



## Shaker Qaidi

<https://www.webofscience.com/wos/author/rid/AAM-8334-2020>

Web of Science ResearcherID: [AAM-8334-2020](#)

ORCID: 0000-0001-8289-4877

Shaker Qaidi is: (i) a Researcher (H-index > 26) in Civil Engineering/Construction Materials (> 40 valuable research papers (> 1900 citations) in high-I.F. journals); (ii) a Reviewer (reviews of over 290 manuscripts for over 55 high-I.F. journals verified in WoS); (iii) an Editor (PLOS ONE; Computer Modeling in Engineering & Sciences; Frontiers in Materials; Frontiers in Built Environment); and (iv) a Lecturer.

---

### Publication Metrics

For manuscripts published from date range July 2018 - July 2023

**26**

H-index

**1417**

Sum of Times Cited

**53**

Total Publications

**48**

Web of Science Core Collection Publications

---

For all time

**26**

H-index

**1417**

Sum of Times Cited

**53**

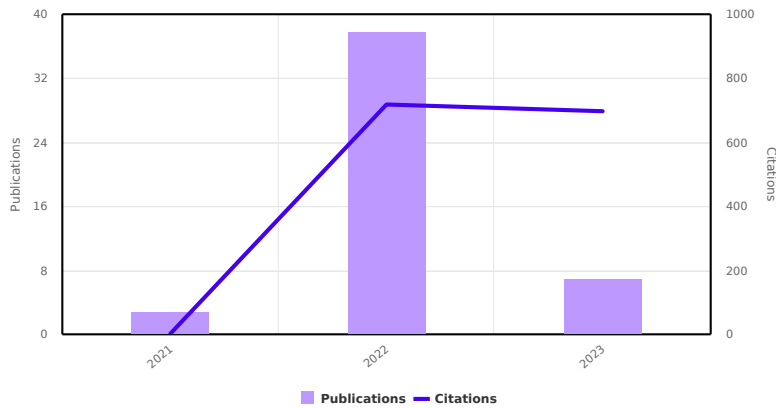
Total Publications

**48**

Web of Science Core Collection Publications

# Publication Impact Over Time

Times Cited and Publications Over Time



## Publishing Summary

For manuscripts published from date range July 2018 - July 2023

(18) Case Studies in Construction M...	(7) Materials
(4) Sustainability	(3) Construction and Building Materi...
(2) Cleaner Materials	(2) Materials Today: Proceedings
(2) Ceramics International	(1) Journal of Cleaner Production
(1) Scientific Reports	(1) European Journal of Environment...
(1) IOP Conference Series: Earth an...	(1) Structural Concrete
(1) Plos One	(1) Materials Today Sustainability
(1) Crystals	(1) Buildings
(1) Recycling	(1) Frontiers in Materials
(1) Journal of Renewable Materials	(1) Structures
(1) Neural Computing and Applicati...	(1) Journal of Materials Research an...

## Publications

For manuscripts published from date range July 2018 - July 2023 (53)

Times Cited  
(All time)

Sustainable utilization of red mud waste (bauxite residue) and slag for the production of geopolymer composites: A review

