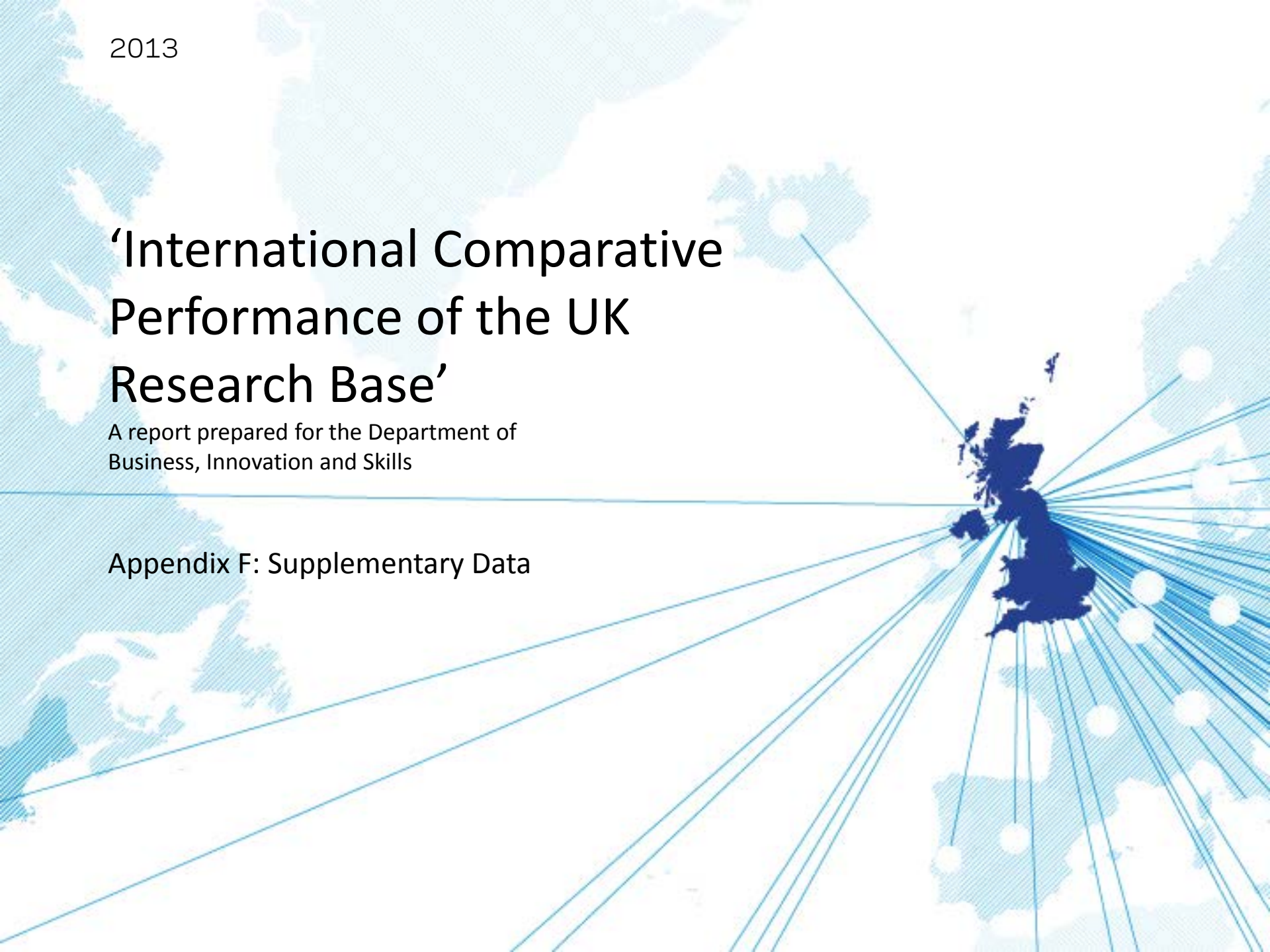


2013

# 'International Comparative Performance of the UK Research Base'

A report prepared for the Department of  
Business, Innovation and Skills

Appendix F: Supplementary Data



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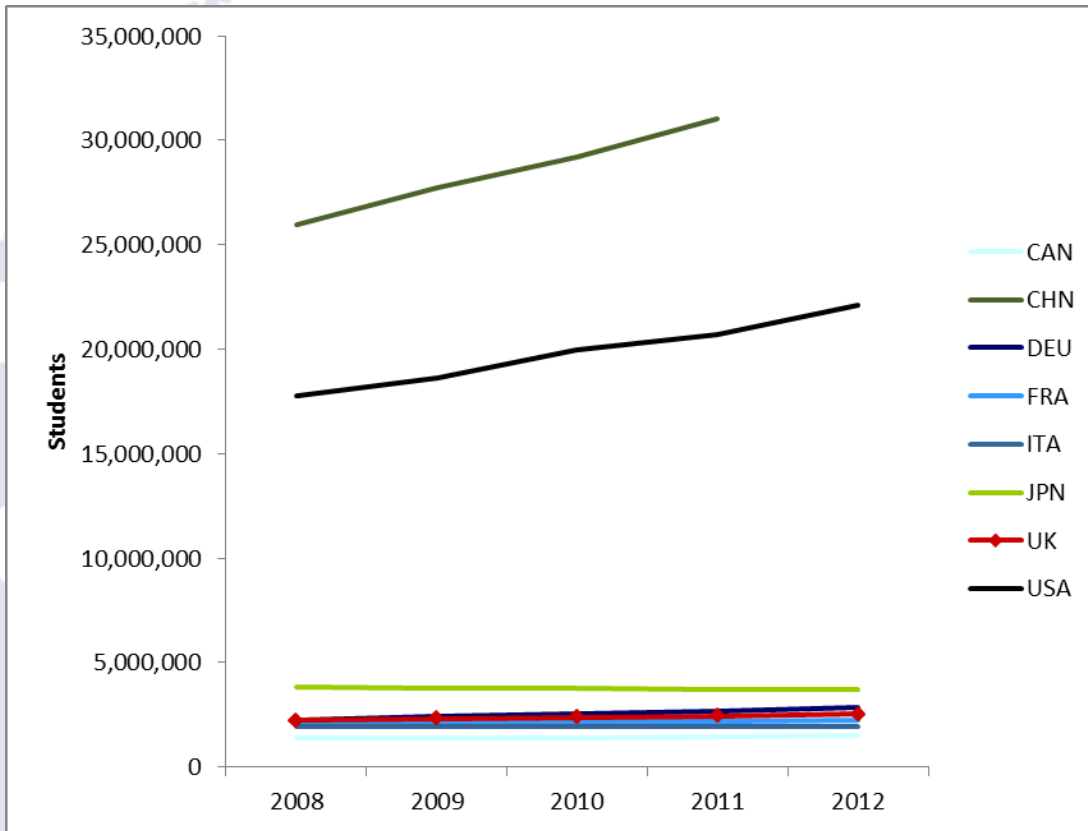
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# HUMAN CAPITAL

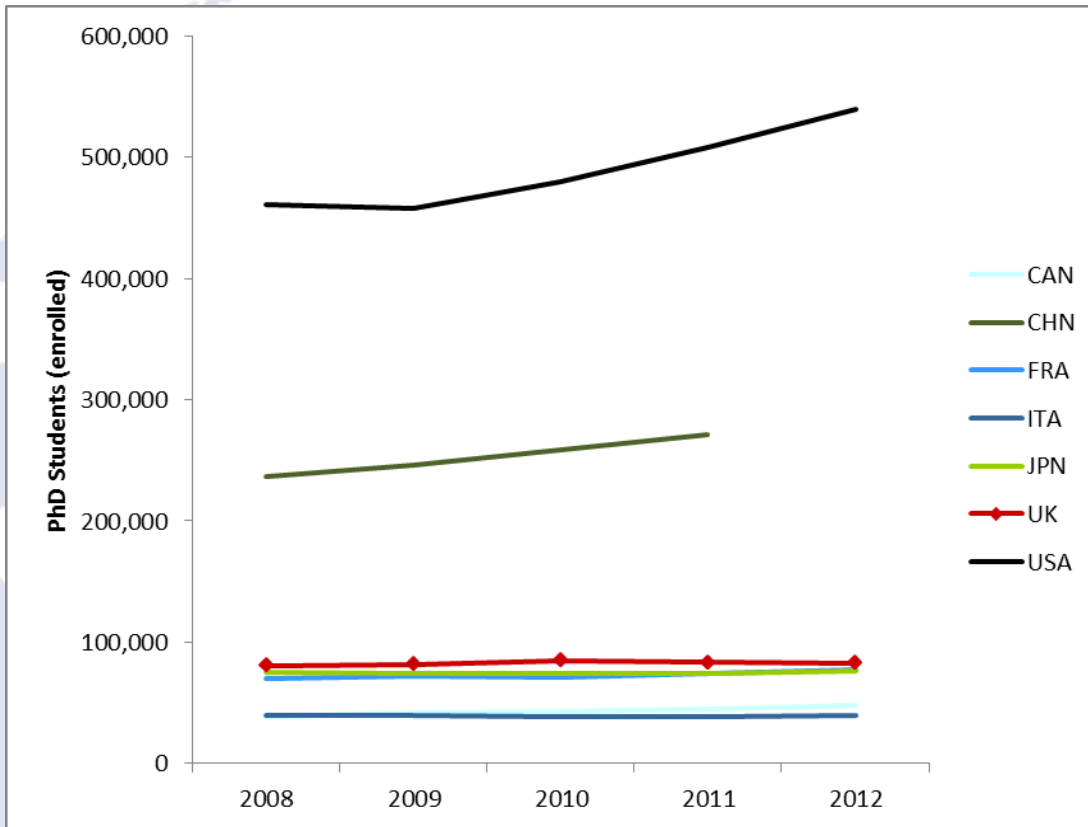
## Students – UK and comparator countries



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>2,248,588</b>	<b>2,526,518</b>	<b>277,930</b>	<b>2.96%</b>	-	-
G8	40,892,754	45,883,041	4,990,287	2.92%	4	5
EU 27	16,893,258	18,670,024	1,776,766	2.53%	1	2
OECD	88,380,874	91,193,648	2,812,774	0.79%	6	7

G8 rankings out of 8 (of 8) countries with available data  
 EU27 rankings out of 21 (of 27) countries with available data  
 OECD rankings out of 43 (42) countries with available data

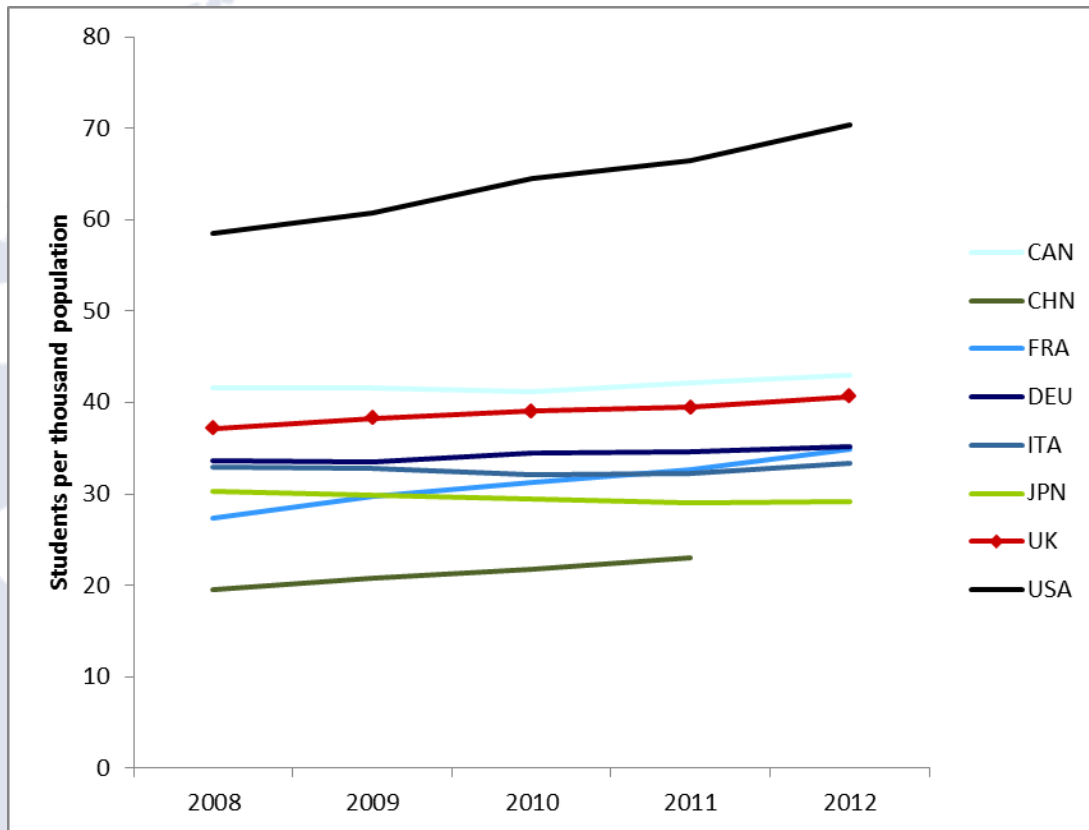
## PhD students (enrolled) – UK and comparator countries



	2008	2012	Change 08-12	CAGR 08-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>80,906</b>	<b>82,810</b>	<b>1,904</b>	<b>0.58%</b>	-	-
G8	916,230	1,030,199	113,969	2.97%	3	3
EU 27	461,337	537,627	76,290	3.90%	1	1
OECD	1,622,606	1,630,903	8,297	0.13%	2	2

G8 rankings out of 7 (of 8) countries with available data  
 EU27 rankings out of 21 (of 27) countries with available data  
 OECD rankings out of 38 (of 42) countries with available data

## Students per thousand population – UK and comparator countries

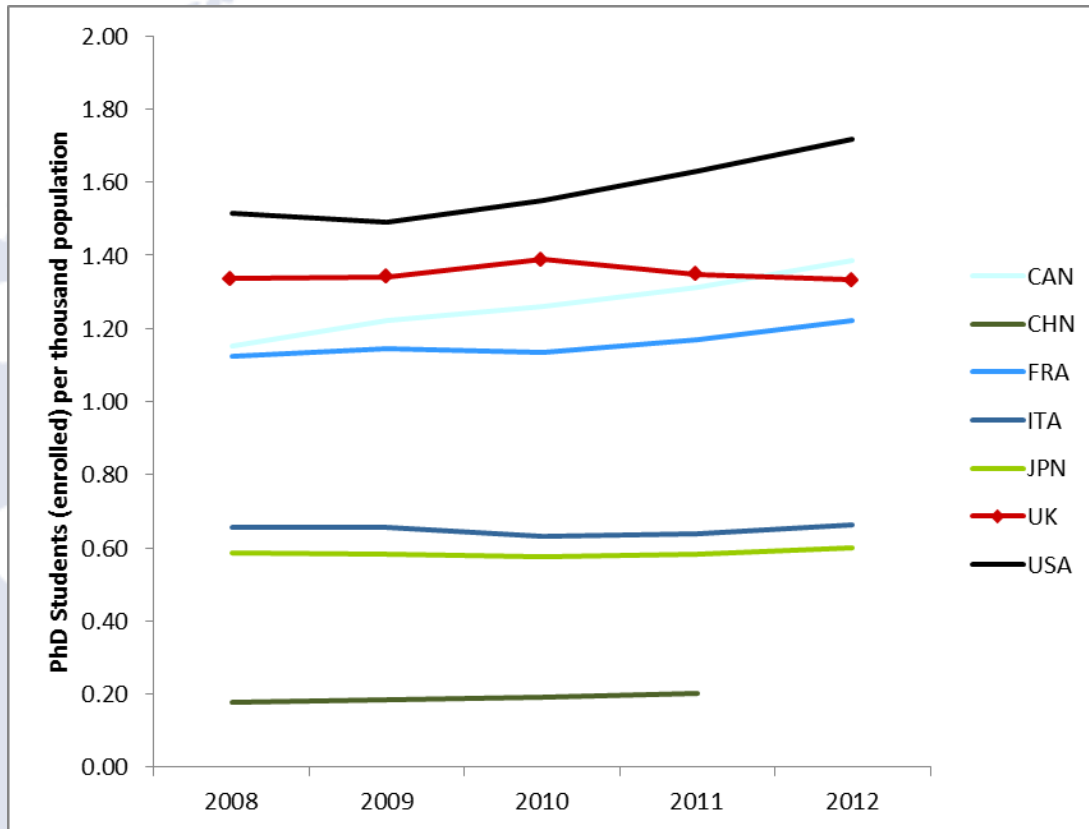


	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>37.14</b>	<b>40.65</b>	<b>3.51</b>	<b>2.28%</b>	-	-
G8	46.84	51.84	5.00	2.57%	4	4
EU 27	36.73	40.24	3.51	2.31%	12	15
OECD	26.32	29.94	3.62	3.27%	22	27

G8 rankings out of 8 (of 8) countries with available data  
 EU27 rankings out of 21 (of 27) countries with available data  
 OECD rankings out of 39 (42) countries with available data



