# Table 1

Top-10 most productive authors

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Author Name** | **Country** | **Number of publications** | **Number of citations** | **Average citations per publications** |
| 1 | De Brito, J. | Portugal | 42 | 1875 | 44.64 |
| 2 | Arulrajah, A. | Australia | 26 | 695 | 26.73 |
| 3 | Poon, C. S. | Hong Kong | 23 | 842 | 36.61 |
| 4 | Gonzalez-Fonteboa, B. | Spain | 20 | 436 | 21.80 |
| 4 | Singh, B. | India | 20 | 122 | 6.10 |
| 6 | Martinez-Abella, F. | Spain | 18 | 394 | 21.89 |
| 7 | Perez, I. | Spain | 17 | 238 | 14.00 |
| 8 | Evangelista, L. | Portugal | 15 | 1070 | 71.33 |
| 9 | Horpibulsuk, S. | Thailand | 14 | 304 | 21.71 |
| 10 | Singh, S.P. | India | 13 | 110 | 8.46 |

# Table 2

Top-10 of most active institutions in recycled concrete research

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Institution** | **Country** | **Number of Publications** |
| 1 | Universidade da Coruña | Spain | 43 |
| 2 | Swinburne University of Technology | Australia | 27 |
| 3 | Hong Kong Polytechnic University | Hong Kong, China | 27 |
| 4 | University of Lisbon | Portugal | 27 |
| 5 | Polytechnic University of Catalonia | Spain | 18 |
| 6 | Universidad de Córdoba | Spain | 15 |
| 7 | Suranaree University of Technology | Thailand | 14 |
| 7 | Indian Institute of Technology Roorkee | India | 14 |
| 7 | Tongji University | China | 14 |
| 7 | Nanyang Technological University | Singapore | 14 |

# Table 3

Top-10 of the most active journals publishing recycled concrete research

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Journal title** | **NP** | **NC** | **IF** | **SC** |
| 1 | Construction and Building Materials | 257 | 6789 | 4.046 | Construction & Building Technology  Engineering, Civil  Materials Science, Multidisciplinary |
| 2 | Journal of Cleaner Production | 56 | 1903 | 6.395 | Engineering, Environmental  Environmental Sciences  Green & Sustainable Science & Technology |
| 3 | Journal of Materials in Civil Engineering | 51 | 1198 | 1.984 | Construction & Building Technology  Engineering, Civil  Materials Science, Multidisciplinary |
| 4 | Cement and Concrete Composites | 38 | 1599 | 5.172 | Construction & Building Technology  Materials Science, Composites |
| 5 | Materials and Structures | 30 | 647 | 2.023 | Construction & Building Technology  Materials Science, Multidisciplinary |
| 6 | Transportation Research Record | 26 | 135 | 0.748 | Engineering, Civil  Transportation Science & Technology |
| 7 | Magazine of Concrete Research | 24 | 307 | 2.026 | Construction & Building Technology  Materials Science, Multidisciplinary |
| 8 | Waste Management | 21 | 808 | 5.431 | Engineering, Environmental  Environmental Sciences |
| 9 | Cement and Concrete Research | 20 | 1599 | 5.613 | Construction & Building Technology  Materials Science, Multidisciplinary |
| 9 | ACI Materials Journal | 20 | 365 | 1.453 | Construction & Building Technology  Materials Science, Multidisciplinary |

NP= Number of publications; NC = Number of citations; IF = Impact factor (2018 Journal Citation Reports®) and SC = Subject category of journal (2018 Journal Citation Reports®)

# Table 4

Frequency of occurrence of key terms over time

|  |  |  |
| --- | --- | --- |
| **1983-1994** | **1995-2006** | **2007-2018** |
| Cement (4) | Recycled concrete (14) | Recycled concrete (827) |
| Concrete (4) | Recycled aggregate (11) | Concrete (751) |
| Calcium silicate (4) | Effect (9) | Compressive strength (356) |
| Calcium hydroxide (3) | Performance (9) | Aggregate (354) |
| Recycled concrete (3) | Recycling (6) | Specimen (243) |
| Fly ash (2) | Time (6) | Demolition (194) |
| Old concrete (2) | Water cement ratio (6) | Modulus (171) |
| Portland cement (2) | Experiment (5) | Experiment (142) |
| Sand lime (2) | Conventional concrete (4) | Water absorption (122) |
| Siliceous particle (2) | Flexural strength (4) | Density (106) |
|  | Recycled coarse aggregate (4) | Fly ash (91) |
|  | Shrinkage (4) | Comparison (73) |
|  |  | Shrinkage (72) |