89

Authors (6): Qaidi, Shaker M. A.; Tayeh, Bassam A. ... Emad, Wael

Published: Jun 2022 in Case Studies in Construction Materials

DOI: 10.1016/J.CSCM.2022.E00994

Web of Science accession number: WOS:000779908300003

<p>Compressive Strength of Sustainable Geopolymer Concrete Composites: A State-of-the-Art Review</p> <p>Authors (7): Ahmed, Hemn Unis; Mohammed, Azad A. ... Qaidi, Shaker M. A.</p> <p>Published: Dec 2021 in Sustainability</p> <p>DOI: 10.3390/SU132413502</p> <p>Web of Science accession number: WOS:000737362400001</p>	77
<p>Recycling of mine tailings for the geopolymers production: A systematic review</p> <p>Authors (6): Tayeh, Bassam; Zeyad, Abdullah A. ... Ahmed, Hemn Unis</p> <p>Published: Jun 2022 in Case Studies in Construction Materials</p> <p>DOI: 10.1016/J.CSCM.2022.E00933</p> <p>Web of Science accession number: WOS:000791262800002</p>	68
<p>Concrete Containing Waste Glass as an Environmentally Friendly Aggregate: A Review on Fresh and Mechanical Characteristics</p> <p>Authors (9): Qaidi, Shaker; Najm, Hadee Mohammed ... Milad, Abdalrhman</p> <p>Published: Sep 2022 in Materials</p> <p>DOI: 10.3390/MA15186222</p> <p>Web of Science accession number: WOS:000856901100001</p>	67
<p>Compressive strength of geopolymer concrete modified with nano-silica: Experimental and modeling investigations</p> <p>Authors (5): Ahmed, Hemn Unis; Mohammed, Ahmed S. ... Mohammed, Azad A.</p> <p>Published: Jun 2022 in Case Studies in Construction Materials</p> <p>DOI: 10.1016/J.CSCM.2022.E01036</p> <p>Web of Science accession number: WOS:000802445200004</p>	61
<p>Engineering properties of sustainable green concrete incorporating eco-friendly aggregate of crumb rubber: A review</p> <p>Authors (5): Qaidi, Shaker M. A.; Dinkha, Youkhanna Zayia ... Tayeh, Bassam A.</p> <p>Published: Nov 2021 in Journal of Cleaner Production</p> <p>DOI: 10.1016/J.JCLEPRO.2021.129251</p> <p>Web of Science accession number: WOS:000724713800004</p>	60
<p>Influence of Replacing Cement with Waste Glass on Mechanical Properties of Concrete</p> <p>Authors (8): Zeybek, Ozer; Ozkilic, Yasin Onuralp ... Burduhos-Nergis, Diana Petronela</p> <p>Published: Nov 2022 in Materials</p> <p>DOI: 10.3390/MA15217513</p> <p>Web of Science accession number: WOS:000881258800001</p>	58
<p>Effects of waste glass and waste marble on mechanical and durability performance of concrete</p> <p>Authors (6): Ahmad, Jawad; Aslam, Fahid ... Brahmia, Ameni</p> <p>Published: Nov 2021 in Scientific Reports</p> <p>DOI: 10.1038/S41598-021-00994-0</p> <p>Web of Science accession number: WOS:000714953500023</p>	49

---

<b>Mechanical Behavior of Crushed Waste Glass as Replacement of Aggregates</b> Authors (8): Celik, Ali Ihsan; Ozkilic, Yasin Onuralp ... Bejinariu, Costica Published: Nov 2022 in Materials DOI: 10.3390/MA15228093 Web of Science accession number: WOS:000887381300001	45
<b>Ultra-high-performance fiber-reinforced concrete. Part IV: Durability properties, cost assessment, applications, and challenges</b> Authors (8): Akeed, Mahmoud H.; Qaidi, Shaker ... Azevedo, Afonso R. G. Published: Dec 2022 in Case Studies in Construction Materials DOI: 10.1016/J.CSCM.2022.E01271 Web of Science accession number: WOS:000824233800001	44
<b>Influence of steel fibers and microsilica on the mechanical properties of ultra-high-performance geopolymer concrete (UHP-GPC)</b> Authors (5): Aisheh, Yazan Issa Abu; Atrushi, Dawood Sulaiman ... Tayeh, Bassam A. Published: Dec 2022 in Case Studies in Construction Materials DOI: 10.1016/J.CSCM.2022.E01245 Web of Science accession number: WOS:000824742100003	44
<b>Ultra-high-performance geopolymer concrete: A review</b> Authors (8): Qaidi, Shaker M. A.; Atrushi, Dawood Sulaiman ... Najm, Hadee Mohammed Published: Sep 2022 in Construction and Building Materials DOI: 10.1016/J.CONBUILDMAT.2022.128495 Web of Science accession number: WOS:000844678000001	42
<b>Ultra-high-performance fiber-reinforced concrete. Part I: Developments, principles, raw materials</b> Authors (8): Akeed, Mahmoud H.; Qaidi, Shaker ... Azevedo, Afonso R. G. Published: Dec 2022 in Case Studies in Construction Materials DOI: 10.1016/J.CSCM.2022.E01290 Web of Science accession number: WOS:000824233800002	40
<b>Influence of polypropylene and steel fibers on the mechanical properties of ultra-high-performance fiber-reinforced geopolymer concrete</b> Authors (5): Aisheh, Yazan Issa Abu; Atrushi, Dawood Sulaiman ... Tayeh, Bassam A. Published: Dec 2022 in Case Studies in Construction Materials DOI: 10.1016/J.CSCM.2022.E01234 Web of Science accession number: WOS:000812571000003	39
<b>Mechanical properties of eco-friendly cements-based glass powder in aggressive medium</b> Authors (5): Almeshal, Ibrahim; Al-Tayeb, Mustafa M. ... Tayeh, Bassam A. Published: Apr 2022 in Materials Today: Proceedings DOI: 10.1016/J.MATPR.2022.03.613 Web of Science accession number: WOS:000832977300022	39