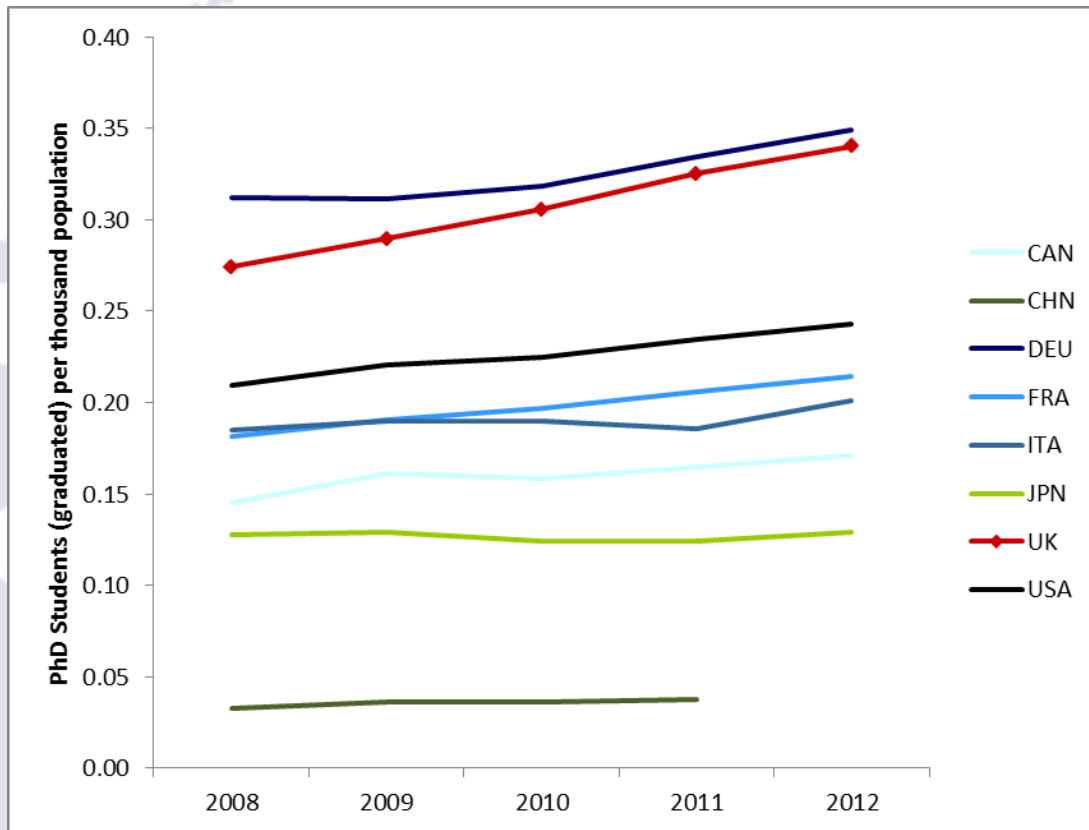
## PhD students (enrolled) per thousand population – UK and comparator countries



	2008	2012	Change 08-12	CAGR 08-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1.34</b>	<b>1.33</b>	<b>0.00</b>	<b>-0.08%</b>	-	-
G8	1.05	1.16	0.11	2.62%	1	2
EU 27	1.00	1.16	0.16	3.67%	3	4
OECD	0.59	0.59	-0.01	-0.35%	10	7

G8 rankings out of 6 (of 8) countries with available data  
 EU27 rankings out of 20 (of 27) countries with available data  
 OECD rankings out of 37 (42) countries with available data

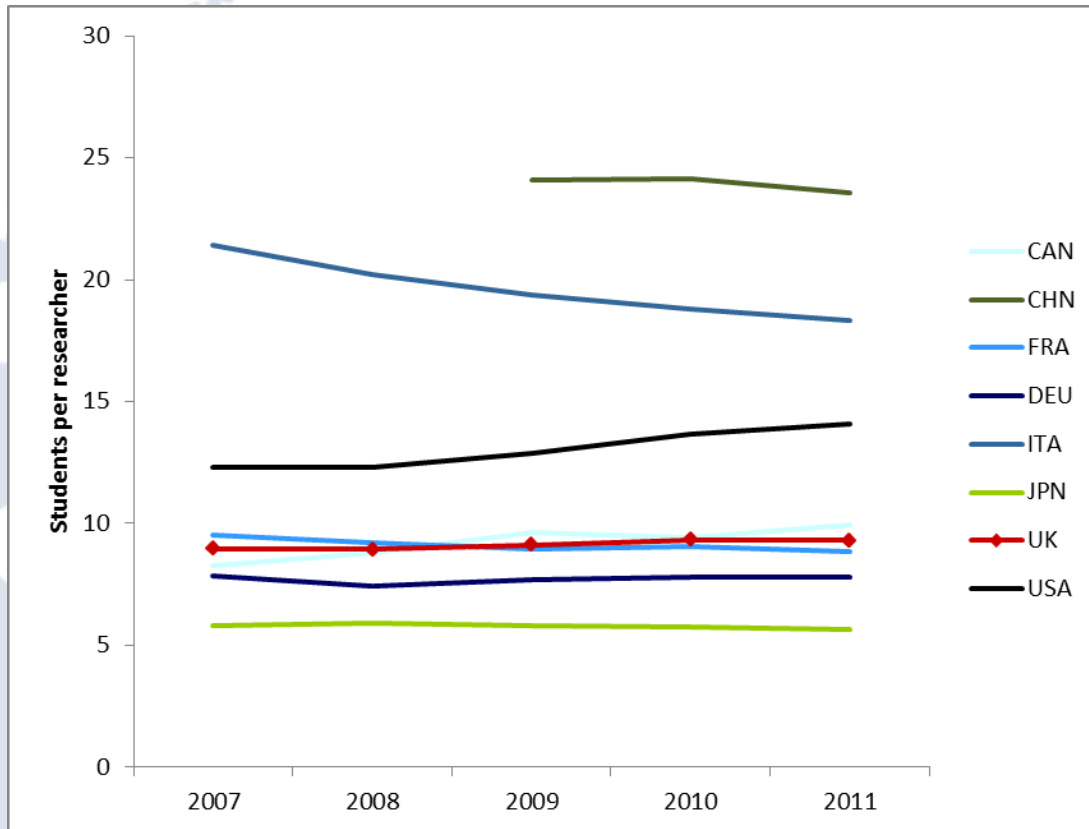
## PhD students (graduated) per thousand population – UK and comparator countries



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>0.27</b>	<b>0.34</b>	<b>0.07</b>	<b>5.54%</b>	-	-
G8	0.17	0.20	0.03	3.48%	2	2
EU 27	0.23	0.25	0.02	2.16%	6	4
OECD	0.10	0.09	-0.01	-1.66%	7	5

G8 rankings out of 7 (of 8) countries with available data  
 EU27 rankings out of 24 (of 27) countries with available data  
 OECD rankings out of 37 (42) countries with available data

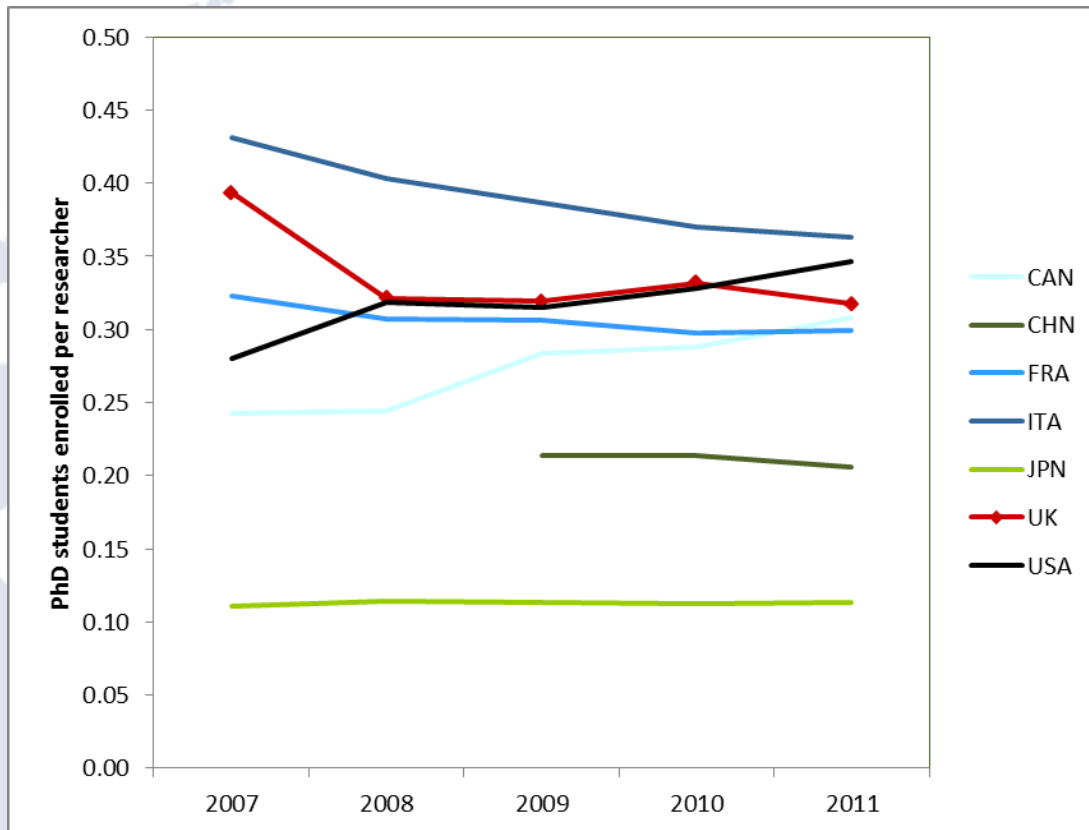
## Students per researcher – UK and comparator countries



	2007	2011	Change 07-11	CAGR 07-11	UK Rank 2007	UK Rank 2011
<b>UK</b>	<b>8.96</b>	<b>9.30</b>	<b>0.34</b>	<b>0.93%</b>	-	-
G8	11.31	12.04	0.74	1.59%	4	4
EU 27	11.97	11.46	-0.51	-1.08%	7	9
OECD	14.09	15.77	1.68	2.86%	12	13

G8 rankings out of 7 (of 8) countries with available data  
 EU27 rankings out of 21 (of 27) countries with available data  
 OECD rankings out of 36 (42) countries with available data

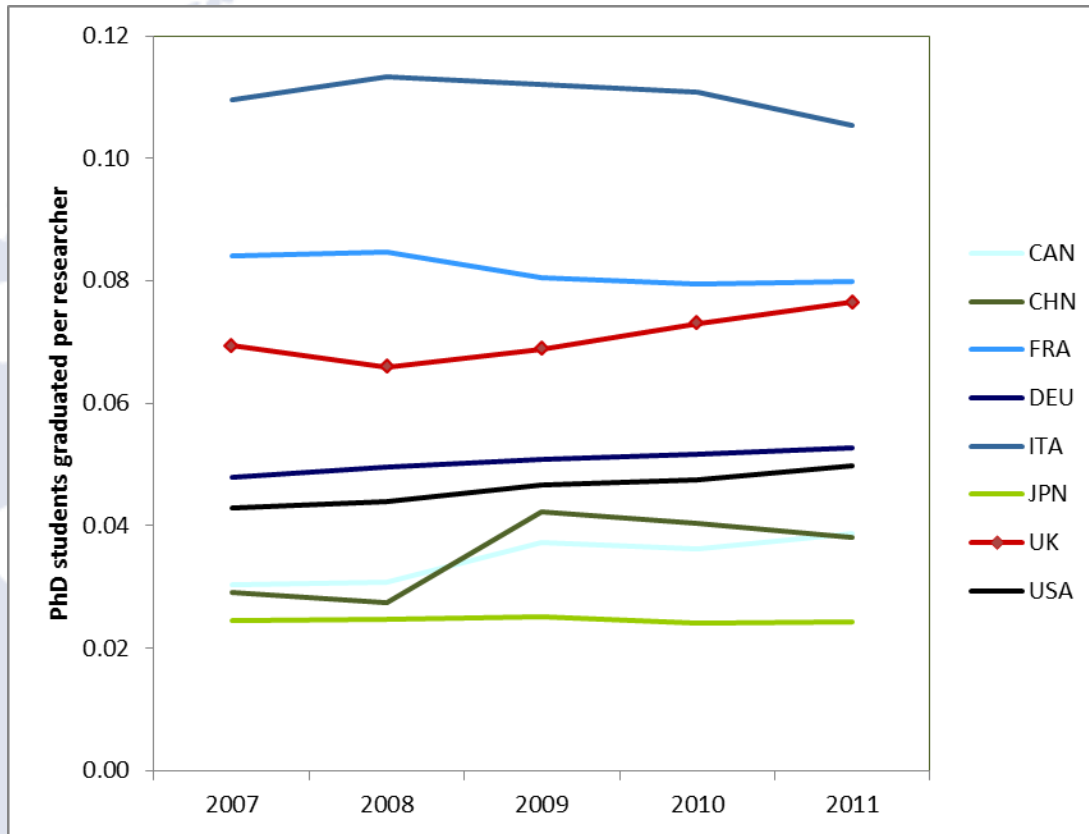
## PhD students (enrolled) per researcher – UK and comparator countries



	2007	2011	Change 07-11	CAGR 07-11	UK Rank 2007	UK Rank 2011
<b>UK</b>	<b>0.39</b>	<b>0.32</b>	<b>-0.076</b>	<b>-5.24%</b>	-	-
G8	0.26	0.30	0.03	2.91%	2	3
EU 27	0.35	0.32	-0.02	-1.78%	14	15
OECD	0.27	0.31	0.04	3.30%	19	22

G8 rankings out of 6 (of 8) countries with available data  
 EU27 rankings out of 20 (of 27) countries with available data  
 OECD rankings out of 37 (42) countries with available data

## PhD students (graduated) per researcher – UK and comparator countries



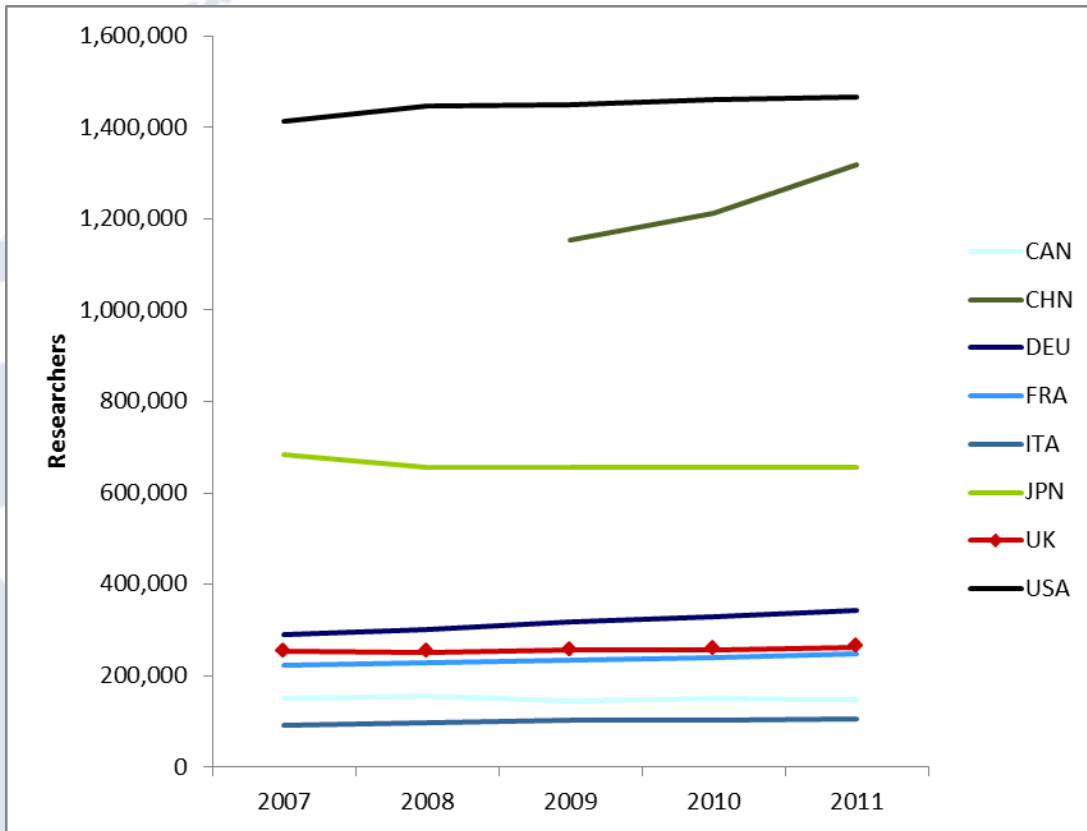
	2007	2011	Change 07-11	CAGR 07-11	UK Rank 2007	UK Rank 2011
<b>UK</b>	<b>0.07</b>	<b>0.08</b>	<b>0.01</b>	<b>2.46%</b>	-	-
G8	0.05	0.05	0.00	2.52%	3	3
EU 27	0.07	0.07	0.00	-1.63%	10	6
OECD	0.05	0.05	0.00	1.09%	12	9

