

Table S23. Nine disciplines in the computer engineering subcategory and the numbers of total and OA documents in 2000–2021 and 2021

Disciplines	OA / Total 2000-21	OA % 2000-21	OA / Total 2021	OA% 2021
Computer Science Information Systems	220,397 / 923,310	23.9%	36,493 / 73,070	49.9%
Computer Science Software Engineering	92,820 / 444,024	20.9%	10,210 / 30,332	33.7%
Computer Science Theory Methods	196,592 / 1,064,426	18.5%	15,279 / 48,818	31.3%
Computer Science Interdisciplinary Applications	115,245 / 624,063	18.5%	12,638 / 42,580	29.7%
Telecommunications	159,867 / 912,505	17.5%	23,997 / 56,989	42.1%
Computer Science Artificial Intelligence	152,926 / 1,025,027	14.9%	21,436 / 67,926	31.6%
Automation Control Systems	78,852 / 574,448	13.7%	9,446 / 30,899	30.6%
Computer Science Cybernetics	16,449 / 125,085	13.2%	1,694 / 8,096	20.9%
Computer Science Hardware Architecture	44,490 / 357,240	12.5%	3,897 / 18,377	21.2%
sum	712,959 / 3,954,395	18.0%	84,288 / 228,652	36.9%