---

---

Ultra-high-performance fiber-reinforced concrete. Part III: Fresh and hardened properties Authors (8): Akeed, Mahmoud H.; Qaidi, Shaker ... Azevedo, Afonso R. G. Published: Dec 2022 in Case Studies in Construction Materials DOI: 10.1016/J.CSCM.2022.E01265 Web of Science accession number: WOS:000824211800006	38
Ultra-high-performance fiber-reinforced concrete. Part II: Hydration and microstructure Authors (8): Akeed, Mahmoud H.; Qaidi, Shaker ... Azevedo, Afonso R. G. Published: Dec 2022 in Case Studies in Construction Materials DOI: 10.1016/J.CSCM.2022.E01289 Web of Science accession number: WOS:000852652700002	36
Experimental and simulation study on the impact resistance of concrete to replace high amounts of fine aggregate with plastic waste Authors (4): Al-Tayeb, Mustafa Maher; Aisheh, Yazan I. Abu ... Tayeh, Bassam A. Published: Dec 2022 in Case Studies in Construction Materials DOI: 10.1016/J.CSCM.2022.E01324 Web of Science accession number: WOS:000860590700004	35
A Comprehensive Review on the Ground Granulated Blast Furnace Slag (GGBS) in Concrete Production Authors (8): Ahmad, Jawad; Kontoleon, Karolos J. ... Qaidi, Shaker M. A. Published: Jul 2022 in Sustainability DOI: 10.3390/SU14148783 Web of Science accession number: WOS:000832243900001	35
A review of the sustainable utilisation of red mud and fly ash for the production of geopolymer composites Authors (4): Qaidi, Shaker M. A.; Tayeh, Bassam A. ... Emad, Wael Published: Oct 2022 in Construction and Building Materials DOI: 10.1016/J.CONBUILDMAT.2022.128892 Web of Science accession number: WOS:000848237800002	33
Evaluating the influence of fly ash and waste glass on the characteristics of coconut fibers reinforced concrete Authors (7): Aslam, Fahid; Zaid, Osama ... Martinez-Garcia, Rebeca Published: Jun 2022 in Structural Concrete DOI: 10.1002/SUCO.202200183 Web of Science accession number: WOS:000810596500001	33
Influence of microsilica and polypropylene fibers on the fresh and mechanical properties of ultra-high performance geopolymer concrete (UHP-GPC) Authors (4): Tayeh, Bassam A.; Akeed, Mahmoud H. ... Abu Bakar, B. H. Published: Dec 2022 in Case Studies in Construction Materials DOI: 10.1016/J.CSCM.2022.E01367 Web of Science accession number: WOS:000843523600002	32