G8 rankings out of 6 (of 8) countries with available data

EU27 rankings out of 20 (of 27) countries with available data

OECD rankings out of 36 (42) countries with available data

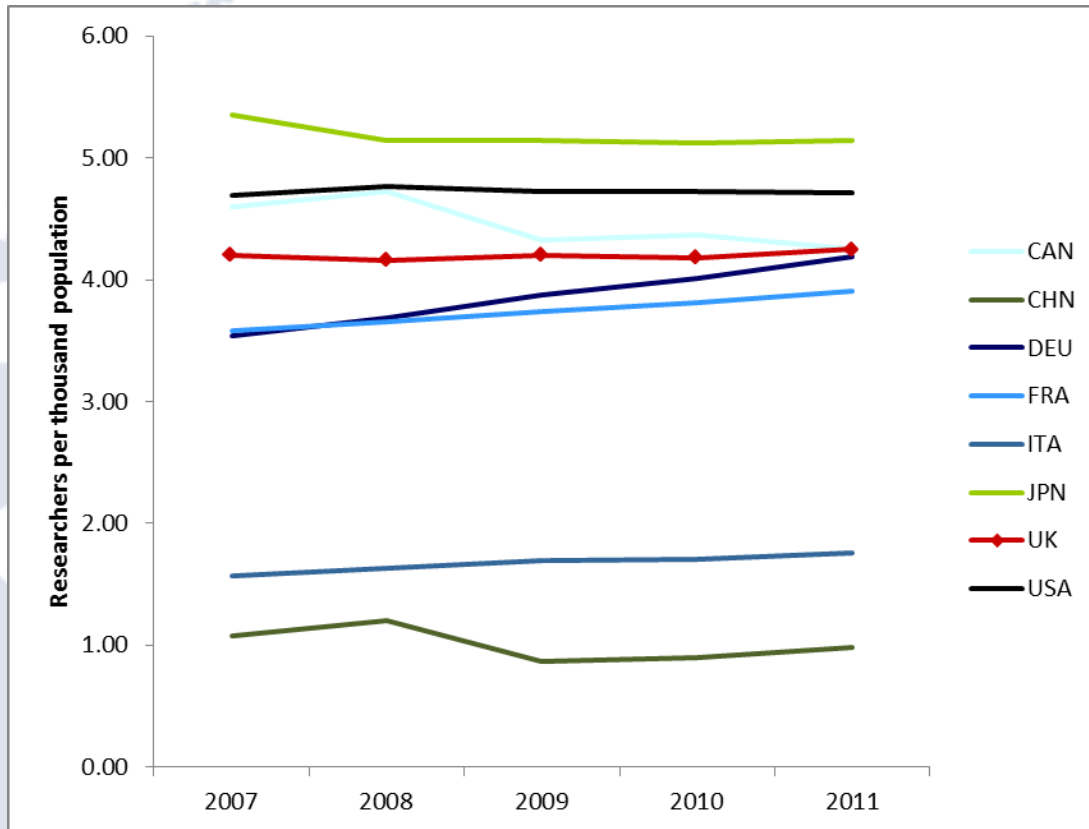
## Researchers – UK and comparator countries



	2007	2011	Change 07-11	CAGR 07-11	UK Rank 2007	UK Rank 2011
<b>UK</b>	<b>252,651</b>	<b>262,303</b>	<b>9652</b>	<b>0.94%</b>	-	-
G8	3,575,711	3,676,886	101,175	0.70%	5	5
EU 27	1,405,656	1,579,338	173,682	2.96%	2	2
OECD	6,227,713	6,472,130	244,417	0.97%	6	7

G8 rankings out of 8 (of 8) countries with available data  
 EU27 rankings out of 22 (of 27) countries with available data  
 OECD rankings out of 37 (42) countries with available data

## Researchers per thousand population – UK and comparator countries



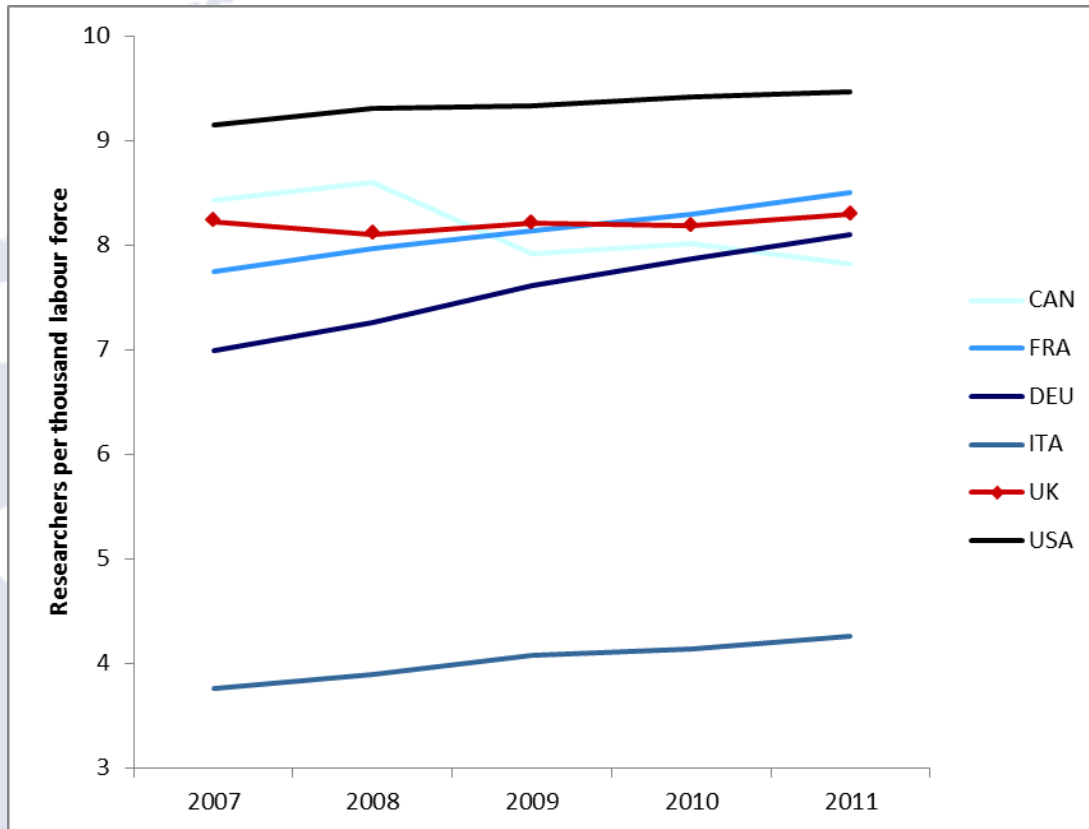
	2007	2011	Change 07-11	CAGR 07-11	UK Rank 2007	UK Rank 2011
<b>UK</b>	<b>4.20</b>	<b>4.25</b>	<b>0.05</b>	<b>0.27%</b>	-	-
G8	4.11	4.16	0.04	0.26%	4	4
EU 27	3.08	3.40	0.33	2.55%	5	9
OECD	2.26	2.29	0.03	0.31%	12	16

G8 rankings out of 8 (of 8) countries with available data

EU27 rankings out of 21 (of 27) countries with available data

OECD rankings out of 36 (42) countries with available data

## Researchers per thousand labour force – UK and comparator countries



	2007	2011	Change 07-11	CAGR 07-11	UK Rank 2007	UK Rank 2011
<b>UK</b>	<b>4.20</b>	<b>4.25</b>	<b>0.05</b>	<b>0.27%</b>	-	-
G8	4.11	4.16	0.04	0.26%	3	3
EU 27	3.08	3.40	0.33	2.55%	3	6
OECD	2.23	2.25	0.02	0.25%	6	9

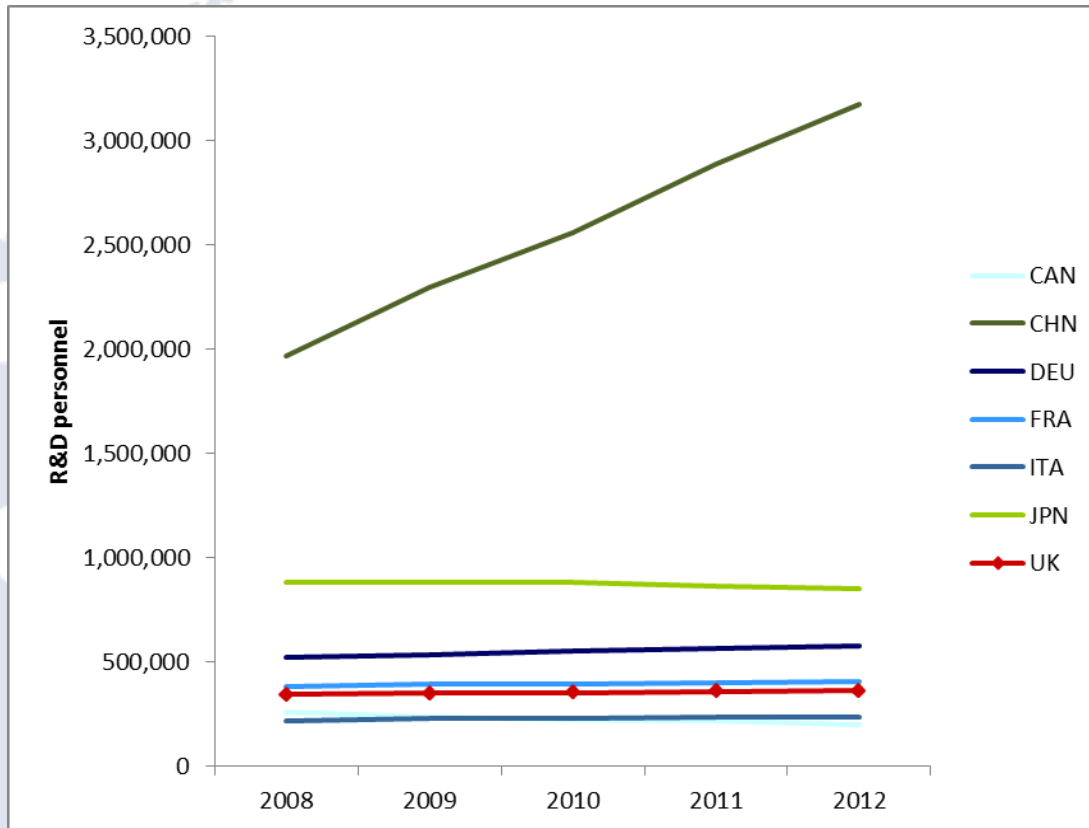
G8 rankings out of 5 (of 8) countries with available data

EU27 rankings out of 18 (of 27) countries with available data

OECD rankings out of 24 (42) countries with available data



## R&amp;D personnel – UK and comparator countries



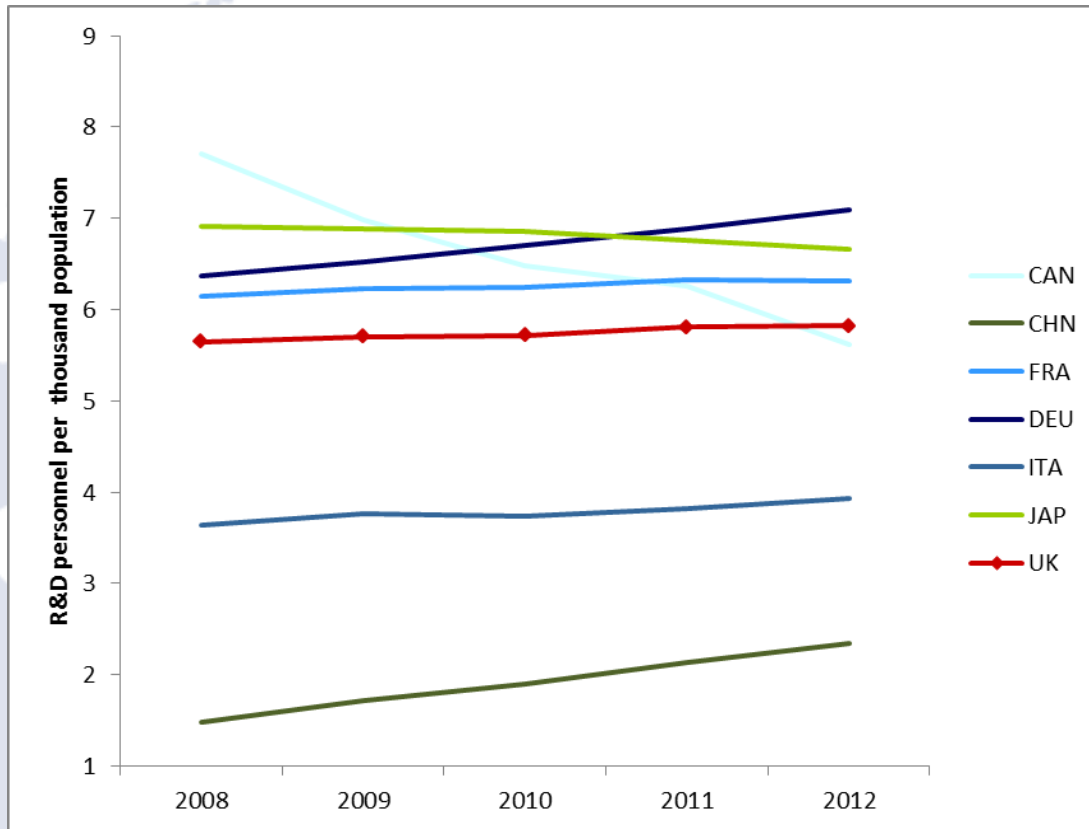
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>342.086</b>	<b>361.935</b>	<b>19.849</b>	<b>1.42%</b>	-	-
G8	3,474.147	3,440.555	-33.592	-0.24%	5	5
EU 27	2,410.097	2,555.754	145.657	1.48%	3	3
OECD	7,147.010	8,461.560	1,314.550	4.31%	6	7

G8 rankings out of 7 (of 8) countries with available data

EU27 rankings out of 22 (of 27) countries with available data

OECD rankings out of 36 (42) countries with available data

## R&amp;D personnel per thousand population – UK and comparator countries



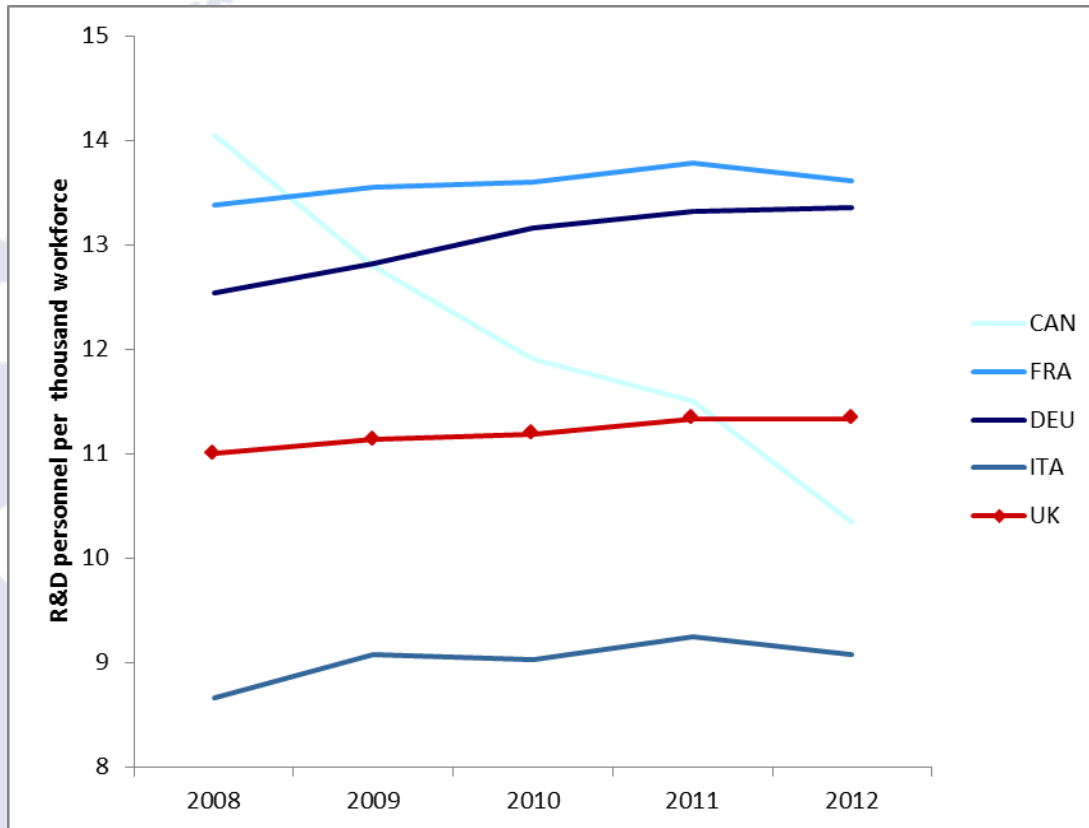
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>5.65</b>	<b>5.82</b>	<b>0.17</b>	<b>0.75%</b>	-	-
G8	6.11	6.02	-0.08	-0.34%	5	4
EU 27	5.24	5.50	0.27	1.26%	9	9
OECD	2.93	3.58	0.65	5.16%	18	17

