**Table 1**

Statistics on the earliest time and the number of results for RL-based EMSs for all universities and institutions.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Universities and institutions |  | Year | Universities and institutions | | |  |
| 2012 | National Chiayi University | 2 | 2021 | Fuzhou University | | | 3 |
| 2013 | National Taiwan University | 1 | Hanyang University | | | 2 |
| 2014 | University of Michigan | 2 | Nanjing University of Aeronautics and Astronautics | | | 3 |
| University of Southern California | 2 | National Taiwan Normal University | | | 1 |
| 2015 | Zhejiang University | 2 | Ningbo Tech University | | | 1 |
| 2016 | Beijing Institute of Technology | 54 | RWTH Aachen University | | | 4 |
| University of California | 3 | Southwest Jiaotong University | | | 1 |
| 2017 | Chinese Academy of Sciences | 8 | Tsinghua University | | | 4 |
| 2018 | Carleton University | 1 | University of Beijing Jiaotong | | | 1 |
| Jilin University | 10 | University of Technology and Applied Sciences–IBRA | | | 1 |
| Kunming University of Science and Technology | 3 | Yanshan University | | | 3 |
| Northeastern University, USA | 2 | 2022 | Beihang University | | | 2 |
| Sadjad University of Technology | 1 | Chang’an University | | | 1 |
| Shanghai Jiao Tong University | 4 | General Motors Company | | | 1 |
| Université de Carthage | 1 | Guangxi University | | | 1 |
| University of Waterloo | 3 | Northeastern University, CHINA | | | 1 |
| 2019 | Beijing University of Technology | 7 | Northwestern Polytechnical University | | | 1 |
| Chongqing Jiao TongUniversity | 1 | Politecnico di Torino | | | 2 |
| Chongqing University | 17 | Shandong JiaoTong University | | | 1 |
| Ghent University | 1 | Shandong University | | | 5 |
| Liaocheng University | 3 | Sichuan University | | | 1 |
| McMaster University | 5 | South China University of Technology | | | 1 |
| Norwegian University of Science and Technology | 1 | Taiyuan University of Science and Technology | | | 1 |
| R&D electronics BMW AG | 1 | The University of Oklahoma | | | 2 |
| Sophia University | 1 | Tianjin University | | | 3 |
| Southeast University | 7 | Universit´e du Quebec `a Trois-Rivi`eres | | | 1 |
| Technische Universit¨at Dresden | 3 | University of Technology Sydney | | | 1 |
| University of Birmingham | 3 | Wenzhou University | | | 2 |
| University of Minnesota | 5 | Wuhan University of Technology | | | 2 |
| University of Sheffield | 1 | Zhengzhou University | | | 2 |
| Vitesco Technologies | 1 | 2023 | Addis Ababa Science and Technology University | | | 1 |
| VJTI | 1 | AVL List GmbH | | | 1 |
| 2020 | Clemson University | 9 | Imperial College London | | | 1 |
| Dalian University of Technology | 1 | Malaviya National Institute of Technology | | | 1 |
| Henan University of Science and Technology | 5 | North University of China | | | 1 |
| Seoul National University | 6 | Qingdao University | | | 3 |
| The Ohio State University | 1 | Sharif University of Technology | | | 1 |
| Université de Tunis El Manar | 1 | Sichuan University of Science and Engineering | | | 2 |
| University of Michigan–Dearborn | 1 | Tarsus University | | | 1 |
| University of Victoria | 1 | Teesside University | | | 1 |
| Vellore Institute of Technology | 1 | University of Science and Technology of China | | | 1 |
| Yangtze Normal University | 1 | Xi’an Jiaotong University | | | 1 |
| 2021 | Aix-Marseille University | 4 | Xiamen University | | | 1 |
| Chongqing University of Technology | 5 | Zhejiang Geely Holding Group | | | 1 |
| Dongguan University of Technology | 1 | Total | | 89 universities and institutions | 266 research papers | |

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