---

---

Rubberized geopolymer composites: A comprehensive review Authors (9): Qaidi, Shaker M. A.; Mohammed, Ahmed S. ... Sor, Nadhim Hamah Published: Sep 2022 in Ceramics International DOI: 10.1016/J.CERAMINT.2022.06.123 Web of Science accession number: WOS:000833821700002	31
Thermal conductivity and hardened behavior of eco-friendly concrete incorporating waste polypropylene as fine aggregate Authors (4): Ahmed, Sulaiman Nayef; Sor, Nadhim Hamah ... Qaidi, Shaker M. A. Published: Mar 2022 in Materials Today: Proceedings DOI: 10.1016/J.MATPR.2022.02.417 Web of Science accession number: WOS:000804385100017	28
Ultra-high-performance fiber-reinforced concrete. Part V: Mixture design, preparation, mixing, casting, and curing Authors (9): Akeed, Mahmoud H.; Qaidi, Shaker ... Azevedo, Afonso R. G. Published: Dec 2022 in Case Studies in Construction Materials DOI: 10.1016/J.CSCM.2022.E01363 Web of Science accession number: WOS:000843536500005	27
Metamodel techniques to estimate the compressive strength of UHPFRC using various mix proportions and a high range of curing temperatures Authors (9): Emad, Wael; Mohammed, Ahmed Salih ... Sihag, Parveen Published: Sep 2022 in Construction and Building Materials DOI: 10.1016/J.CONBUILDMAT.2022.128737 Web of Science accession number: WOS:000868422200002	27
Compressive strength of geopolymer concrete composites: a systematic comprehensive review, analysis and modeling Authors (6): Ahmed, Hemn Unis; Mohammed, Ahmed S. ... Mohammed, Azad A. Published: Feb 2023 in European Journal of Environmental and Civil Engineering DOI: 10.1080/19648189.2022.2083022 Web of Science accession number: WOS:000807016900001	25
Investigation of the effectiveness of CFRP strengthening of concrete made with recycled waste PET fine plastic aggregate Authors (10): Qaidi, Shaker; Al-Kamaki, Yaman S S ... Bennetts, Ian Published: Jul 2022 in Plos One DOI: 10.1371/JOURNAL.PONE.0269664 Web of Science accession number: MEDLINE:35830388	25
A Study on the Properties of Geopolymer Concrete Modified with Nano Graphene Oxide Authors (10): Maglad, Ahmed M.; Zaid, Osama ... De Prado-Gil, Jesus Published: Aug 2022 in Buildings DOI: 10.3390/BUILDINGS12081066 Web of Science accession number: WOS:000845099200001	22