G8 rankings out of 7 (of 8) countries with available data

EU27 rankings out of 20 (of 27) countries with available data

OECD rankings out of 35 (42) countries with available data

## R&amp;D personnel per thousand workforce – UK and comparator countries



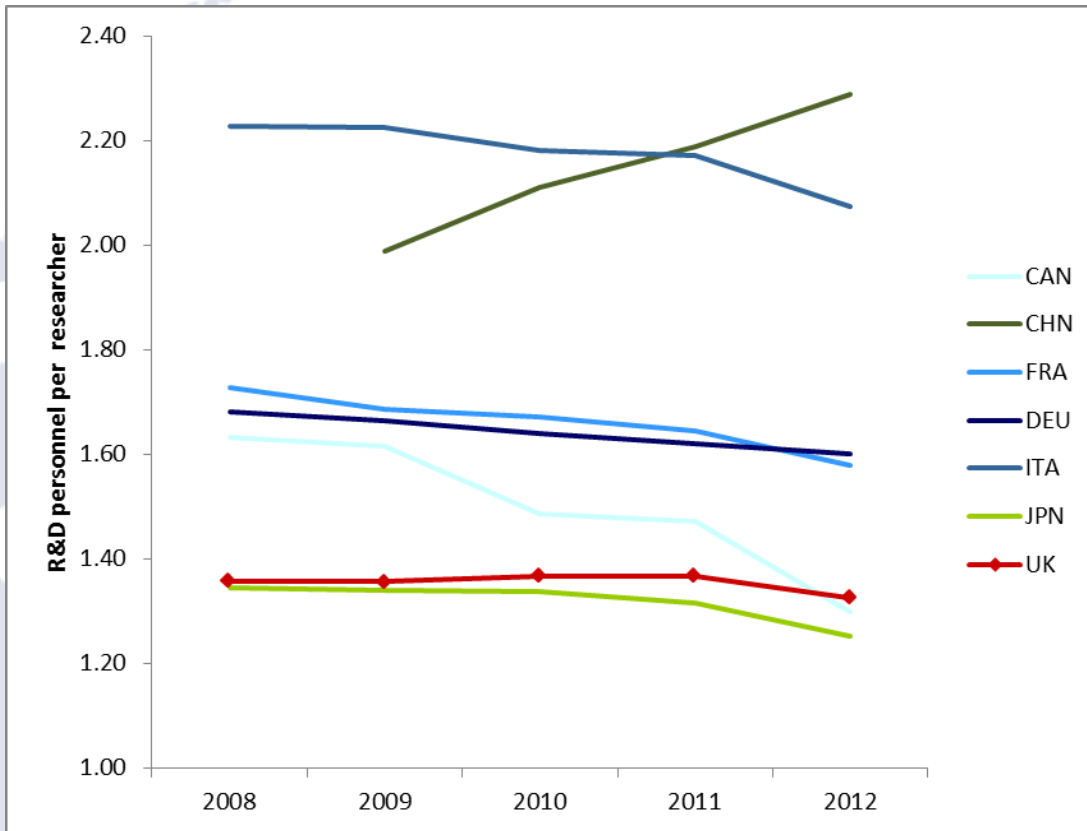
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>11.00</b>	<b>11.33</b>	<b>0.33</b>	<b>0.74%</b>	-	-
G8	11.57	11.19	-0.38	-0.84%	4	3
EU 27	9.70	10.27	0.57	1.44%	7	8
OECD	10.27	10.55	0.28	0.68%	11	12

G8 rankings out of 6 (of 8) countries with available data

EU27 rankings out of 19 (of 27) countries with available data

OECD rankings out of 25 (42) countries with available data

## R&D personnel per researcher – UK and comparator countries



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1.36</b>	<b>1.33</b>	<b>-0.03</b>	<b>-0.47%</b>	-	-
G8	1.62	1.51	-0.11	-1.36%	6	5
EU 27	1.67	1.60	-0.07	-0.87%	14	13
OECD	1.46	1.71	0.25	3.19%	27	26

G8 rankings out of 7 (of 8) countries with available data

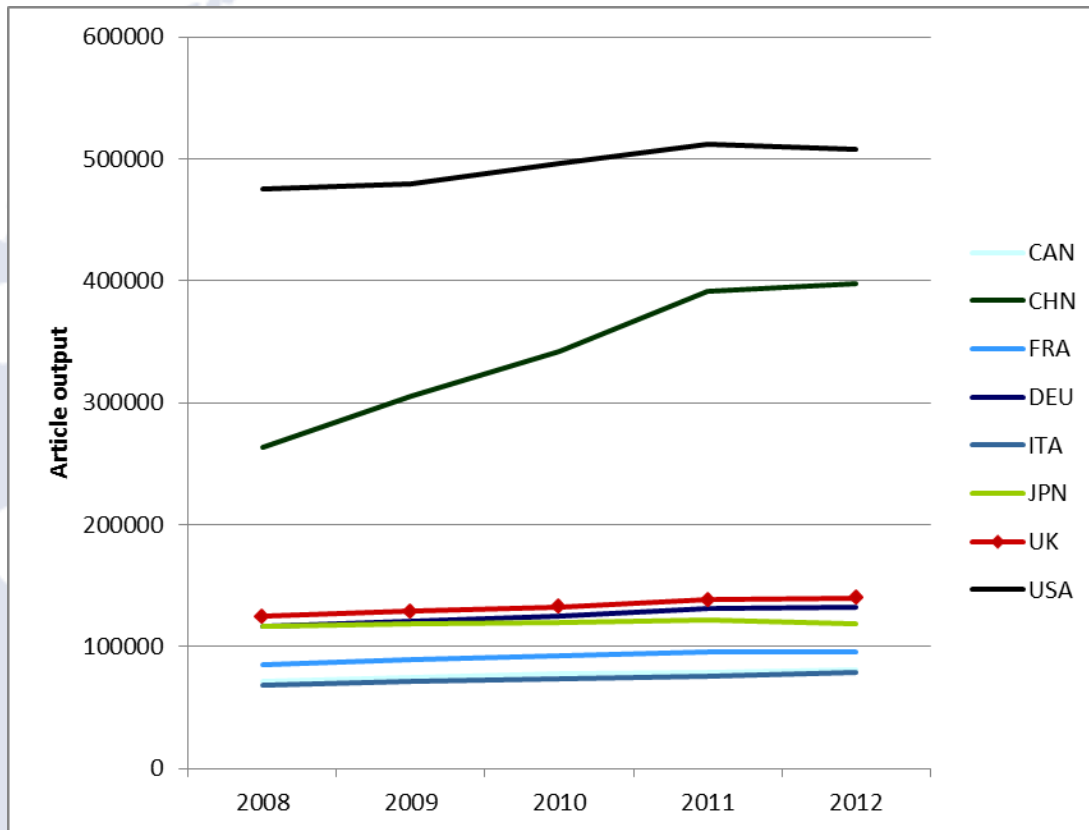
EU27 rankings out of 18 (of 27) countries with available data

OECD rankings out of 24 (42) countries with available data



# RESEARCH OUTPUTS

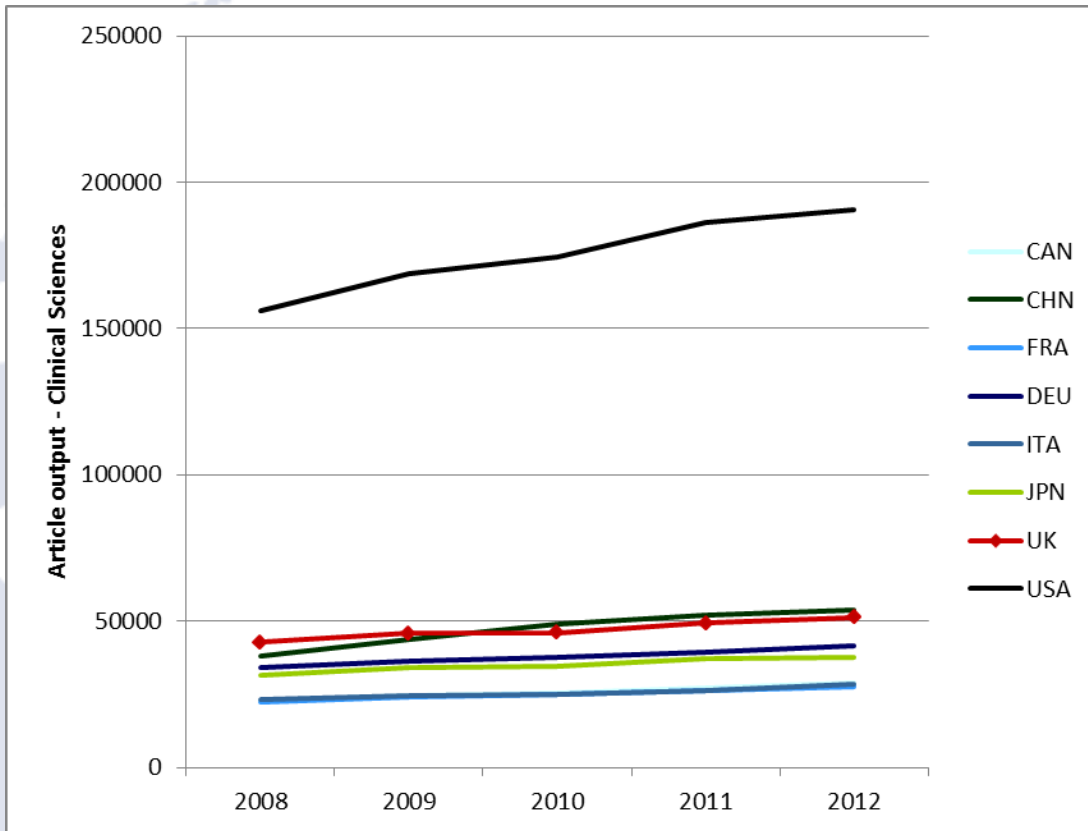
## Article output – All BIS subjects



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>124811</b>	<b>139701</b>	<b>14890</b>	<b>2.86%</b>	-	-
G8	981401	1057347	75946	1.88%	2	2
EU 27	581972	664952	82980	3.39%	1	1
OECD	1622510	1932218	309708	4.46%	2	2
World	1904291	2191312	287021	3.57%	3	3

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

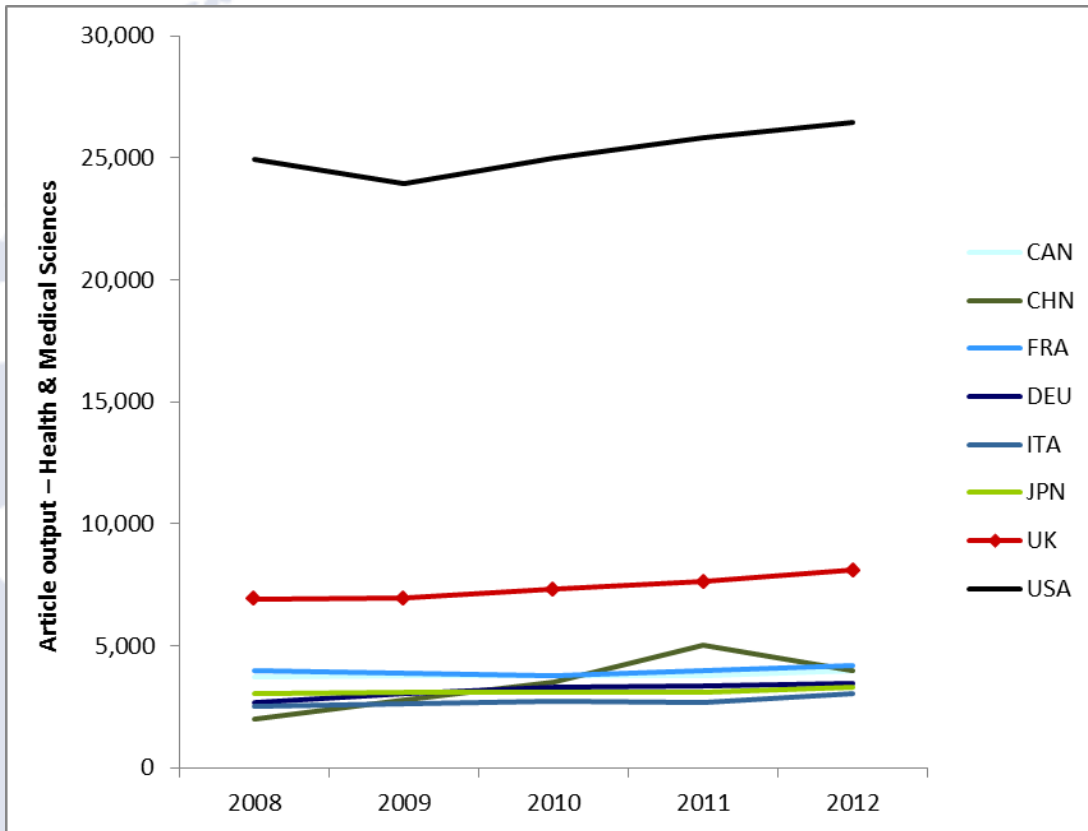
## Article output – Clinical Sciences (BIS1)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>42772</b>	<b>51217</b>	<b>8445</b>	<b>4.61%</b>	-	-
G8	302677	364629	61952	4.77%	2	2
EU 27	180161	215426	35265	4.57%	1	1
OECD	457042	567395	110353	5.56%	2	2
World	526914	636948	110034	4.86%	2	3

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

## Article output – Health & Medical Sciences (BIS2)

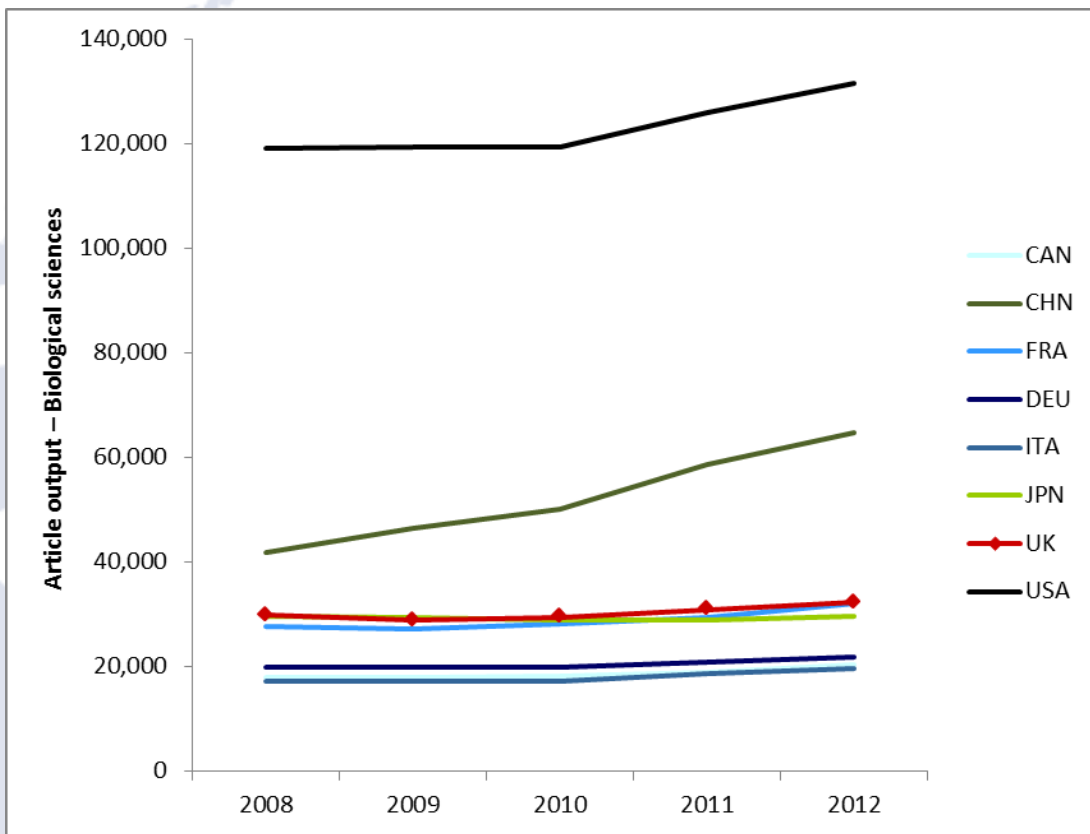


	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>6,929</b>	<b>8,105</b>	<b>1,176</b>	<b>4.00%</b>	-	-
G8	44,418	49,051	4,633	2.51%	2	2
EU 27	24,406	28,992	4,586	4.40%	1	1
OECD	67,102	80,922	13,820	4.79%	2	2
World	76,985	91,864	14,879	4.52%	2	2

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.



