Table 6: Co-authorship Structural Network in Machine Learning

|  |  |  |
| --- | --- | --- |
| Country | Documents | Total Link Strength |
| United States | 1352 | 601 |
| China | 1014 | 413 |
| United Kingdom | 470 | 388 |
| Germany | 290 | 234 |
| Australia | 215 | 205 |
| France | 171 | 161 |
| Canada | 195 | 158 |
| Spain | 171 | 161 |
| Italy | 216 | 123 |
| Netherlands | 108 | 104 |
| Singapore | 87 | 88 |
| Switzerland | 91 | 88 |
| India | 272 | 65 |
| South Korea | 148 | 65 |
| Sweden | 73 | 61 |
| Japan | 154 | 56 |
| Belgium | 65 | 53 |
| Denmark | 49 | 53 |
| Finland | 62 | 53 |
| Norway | 29 | 52 |
| Poland | 103 | 52 |
| Portugal | 56 | 50 |
| Taiwan | 113 | 50 |
| Malaysia | 82 | 48 |
| Iran | 79 | 46 |
| Austria | 50 | 43 |
| Ireland | 31 | 43 |
| Brazil | 102 | 42 |
| Greece | 42 | 30 |
| Saudi Arabia | 31 | 30 |
| Russia | 69 | 28 |
| Turkey | 74 | 28 |
| Egypt | 37 | 27 |
| Pakistan | 37 | 27 |
| New Zealand | 30 | 25 |
| Vietnam | 15 | 25 |
| Mexico | 32 | 23 |
| Israel | 48 | 22 |
| Hungary | 14 | 18 |
| Romania | 25 | 16 |
| Algeria | 8 | 15 |
| South Africa | 29 | 15 |
| United Arab Emirate | 15 | 15 |
| Indonesia | 90 | 14 |
| Qatar | 7 | 14 |
| Colombia | 14 | 12 |
| Ecuador | 26 | 11 |
| Czechia | 20 | 10 |
| Serbia | 14 | 10 |
| Chile | 14 | 9 |

Table 7: Coupling Structural Network in Machine Learning

|  |  |  |
| --- | --- | --- |
| Source | Documents | Total Link Strength |
| Lecture Notes in Computer Science | 467 | 8618 |
| IEEE Acess | 94 | 3500 |
| Plos One | 129 | 3140 |
| Bmc Bioinformatics | 42 | 1893 |
| IEEE Transactions on image processing | 33 | 1769 |
| IEEE Transactions on pattern analysis and machine learning | 29 | 1735 |
| Sensors | 56 | 1622 |
| Advances in Intelligent systems and computing | 137 | 1621 |
| Studies in Computational intelligence | 41 | 1214 |
| Proceedings of Spie | 101 | 1189 |
| Multimedia tools and application | 33 | 1078 |
| Bmc genomics | 27 | 1032 |
| Neural computing and application | 33 | 1078 |
| Biorxiv | 44 | 950 |
| IEEE journal of biomedical and health informatics | 22 | 934 |
| IEEE transactions on neural networks and learning | 30 | 863 |
| IEEE transactions on medical imaging | 9 | 729 |
| Neural Networks | 20 | 768 |
| IEEE transactions on geoscience and remote sensing | 18 | 1682 |
| IEEE transactions on multimedia | 14 | 578 |
| Neural computation | 8 | 563 |
| IEEE transaction on circuits and systems for video | 8 | 557 |
| Springer handbooks of computational statistics | 11 | 551 |
| Knowledge and Information systems | 21 | 548 |
| Remote sensing | 11 | 539 |
| Journal of biomedical informatics | 11 | 539 |
| Neuroimage | 23 | 539 |
| Artificial intelligence in medicine | 12 | 516 |
| Computer methods and programs in biomedicine | 13 | 513 |
| IEEE transactions on signal processing | 22 | 507 |
| Computational and mathematical methods in medicine | 11 | 498 |
| IEEE transactions on signal processing | 21 | 495 |
| Communication in computer and information science | 63 | 481 |
| Scientific reports | 11 | 448 |
| Bioinformatics | 18 | 429 |
| Machine Learning | 12 | 412 |
| Plos computational biology | 15 | 409 |
| Medical image analysis | 7 | 404 |
| International Journal of computer vision | 6 | 402 |
| Artificial intelligence review | 11 | 392 |
| International journal of machine learning and cybersecurity | 14 | 379 |
| IEEE transactions on visualization and computer graphics | 6 | 375 |
| Springerbriefs in computer science | 5 | 375 |
| Algorithms in computational molecular biology | 10 | 367 |
| Entropy | 12 | 359 |
| Bmc system biology | 14 | 352 |
| Computers in biology and medicine | 12 | 343 |
| Neuroscience | 5 | 343 |
| Soft computing | 13 | 341 |
| The scientific world journal | 18 | 306 |