---

---

<b>A Step towards Sustainable Concrete with Substitution of Plastic Waste in Concrete: Overview on Mechanical, Durability and Microstructure Analysis</b> Authors (7): Ahmad, Jawad; Majdi, Ali ... Qaidi, Shaker Published: Jul 2022 in Crystals DOI: 10.3390/CRYST12070944 Web of Science accession number: WOS:000831879900001	22
<hr/>	
<b>The Impact of Nano Clay on Normal and High-Performance Concrete Characteristics: A Review</b> Authors (4): Mansi, A.; Sor, N.H. ... Qaidi, S.M.A. Published: Jan 2022 in IOP Conference Series: Earth and Environmental Science DOI: 10.1088/1755-1315/961/1/012085 Web of Science accession number: INSPEC:21967013	20
<hr/>	
<b>Mine tailings-based geopolymers: A comprehensive review</b> Authors (7): He, Xiang; Yuhua, Zuhua ... Ahmad, Jawad Published: Sep 2022 in Ceramics International DOI: 10.1016/J.CERAMINT.2022.05.345 Web of Science accession number: WOS:000852996600002	19
<hr/>	
<b>The Present State of the Use of Waste Wood Ash as an Eco-Efficient Construction Material: A Review</b> Authors (8): Martinez-Garcia, Rebeca; Jagadesh, P. ... Gradinaru, Catalina M. Published: Aug 2022 in Materials DOI: 10.3390/MA15155349 Web of Science accession number: WOS:000839396800001	19
<hr/>	
<b>Influence of the proportion of materials on the rheology and mechanical strength of ultrahigh-performance concrete</b> Authors (4): Tayeh, Bassam A.; Akeed, Mahmoud H. ... Abu Bakar, B. H. Published: Dec 2022 in Case Studies in Construction Materials DOI: 10.1016/J.CSCM.2022.E01433 Web of Science accession number: WOS:000877224000001	17
<hr/>	
<b>Fly Ash-Based Geopolymer Composites: A Review of the Compressive Strength and Microstructure Analysis</b> Authors (9): Qaidi, Shaker; Najm, Hadee Mohammed ... Milad, Abdalrhman Published: Oct 2022 in Materials DOI: 10.3390/MA15207098 Web of Science accession number: WOS:000873216000001	17
<hr/>	
<b>Investigation of the physical-mechanical properties and durability of high-strength concrete with recycled PET as a partial replacement for fine aggregates</b> Authors (7): Qaidi, Shaker; Al-Kamaki, Yaman ... Sergeev, Vitaly Published: Jan 2023 in Frontiers in Materials DOI: 10.3389/FMATS.2023.1101146 Web of Science accession number: WOS:000920368400001	13

---

<p>3D printed geopolymers composites: A review</p> <p>Authors (6): Qaidi, S.; Yahia, A. ... Mohammed, A.</p> <p>Published: Dec 2022 in Materials Today Sustainability</p> <p>DOI: 10.1016/J.MTSUST.2022.100240</p> <p>Web of Science accession number: WOS:000882523800004</p>	11
<p>Prediction of concrete materials compressive strength using surrogate models</p> <p>Authors (8): Emad, Wael; Mohammed, Ahmed Salih ... Asteris, Panagiotis G.</p> <p>Published: Dec 2022 in Structures</p> <p>DOI: 10.1016/J.ISTRUC.2022.11.002</p> <p>Web of Science accession number: WOS:000907623000001</p>	10
<p>Influence of sand grain size distribution and supplementary cementitious materials on the compressive strength of ultrahigh-performance concrete</p> <p>Authors (4): Tayeh, Bassam A.; Akeed, Mahmoud H. ... Abu Bakar, B. H.</p> <p>Published: Dec 2022 in Case Studies in Construction Materials</p> <p>DOI: 10.1016/J.CSCM.2022.E01495</p> <p>Web of Science accession number: WOS:000863572000006</p>	10
<p>Investigation of the Physical Mechanical Properties and Durability of Sustainable Ultra-High Performance Concrete with Recycled Waste Glass</p> <p>Authors (5): Amin, Mohamed; Agwa, Ibrahim Saad ... Abd-Elrahman, Mahmoud H.</p> <p>Published: Feb 2023 in Sustainability</p> <p>DOI: 10.3390/SU15043085</p> <p>Web of Science accession number: WOS:000941433900001</p>	9
<p>Ultra-high-performance concrete: Impacts of steel fibre shape and content on flowability, compressive strength and modulus of rupture</p> <p>Authors (4): Tayeh, Bassam A.; Akeed, Mahmoud H. ... Abu Bakar, B. H.</p> <p>Published: Dec 2022 in Case Studies in Construction Materials</p> <p>DOI: 10.1016/J.CSCM.2022.E01615</p> <p>Web of Science accession number: WOS:000925907300006</p>	9
<p>Properties and Applications of Geopolymer Composites: A Review Study of Mechanical and Microstructural Properties</p> <p>Authors (7): Saeed, Ahmed; Najm, Hadee Mohammed ... Ansari, Khalid</p> <p>Published: Nov 2022 in Materials</p> <p>DOI: 10.3390/MA15228250</p> <p>Web of Science accession number: WOS:000887477900001</p>	9
<p>Behavior of Concrete Reinforced with Date Palm Fibers</p> <p>Authors (9): Althoey, Fadi; Hakeem, Ibrahim Y. ... Ali, Elias</p> <p>Published: Nov 2022 in Materials</p> <p>DOI: 10.3390/MA15227923</p> <p>Web of Science accession number: WOS:000887485200001</p>	9