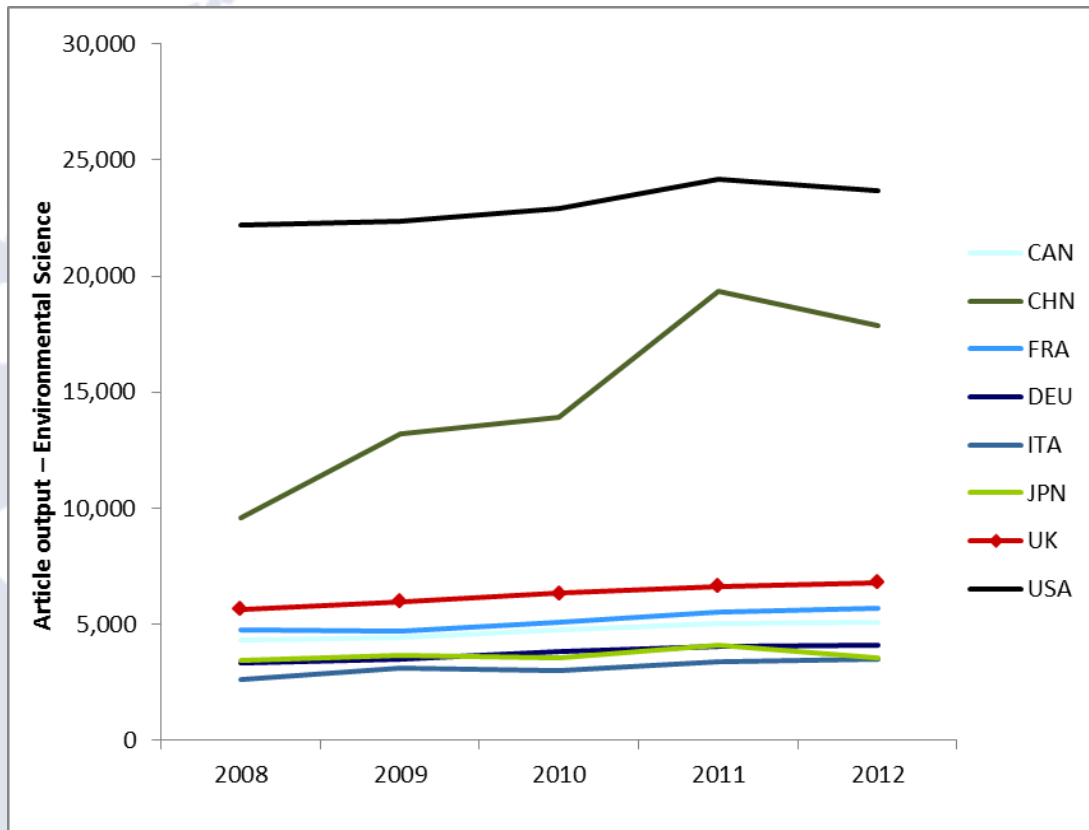
## Article output – Biological Sciences (BIS3)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>29,757</b>	<b>32,218</b>	<b>2,461</b>	<b>2.01%</b>	-	-
G8	234,732	254,028	19,296	1.99%	2	2
EU 27	139,939	155,995	16,056	2.75%	1	1
OECD	372,946	437,240	64,294	4.06%	2	2
World	405,694	478,699	73,005	4.22%	3	3

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

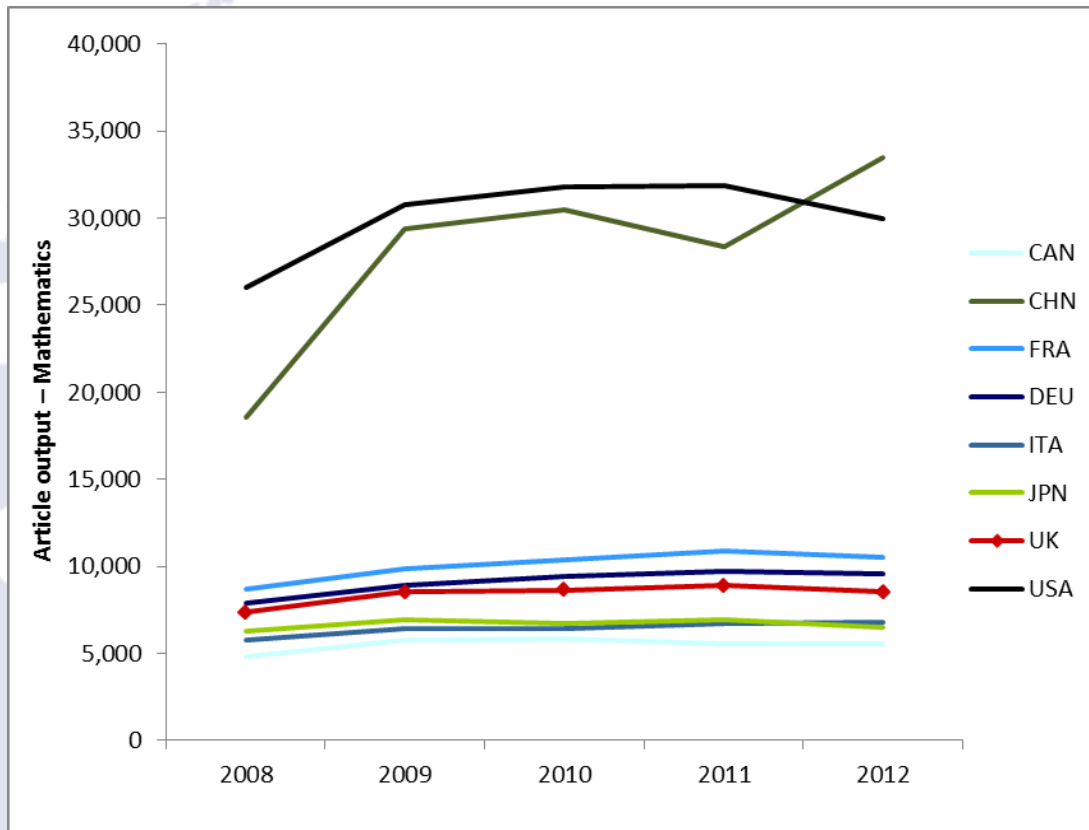
## Article output – Environmental Sciences (BIS4)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>5,641</b>	<b>6,815</b>	<b>1,174</b>	<b>4.84%</b>	-	-
G8	42,963	48,121	5,158	2.88%	2	2
EU 27	26,660	33,885	7,225	6.18%	1	1
OECD	72,814	93,098	20,284	6.34%	2	2
World	82,241	105,097	22,856	6.32%	3	3

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

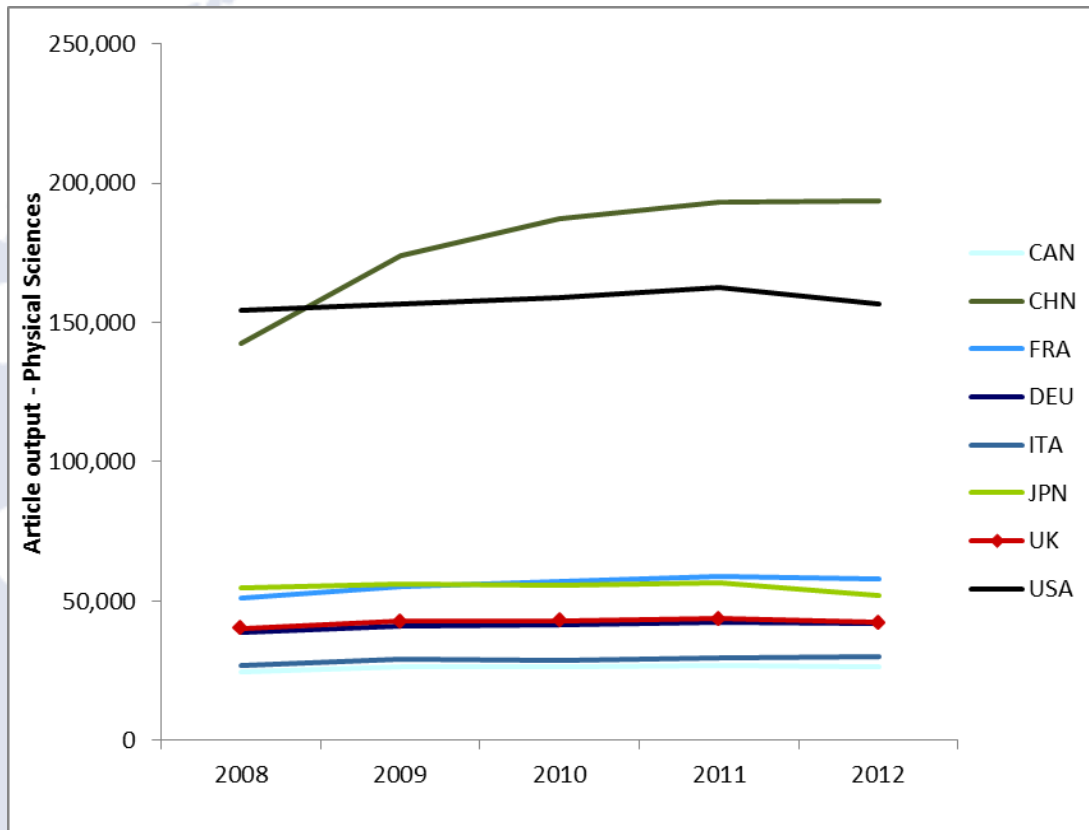
## Article output – Mathematics (BIS5)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>7,341</b>	<b>8,524</b>	<b>1,183</b>	<b>3.81%</b>	-	-
G8	62,036	72,231	10,195	3.88%	4	4
EU 27	43,713	54,129	10,416	5.49%	3	3
OECD	103,092	137,211	34,119	7.41%	4	4
World	112,865	152,907	40,042	7.89%	5	5

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

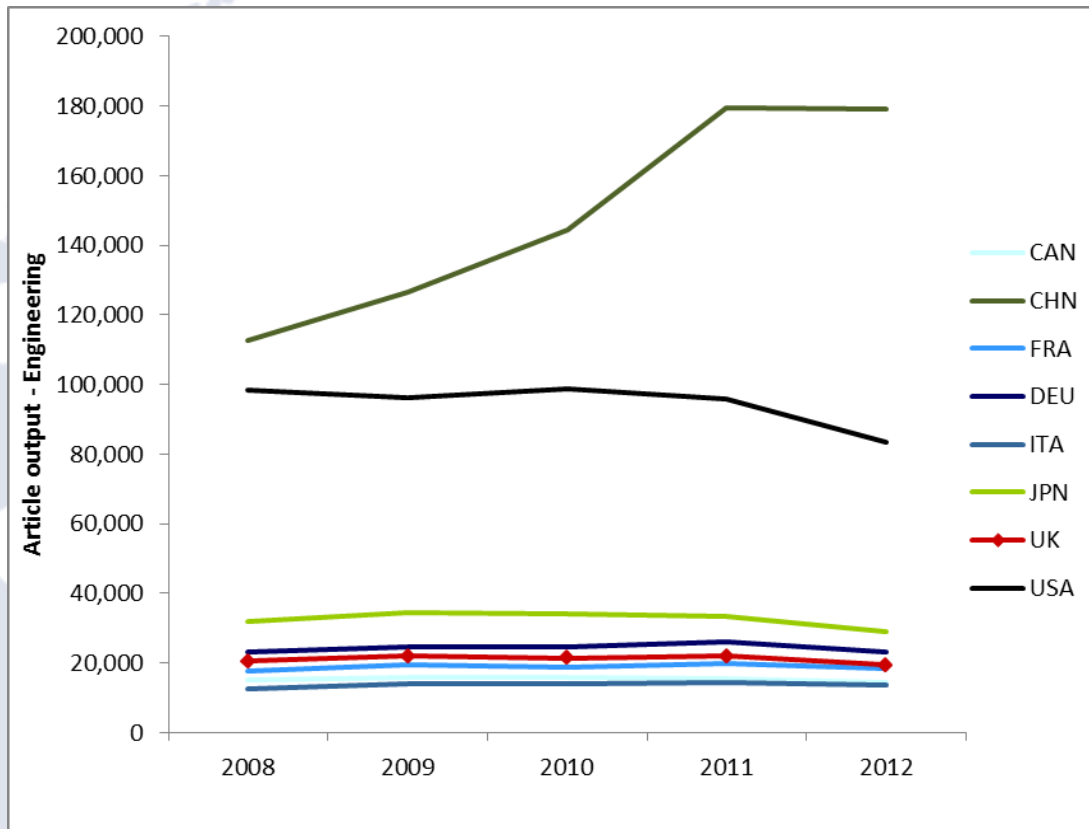
## Article output – Physical Sciences (BIS6)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>40,195</b>	<b>42,348</b>	<b>2153</b>	<b>1.31%</b>	-	-
G8	365,082	374,738	9656	0.65%	4	4
EU 27	224,445	247,664	23219	2.49%	2	2
OECD	640,402	729,056	88654	3.29%	4	4
World	714,287	809,079	94792	3.16%	5	5

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

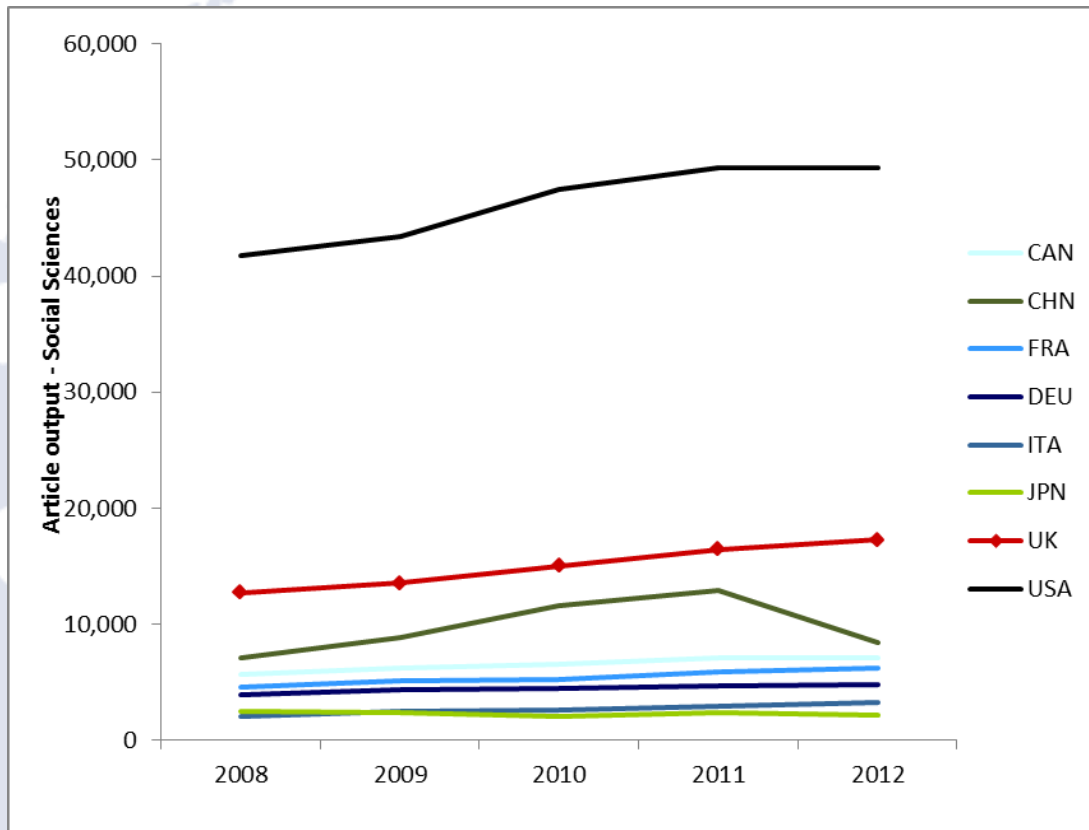
## Article output – Engineering (BIS7)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>20,785</b>	<b>20,496</b>	<b>-289</b>	<b>-0.35%</b>	-	-
G8	214,160	204,285	-9875	-1.17%	4	4
EU 27	115,304	124,094	8790	1.85%	2	2
OECD	404,358	482,970	78612	4.54%	4	5
World	476,622	551,061	74439	3.69%	5	6

