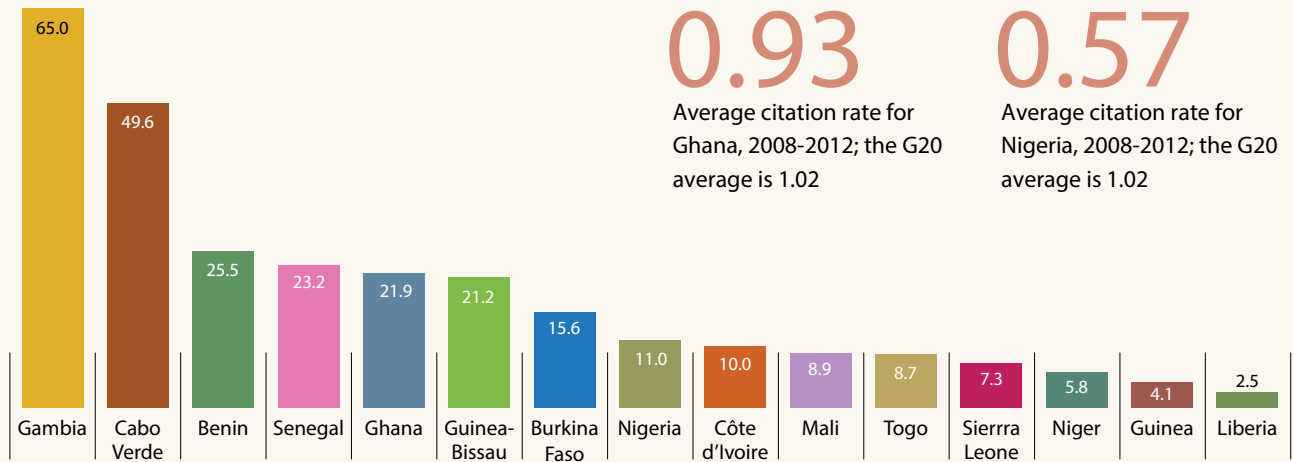


Figure 18.6: Scientific publication trends in West Africa, 2005–2014

Scientists from Gambia and Cabo Verde publish most in international journals

Per million inhabitants, 2014



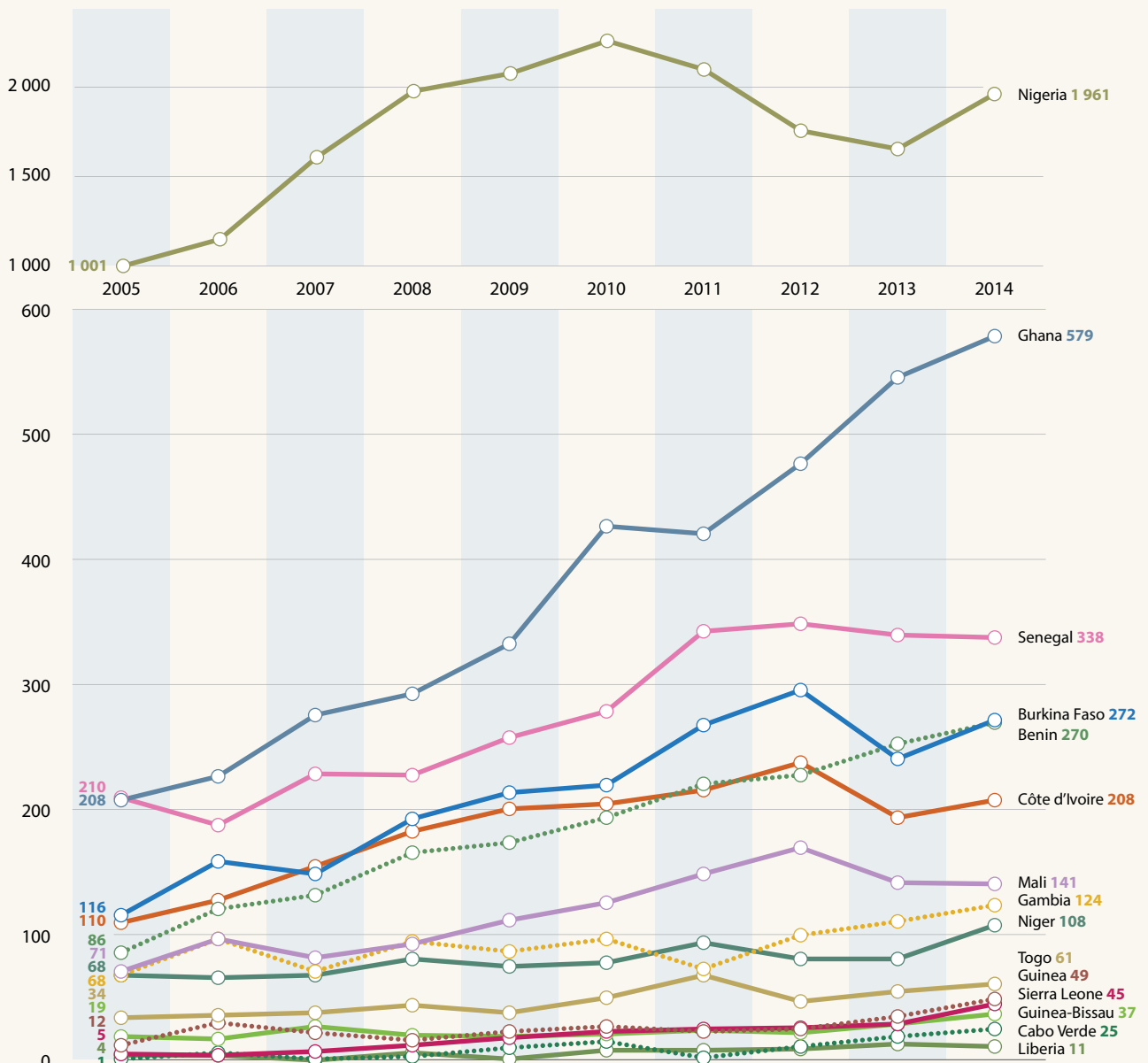
0.93

Average citation rate for Ghana, 2008-2012; the G20 average is 1.02

0.57

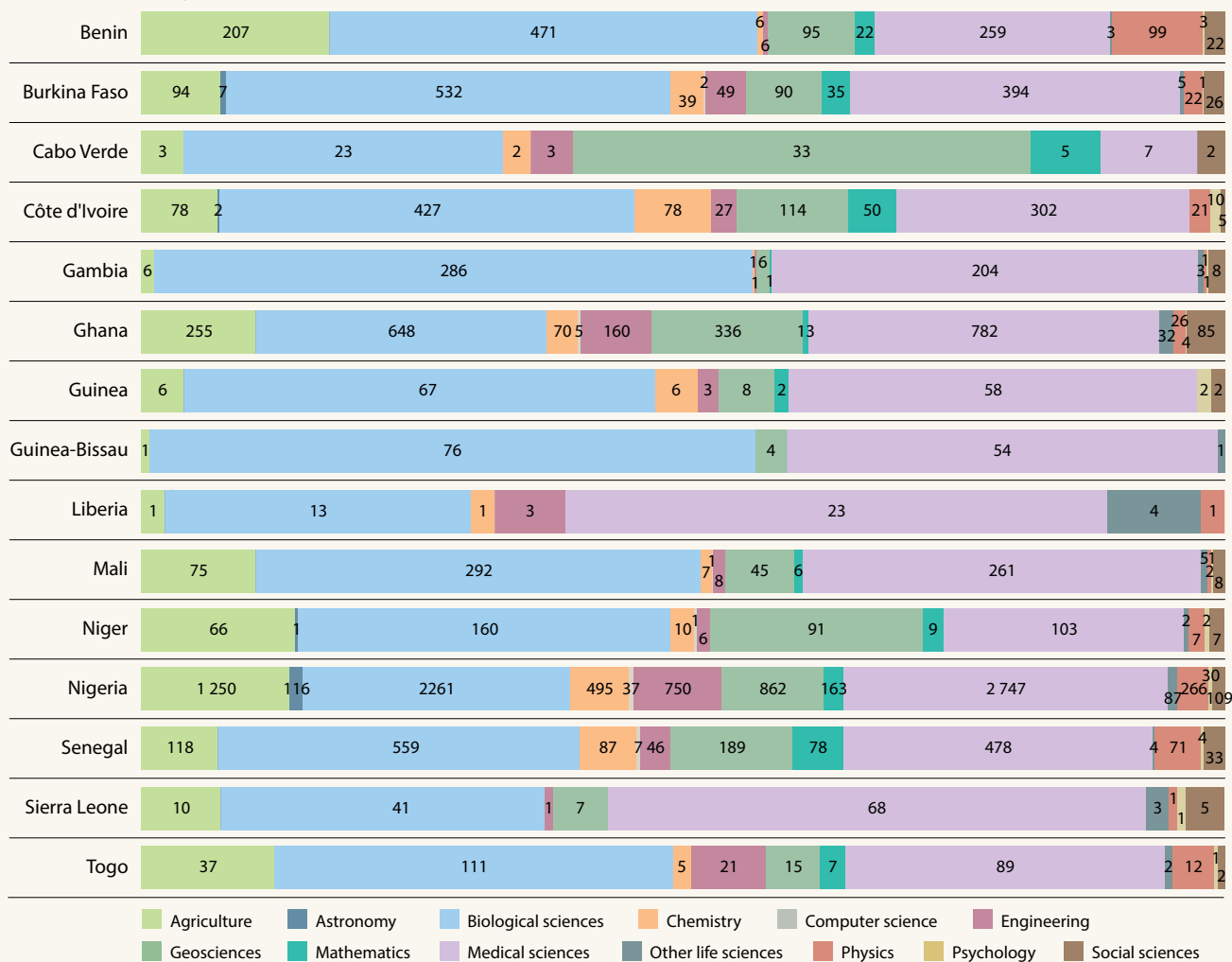
Average citation rate for Nigeria, 2008-2012; the G20 average is 1.02

Ghana now has the second-biggest volume of output after Nigeria



West African scientists publish much more in health than in agriculture

Cumulative totals by field, 2008–2014



Note: Totals exclude unclassified articles.