<p>Influence of adding short carbon fibers on the flexural behavior of textile-reinforced concrete one-way slab</p> <p>Authors (6): Ibrahim, Amer M.; Abd, Suhad M. ... Qaidi, Shaker</p> <p>Published: Dec 2022 in Case Studies in Construction Materials</p> <p>DOI: 10.1016/J.CSCM.2022.E01601</p> <p>Web of Science accession number: WOS:000882420100001</p>	7
<p>Investigation of the use of textile carbon yarns as sustainable shear reinforcement in concrete beams</p> <p>Authors (5): Abd, Suhad M.; Mhaimed, Isam S. ... Qaidi, Shaker</p> <p>Published: Jul 2023 in Case Studies in Construction Materials</p> <p>DOI: 10.1016/J.CSCM.2022.E01765</p> <p>Web of Science accession number: WOS:000913465100001</p>	5
<p>Flamingo technique as an innovative method to improve the shear capacity of reinforced concrete beam</p> <p>Authors (5): Abd, Suhad M.; Mhaimed, Isam S. ... Qaidi, Shaker</p> <p>Published: Dec 2022 in Case Studies in Construction Materials</p> <p>DOI: 10.1016/J.CSCM.2022.E01618</p> <p>Web of Science accession number: WOS:000886080500002</p>	4
<p>Innovative modeling techniques including MEP, ANN and FQ to forecast the compressive strength of geopolymer concrete modified with nanoparticles</p> <p>Authors (7): Ahmed, Hemn Unis; Mohammed, Ahmed S. S. ... Mohammed, Azad A. A.</p> <p>Published: Jun 2023 in Neural Computing and Applications</p> <p>DOI: 10.1007/S00521-023-08378-3</p> <p>Web of Science accession number: WOS:000942148000002</p>	2
<p>Stabilization of Soft Soil by a Sustainable Binder Comprises Ground Granulated Blast Slag (GGBS) and Cement Kiln Dust (CKD)</p> <p>Authors (7): Al-Khafaji, Ruqayah; Dulaimi, Anmar ... Jwaida, Zahraa</p> <p>Published: Feb 2023 in Recycling</p> <p>DOI: 10.3390/RECYCLING8010010</p> <p>Web of Science accession number: WOS:000941781600001</p>	1
<p>Influence of Heat-Cool Cyclic Exposure on the Performance of Fiber-Reinforced High-Strength Concrete</p> <p>Authors (5): Hakeem, Ibrahim; Hosen, Md. Akter ... Oezkilic, Yasin</p> <p>Published: Jan 2023 in Sustainability</p> <p>DOI: 10.3390/SU15021433</p> <p>Web of Science accession number: WOS:000927702300001</p>	0
<p>Influence of Recycling Waste Glass as Fine Aggregate on the Concrete Properties</p> <p>Authors (6): Hadi, Rafal A.; Abd, Suhad M. ... Khedher, Khaled Mohamed</p> <p>Published: 2022 in Journal of Renewable Materials</p> <p>DOI: 10.32604/JRM.2023.025558</p> <p>Web of Science accession number: WOS:000889829400001</p>	0