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

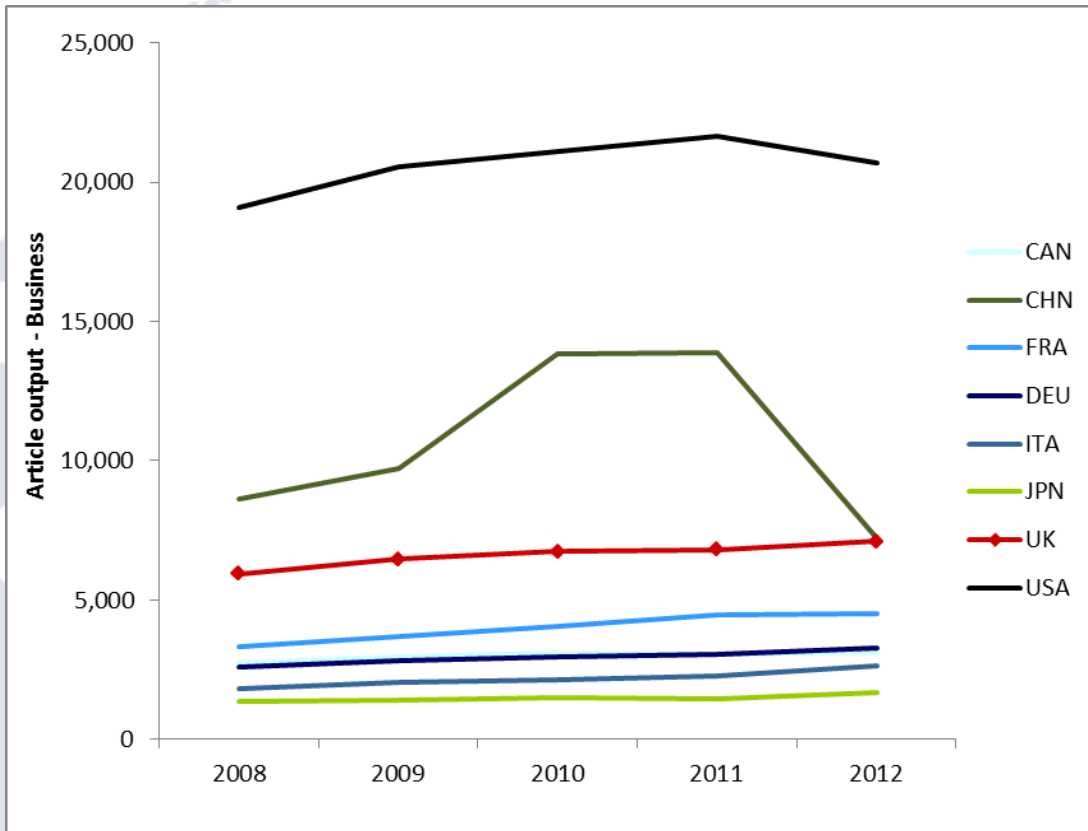
## Article output – Social Sciences (BIS8)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>12,726</b>	<b>17,275</b>	<b>4,549</b>	<b>7.94%</b>	-	-
G8	70,517	86,313	15,796	5.18%	2	2
EU 27	35,775	51,757	15,982	9.67%	1	1
OECD	102,688	133,522	30,834	6.78%	2	2
World	145,940	158,682	12,742	2.11%	2	2

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

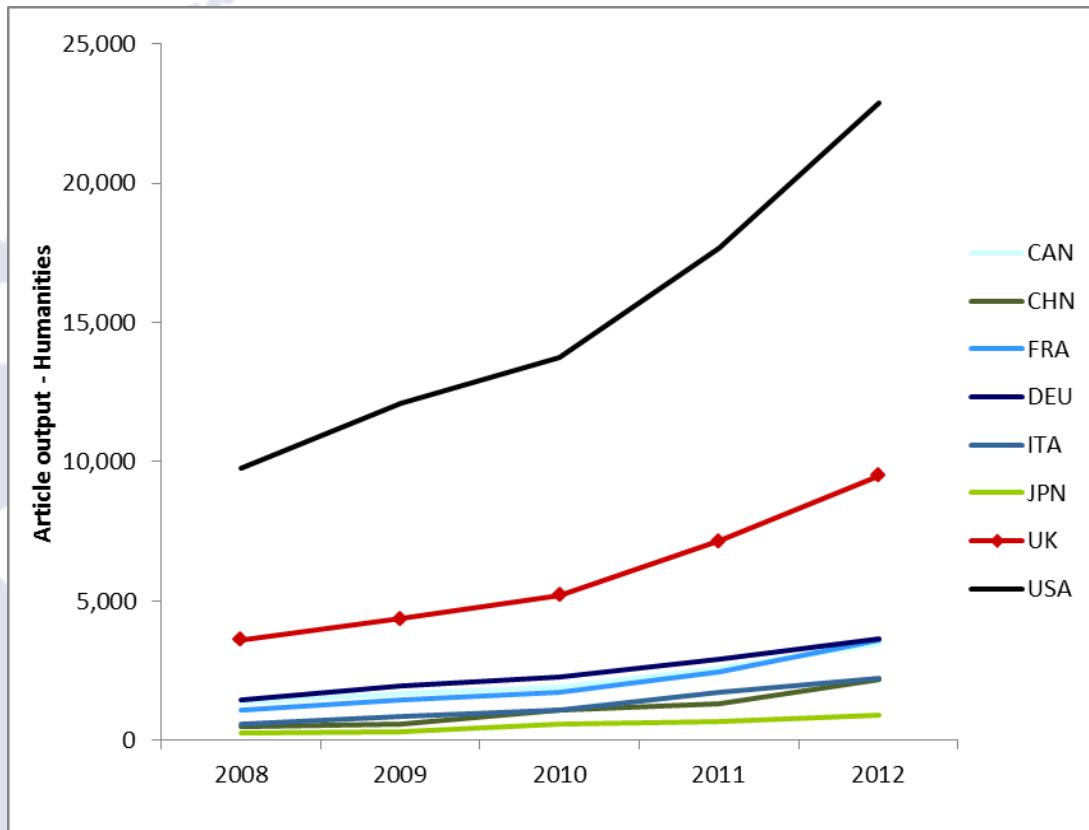
## Article output – Business (BIS9)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>5,938</b>	<b>7,111</b>	<b>1,173</b>	<b>4.61%</b>	-	-
G8	34,091	39,647	5,556	3.85%	2	2
EU 27	21,372	27,622	6,250	6.62%	1	1
OECD	55,772	64,049	8,277	3.52%	2	2
World	71,293	79,369	8,076	2.72%	3	3

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

## Article output – Humanities (BIS10)

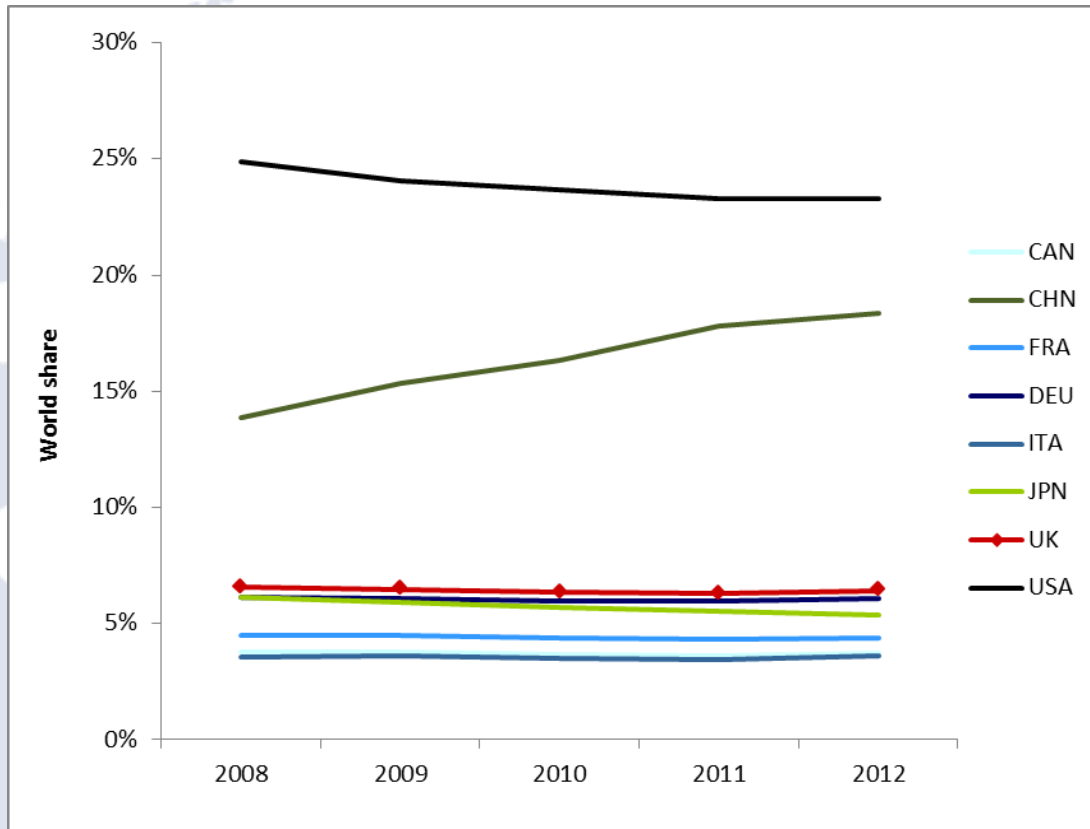


	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>3,611</b>	<b>9,503</b>	<b>5,892</b>	<b>27.37%</b>	-	-
G8	17,644	43,305	25,661	25.17%	2	2
EU 27	10,171	28,657	18,486	29.56%	1	1
OECD	24,400	62,140	37,740	26.33%	2	2
World	62,370	82,179	19,809	7.14%	2	2

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

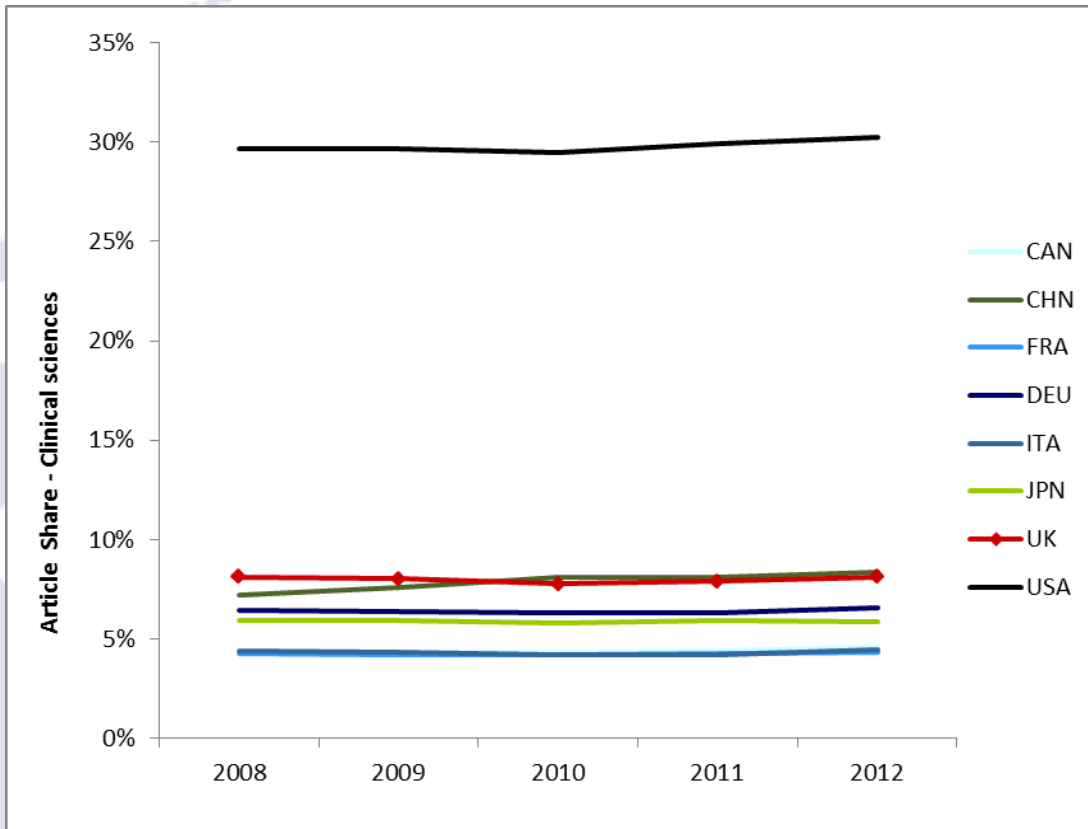


## Article share (world)



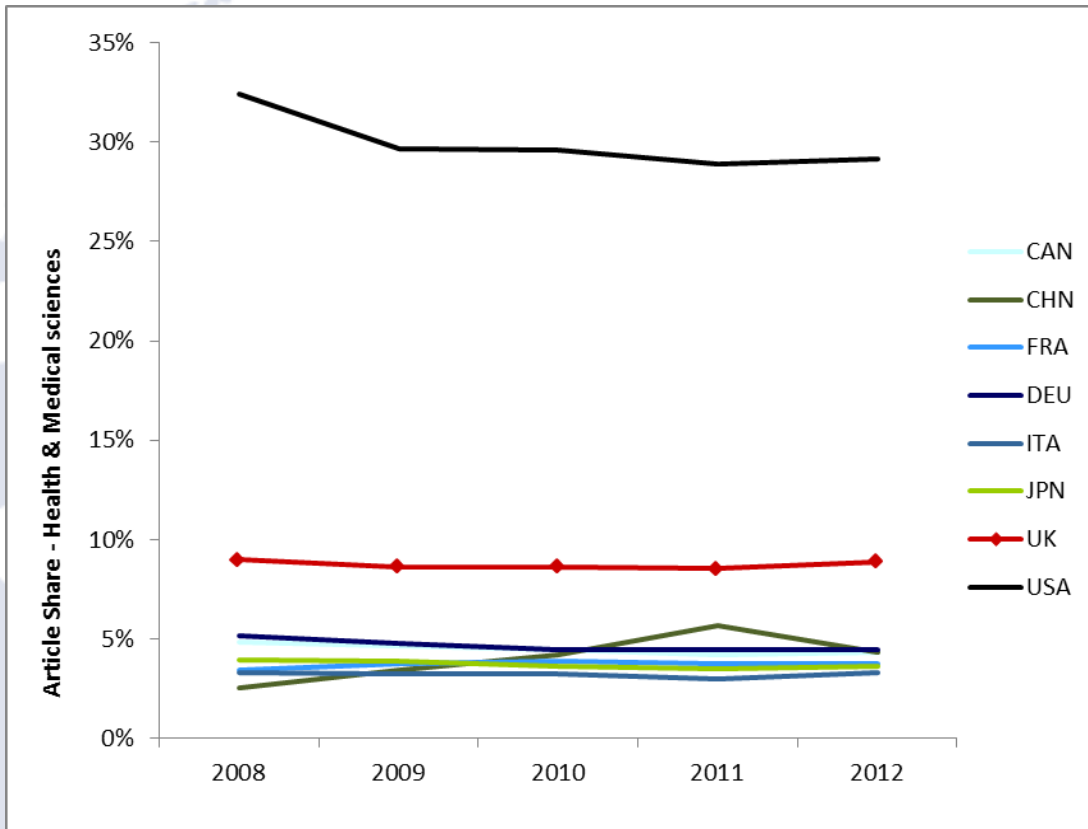
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>6.56%</b>	<b>6.43%</b>	<b>-0.13%</b>	<b>-0.50%</b>	-	-
G8	51.48%	48.38%	-3.10%	-1.54%	2	2
EU 27	30.56%	30.47%	-0.09%	-0.07%	1	1
OECD	85.20%	88.40%	3.20%	0.93%	3	3
World	100%	100%	-	-	3	3

### Article share (world) – Clinical Sciences (BIS1)



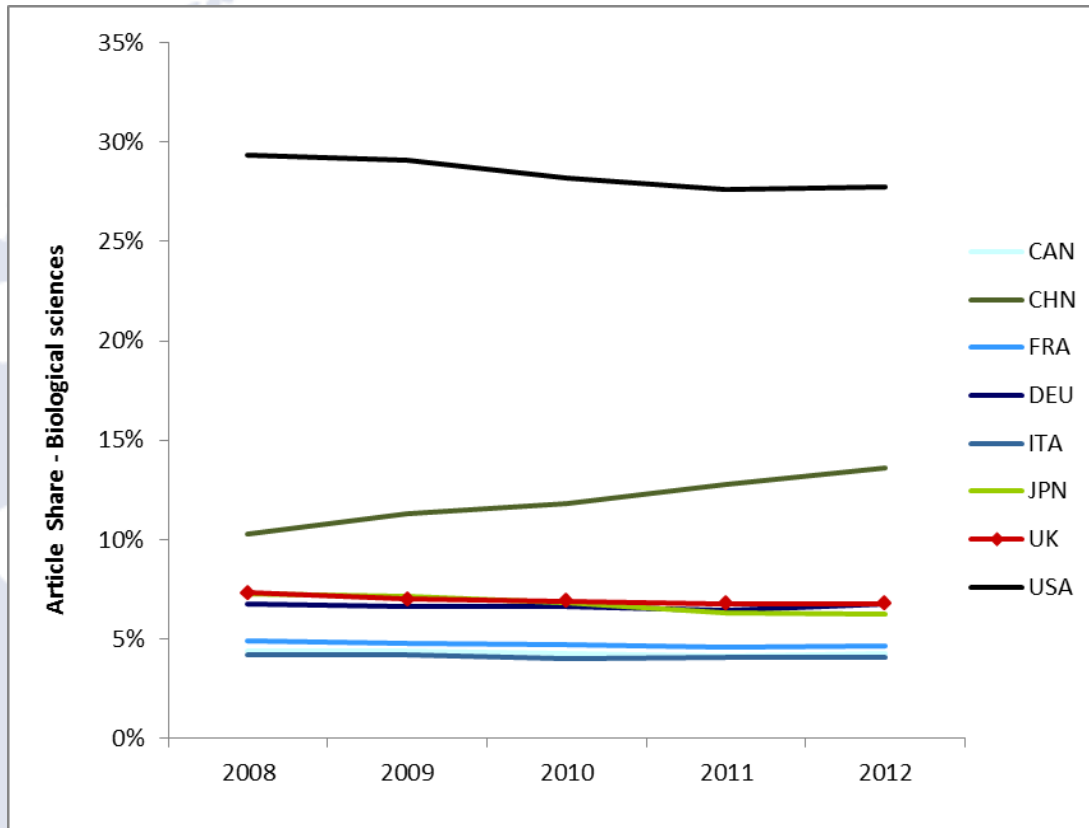
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>8.13%</b>	<b>8.14%</b>	<b>0.01%</b>	<b>0.04%</b>	-	-
G8	57.47%	57.61%	0.14%	0.06%	2	2
EU 27	34.22%	34.00%	-0.22%	-0.16%	1	1
OECD	86.76%	89.28%	2.52%	0.72%	2	3
World	100%	100%	-	-	2	3