A wide range of scientific partners, including in Africa

Main foreign partners, 2008–2014 (number of papers)

	1st collaborator	2nd collaborator	3rd collaborator	4th collaborator	5th collaborator
Benin	France (529)	Belgium (206)	USA (155)	UK (133)	Netherlands (125)
Burkina Faso	France (676)	USA (261)	UK (254)	Belgium (198)	Germany (156)
Cabo Verde	Portugal (42)	Spain (23)	UK (15)	USA (11)	Germany (8)
Côte d'Ivoire	France (610)	USA (183)	Switzerland (162)	UK (109)	Burkina Faso (93)
Gambia	UK (473)	USA (216)	Belgium (92)	Netherlands (69)	Kenya (67)
Ghana	USA (830)	UK (636)	Germany (291)	South Africa (260)	Netherlands (256)
Guinea	France (71)	UK (38)	USA (31)	China (27)	Senegal (26)
Guinea-Bissau	Denmark (112)	Sweden (50)	Gambia /UK (40)	–	USA (24)
Liberia	USA (36)	UK (12)	France (11)	Ghana (6)	Canada (5)
Mali	USA (358)	France (281)	UK (155)	Burkina Faso (120)	Senegal (97)
Niger	France (238)	USA (145)	Nigeria (82)	UK (77)	Senegal (71)
Nigeria	USA (1309)	South Africa (953)	UK (914)	Germany (434)	China (329)
Senegal	France (1009)	USA (403)	UK (186)	Burkina Faso (154)	Belgium (139)
Sierra Leone	USA (87)	UK (41)	Nigeria (20)	China/Germany (16)	–
Togo	France (146)	Benin (57)	USA (50)	Burkina Faso (47)	Côte d'Ivoire (31)

Source: Thomson Reuters' Web of Science, Science Citation Index Expanded, data treatment by Science–Metrix, November 2014