## Shear Performance of Reinforced Expansive Concrete Beams Utilizing Aluminium Waste

Authors (10): Yasin Onuralp Özkılıç; Memduh Karalar ... Afonso R.G. Azevedo

Published: Apr 2023 in Journal of Materials Research and Technology

DOI: 10.1016/J.JMRT.2023.04.120

Not indexed in  
the Web of  
Science

## Geopolymer concrete as a cleaner construction material: An overview on materials and structural performances

Authors (8): Hemn Unis Ahmed; Lavan J. Mahmood ... Azad A. Mohammed

Published: Sep 2022 in Cleaner Materials

DOI: 10.1016/J.CLEMA.2022.100111

Not indexed in  
the Web of  
Science

## Performance of Self-Compacting mortars modified with Nanoparticles: A systematic review and modeling

Authors (6): Rabar H. Faraj; Hemn Unis Ahmed ... Shaker M.A. Qaidi

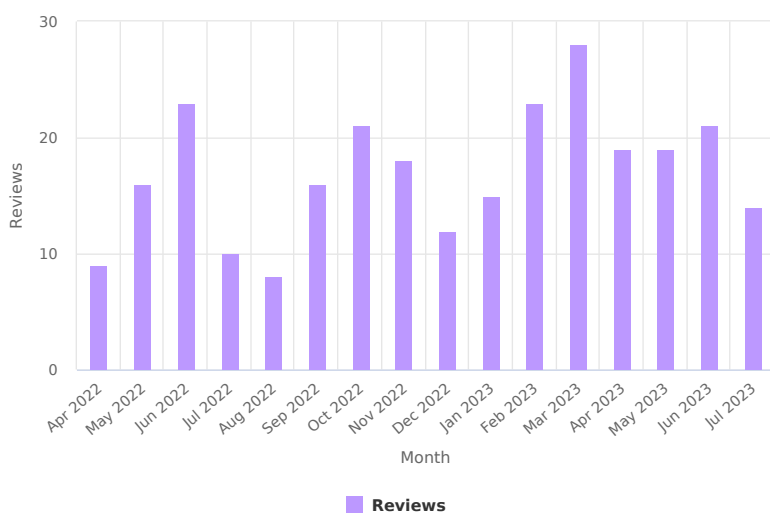
Published: Jun 2022 in Cleaner Materials

DOI: 10.1016/J.CLEMA.2022.100086

Not indexed in  
the Web of  
Science

## Verified reviews

### Review Summary



### Reviewer Summary

For manuscripts reviewed from date range July 2018 - July 2023

(57) Construction and Building Mate...	(42) Case Studies in Construction M...
(22) Ain Shams Engineering Journal	(11) Heliyon
(10) Steel & Composite structures	(7) Building and Environment
(7) Journal of Building Engineering	(7) Theoretical and Applied Fracture...
(6) Current Materials Science	(6) Polymers
(6) Energy and Buildings	(5) Journal of Cleaner Production

(5) Ceramics International	(5) Arabian Journal for Science and ...
(4) Plos One	(4) Materials
(4) Diamond and Related Materials	(4) Frontiers in Built Environment
(4) Sustainability	(3) Scientific Reports
(3) Journal of Building Pathology an...	(3) Civil and Sustainable Urban Engi...
(3) Journal of Nanomaterials	(3) Proceedings of Institution of Civil ...
(3) Materials Today: Proceedings	(2) Advances in Civil Engineering
(2) Journal of Hazardous Materials	(2) Composites Part B: Engineering
(2) Frontiers in Materials	(2) Innovative Infrastructure Solutions
(2) Sustainable Production and Cons...	(2) Frontiers in Mechanical Engineer...
(2) Buildings	(2) Journal of Natural Fibers
(2) Coatings	(2) International Journal of Molecula...
(2) Journal of Composites Science	(1) European Journal of Environment...
(1) Journal of Behavioral Education	(1) Computers and Concrete
(1) Clean Technologies and Environ...	(1) Composite Structures
(1) Additive Manufacturing Letters	(1) Journal of Engineering and Appli...
(1) Probabilistic Engineering Mecha...	(1) Reviews on Advanced Materials ...
(1) Advances in Concrete Constructi...	(1) Open Science Journal
(1) Waste	(1) Proceedings of Institution of Civil ...
(1) Cogent Engineering	

## Beamplot Summary