### Article share (world) – Health & Medical Sciences (BIS2)



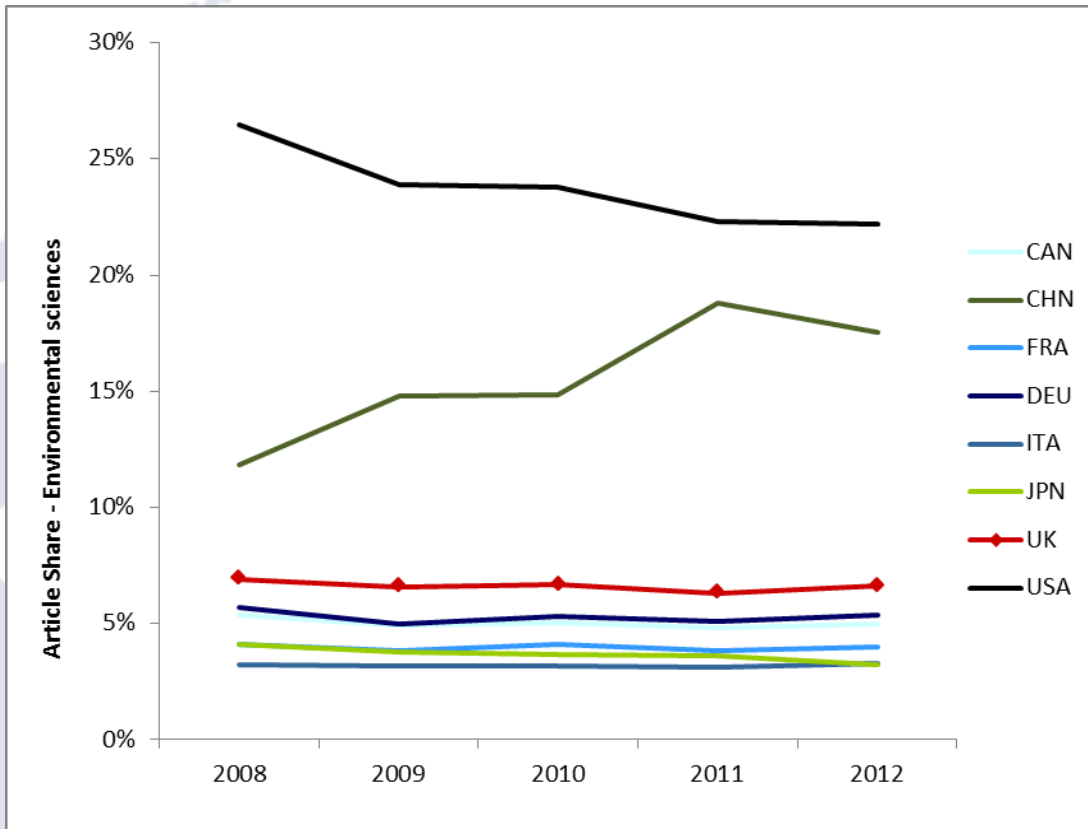
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>9.00%</b>	<b>8.89%</b>	<b>-0.1%</b>	<b>-0.31%</b>	-	-
G8	57.69%	53.71%	-4.0%	-1.77%	2	2
EU 27	31.70%	31.46%	-0.2%	-0.19%	1	1
OECD	87.18%	88.32%	1.1%	0.33%	2	2
World	100%	100%	-	-	2	2

## Article share (world) – Biological Sciences (BIS3)



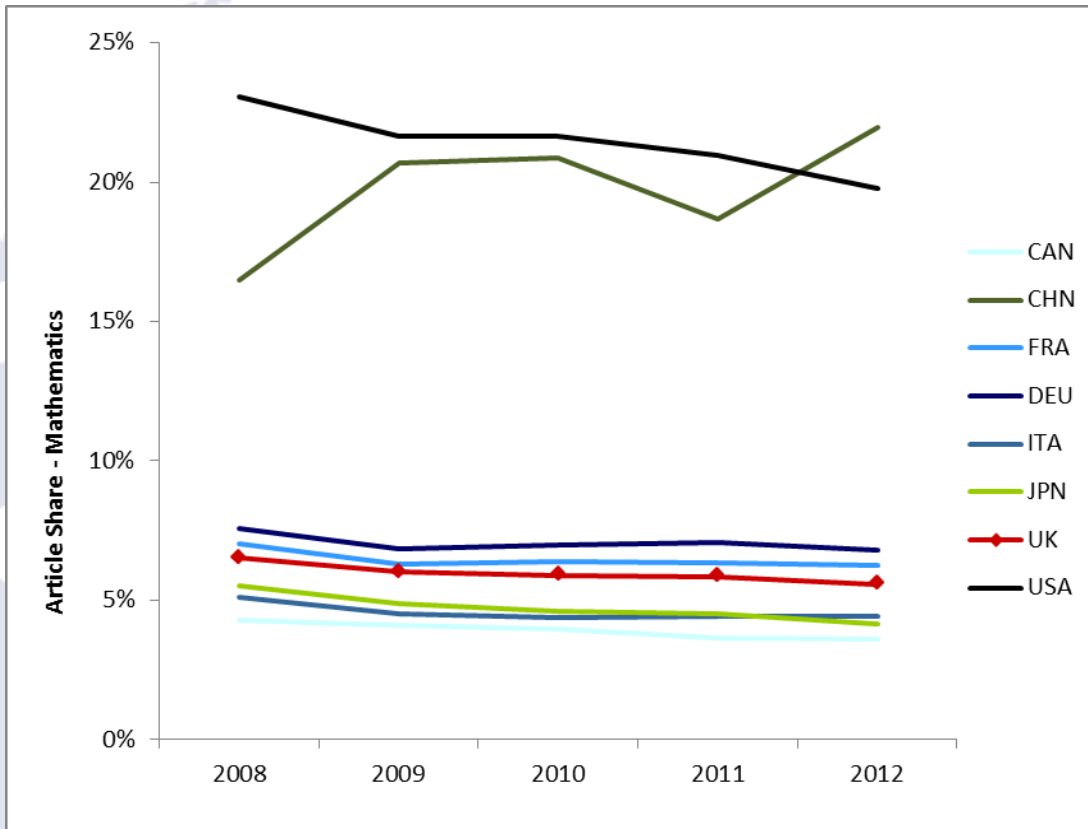
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>7.34%</b>	<b>6.80%</b>	<b>-0.54%</b>	<b>-1.90%</b>	-	-
G8	57.86%	53.49%	-4.37%	-1.94%	2	3
EU 27	34.50%	32.82%	-1.68%	-1.24%	1	1
OECD	91.93%	91.68%	-0.25%	-0.07%	3	3
World	100%	100%	-	-	3	3

## Article share (world) – Environmental Sciences (BIS4)



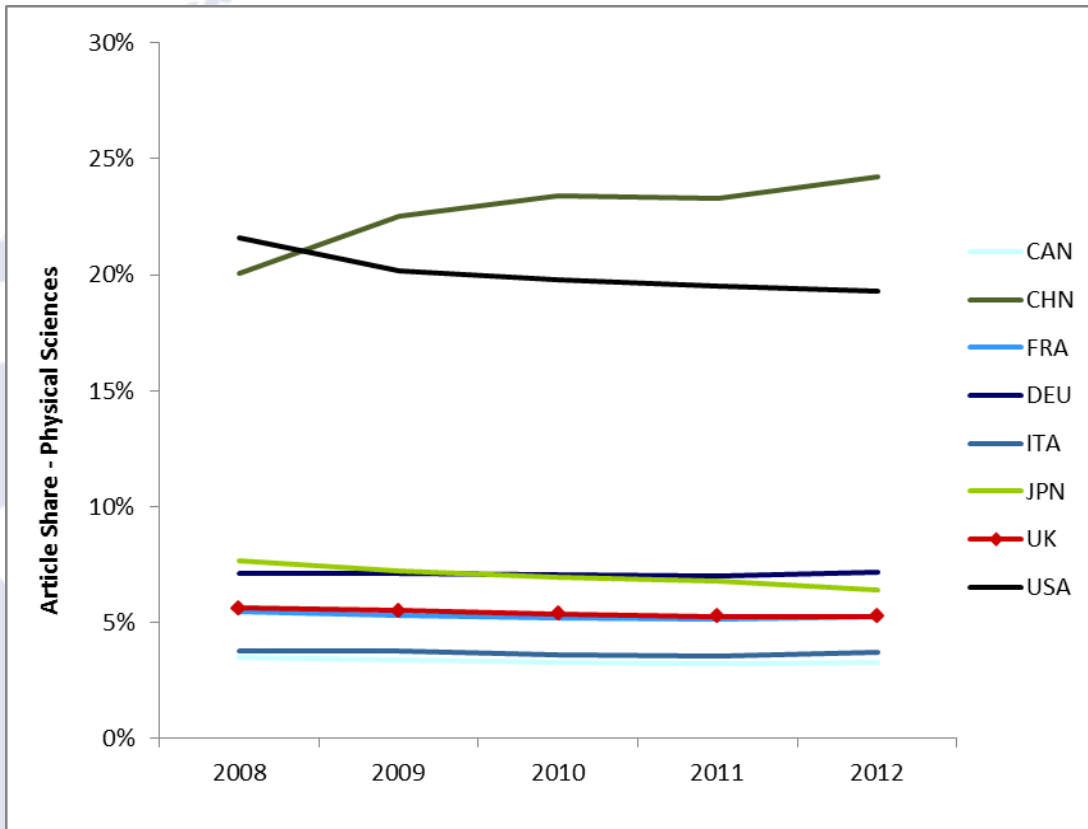
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>6.93%</b>	<b>6.60%</b>	<b>-0.32%</b>	<b>-1.19%</b>	-	-
G8	51.69%	45.39%	-6.30%	-3.20%	2	2
EU 27	32.71%	32.43%	-0.29%	-0.22%	1	1
OECD	88.54%	88.65%	0.11%	0.03%	3	3
World	100%	100%	-	-	3	3

### Article share (world) – Mathematics (BIS5)



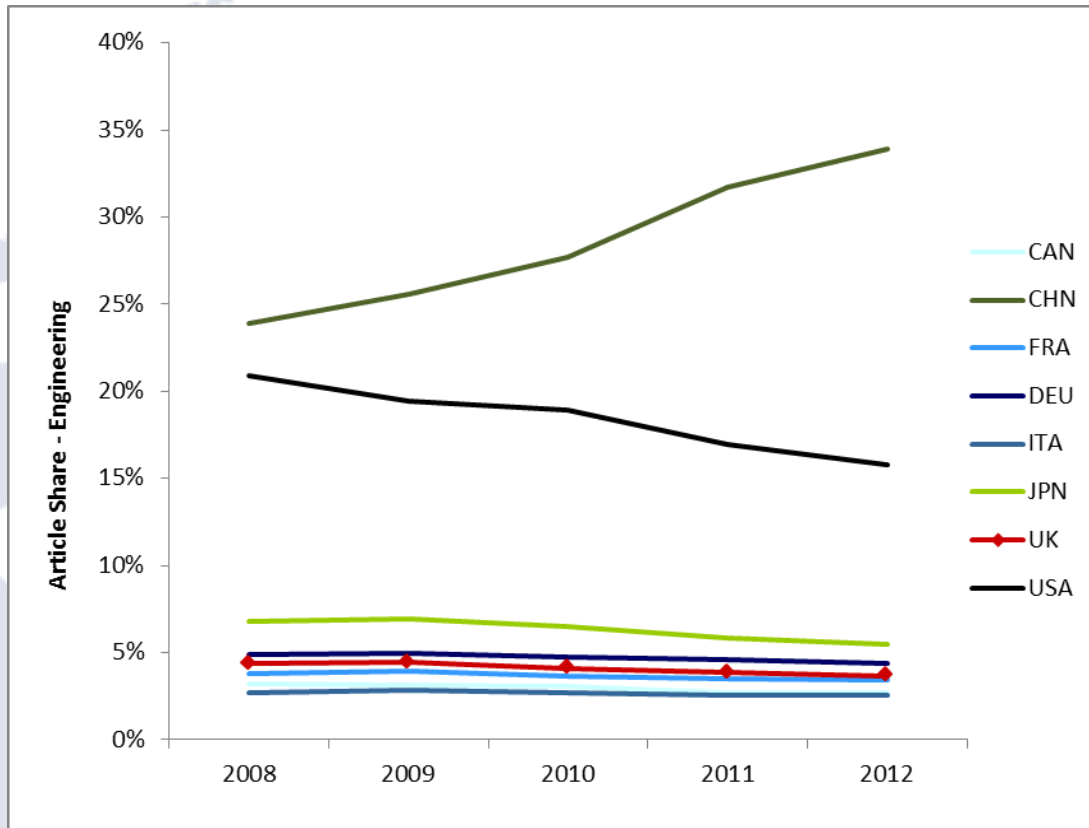
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>6.52%</b>	<b>5.57%</b>	<b>-0.95%</b>	<b>-3.85%</b>	-	-
G8	54.90%	47.19%	-7.71%	-3.71%	4	4
EU 27	38.65%	35.26%	-3.39%	-2.27%	3	3
OECD	54.90%	47.19%	-7.71%	-3.71%	5	5
World	100%	100%	-	-	5	5

### Article share (world) – Physical Sciences (BIS6)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>5.63%</b>	<b>5.26%</b>	<b>-0.37%</b>	<b>-1.69%</b>	-	-
G8	51.05%	46.23%	-4.82%	-2.45%	4	4
EU 27	31.38%	30.69%	-0.69%	-0.55%	2	2
OECD	89.67%	90.20%	0.53%	0.15%	5	5
World	100%	100%	-	-	5	5

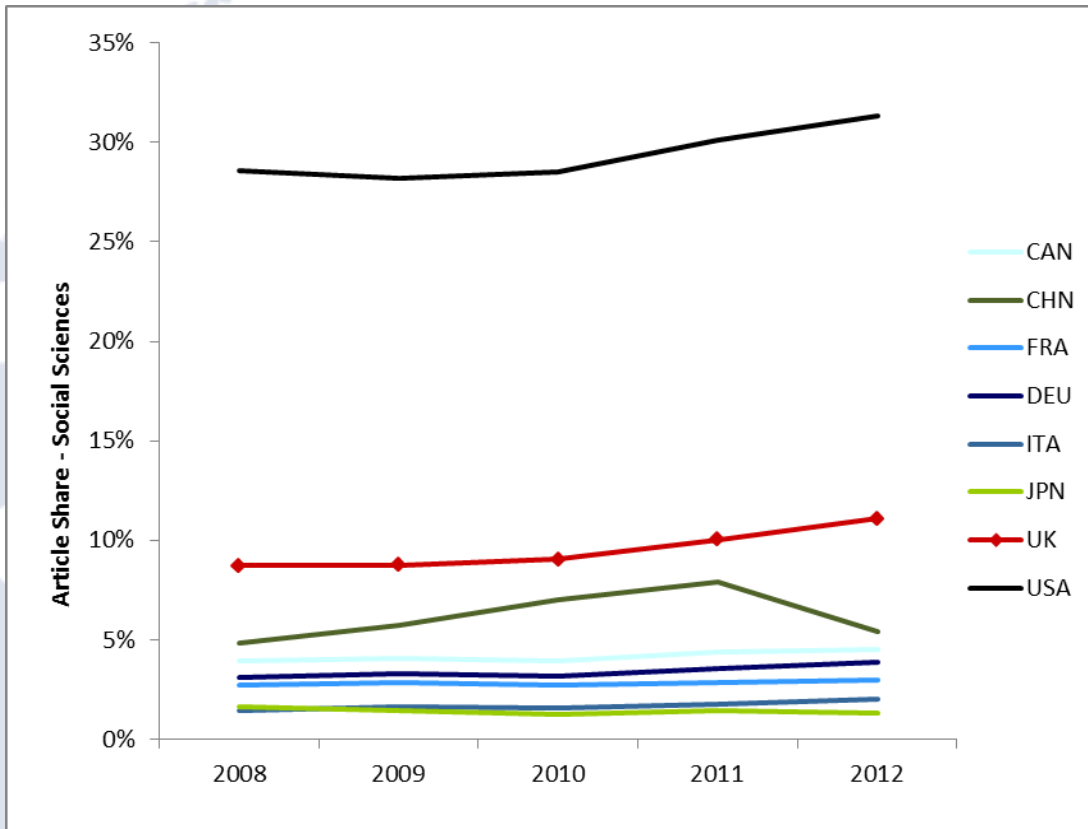
## Article share (world) – Engineering (BIS7)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>4.35%</b>	<b>3.67%</b>	<b>-0.68%</b>	<b>-4.17%</b>	-	-
G8	44.64%	36.58%	-8.06%	-4.86%	4	4
EU 27	24.15%	22.46%	-1.69%	-1.80%	2	2
OECD	84.79%	87.74%	2.96%	0.86%	5	7
World	100%	100%	-	-	5	7

