and Prefabrication of Sustainable Residential Housing Solutions. Lecture Notes in Mechanical Engineering, 2024, , 259-269.	0.4	0
286	Circular Economy Business Model in the Construction Industry: A Systematic Review. Buildings, 2024, 14, 379.	3.1	0
287	RE:SLAB a load bearing system for open-ended component reuse in building structures. Frontiers in Built Environment, 0, 10, .	2.3	0
288	Use of Aureobasidium in a sustainable economy. Applied Microbiology and Biotechnology, 2024, 108, .	3.6	0
289	Employing circular economy principles to enhance sustainability in the built environment. , 2024, , 87-115.		0
290	Bolstering circular economy in construction through digitalisation. Construction Innovation, 0, , .	2.7	0
291	Effects of Waste Plastic and Glass Aggregates on the Strength Properties of Ambient-Cured One-Part Metakaolin-Based Geopolymer Concrete. Applied Sciences (Switzerland), 2024, 14, 1856.	2.5	0
292	Assessing consumer knowledge, attitudes, and adoption of circular economy practices in Colombia. Sustainable Production and Consumption, 2024, 46, 256-267.	11.0	0
293	Towards a sustainable circular economy: Understanding the environmental credits and loads of reusing modular building components from a multi-use cycle perspective. Sustainable Production and Consumption, 2024, 46, 543-558.	11.0	0

#	ARTICLE	IF	CITATIONS
294	Implementing Circular Economy throughout the Construction Project Life Cycle: A Review on Potential Practices and Relationships. Buildings, 2024, 14, 653.	3.1	0
295	Design for Disassembly in the Construction Industry: Success Factors and Computing Tools. , 2024, , .		0
296	Development of 3D printable stabilized earth-based construction materials using excavated soil: Evaluation of fresh and hardened properties. Science of the Total Environment, 2024, 924, 171654.	8.0	0
297	Achieving a circular economy through the effective reuse of construction products: A case study of a residential building. Journal of Cleaner Production, 2024, 450, 141753.	9.3	0
298	A Transition Management Framework for Implementing Circular Economy in the Construction Industry. , 2024, , .		0
299	Assessing the environmental and economic impacts of adopting circular economy for sustainable resource management in the Indian construction sector. Journal of Indian Business Research, 2024, 16, 23-54.	2.1	0
300	Sustainable Construction: Circular Materials and Their Impacts on Aspects of Construction Processes. EAI/Springer Innovations in Communication and Computing, 2024, , 151-166.	1.1	0
301	Enhancing a circular economy for construction and demolition waste management in China: A stakeholder engagement and key strategy approach. Journal of Cleaner Production, 2024, 450, 141763.	9.3	0
302	Deconstruction Information Model-Based Material Passports for Promoting Circular Economy in the AEC Industry through the Use of Building Information Modeling: A Literature Review. , 2024, , .		0
303	Automated Material Separation Activity Identification for Sustainable Demolition Operations. , 2024, , .		0