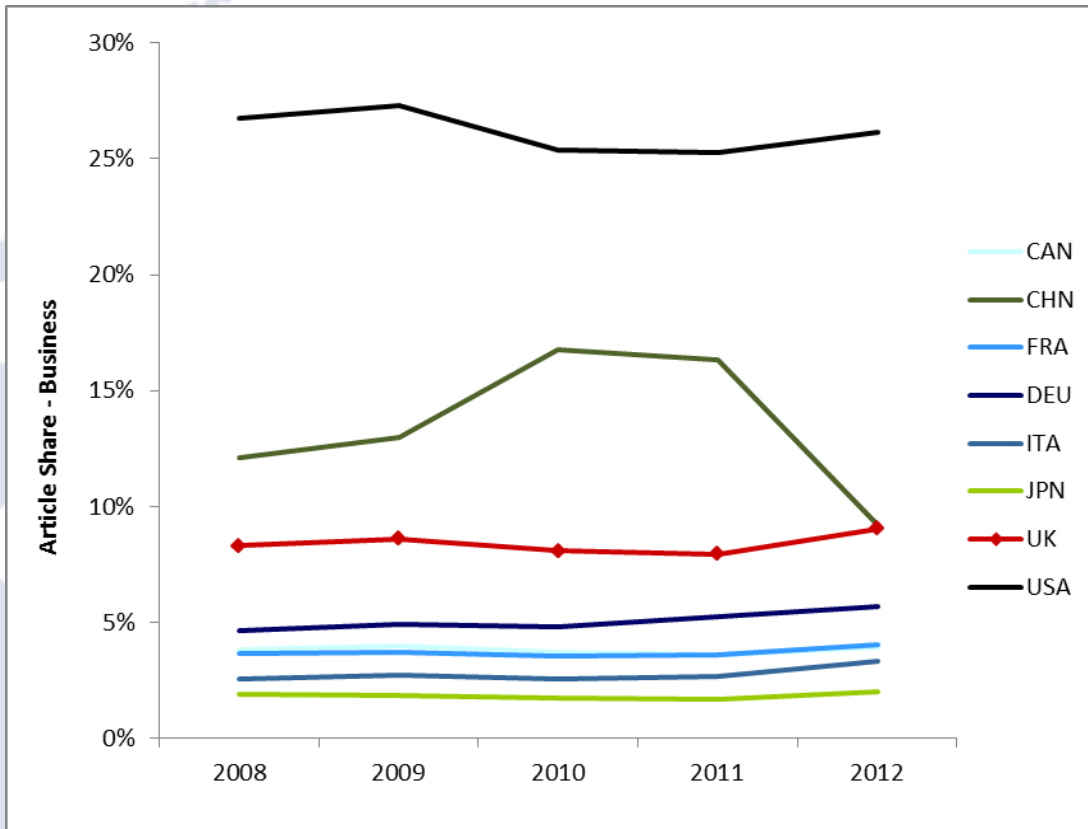


### Article share (world) – Social Sciences (BIS8)



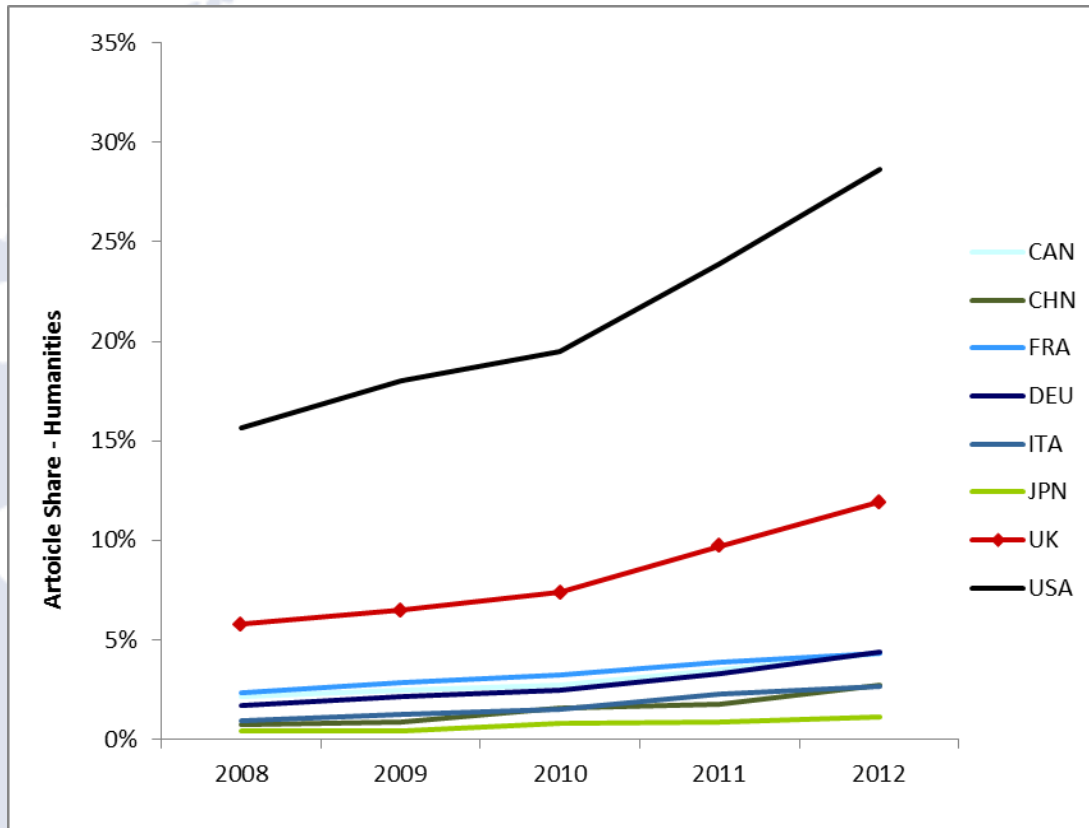
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>8.73%</b>	<b>11.10%</b>	<b>2.37%</b>	<b>6.17%</b>	-	-
G8	48.24%	54.61%	6.37%	3.15%	2	2
EU 27	24.43%	32.57%	8.14%	7.46%	1	1
OECD	70.20%	84.42%	14.21%	4.72%	2	2
World	100%	100%	-	-	2	2

### Article share (world) – Business (BIS9)



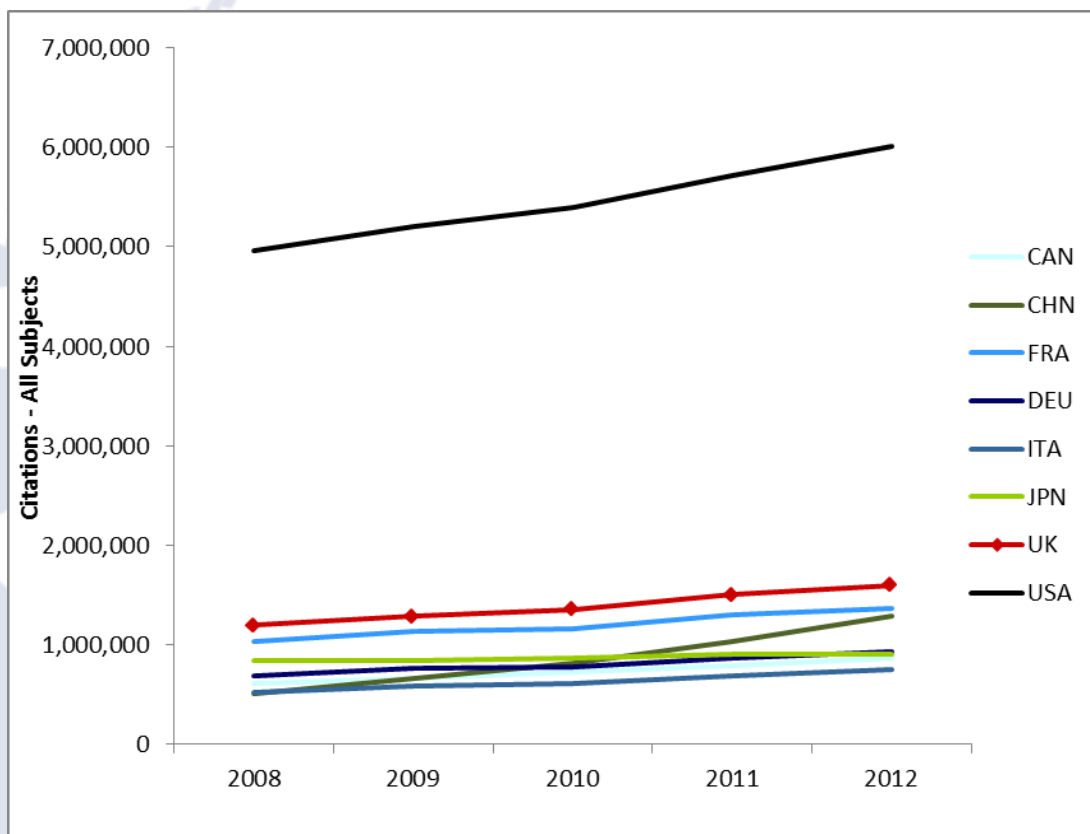
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>8.31%</b>	<b>9.05%</b>	<b>0.74%</b>	<b>2.15%</b>	-	-
G8	47.70%	49.90%	2.20%	1.13%	2	2
EU 27	29.91%	34.80%	4.89%	3.86%	1	1
OECD	78.15%	80.80%	2.65%	0.84%	3	3
World	100%	100%	-	-	3	3

## Article share (world) – Humanities (BIS10)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>5.80%</b>	<b>11.94%</b>	<b>6.14%</b>	<b>19.80%</b>	-	-
G8	28.27%	53.59%	25.32%	17.34%	2	2
EU 27	16.28%	35.00%	18.72%	21.09%	1	1
OECD	39.06%	76.51%	37.45%	18.30%	2	2
World	100%	100%	-	-	2	2

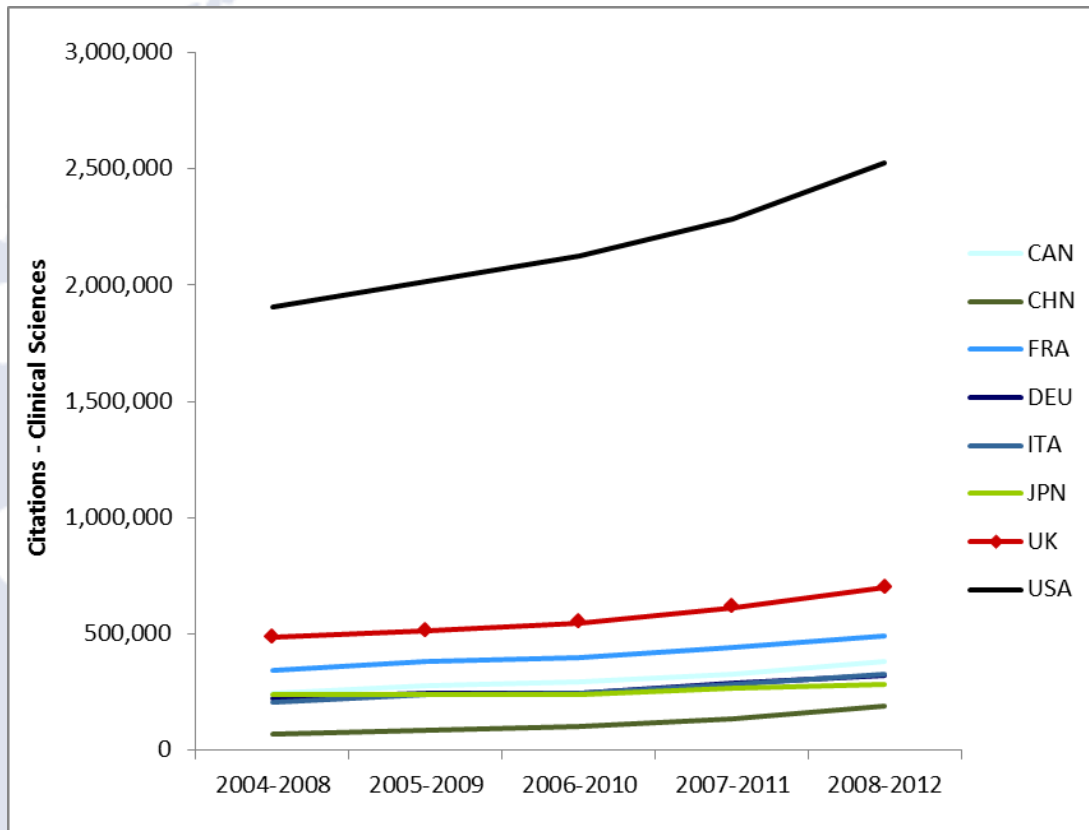
## Citation output – All Subjects



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1,198,435</b>	<b>1,602,282</b>	<b>403,847</b>	<b>7.53%</b>	-	-
G8	8,337,821	10,270,127	1,932,306	5.35%	2	2
EU 27	4,299,152	5,724,052	1,424,900	7.42%	1	1
OECD	10,544,708	13,959,172	3,414,464	7.26%	2	2
World	10,942,718	14,623,011	3,680,293	7.52%	2	2

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

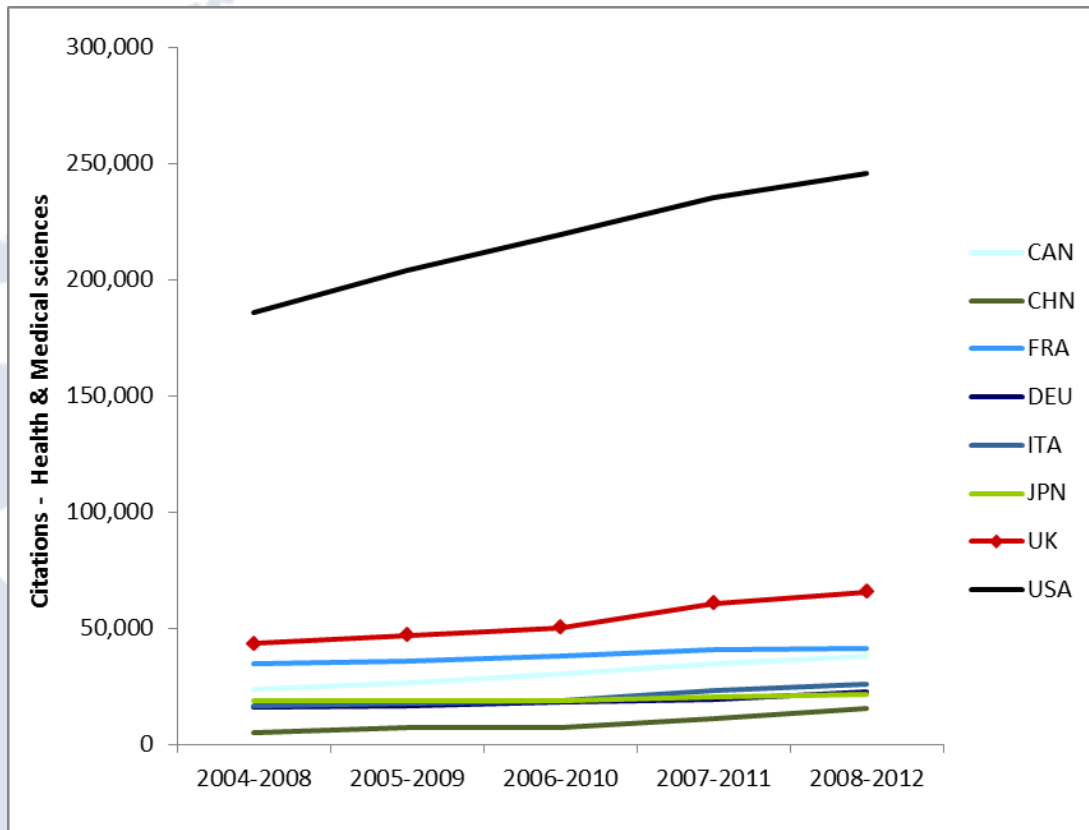
## Citation output – Clinical Sciences (BIS1)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>484,425</b>	<b>697,951</b>	<b>213,526</b>	<b>9.56%</b>	-	-
G8	3,089,373	4,081,511	992,138	7.21%	2	2
EU 27	1,557,079	2,190,917	633,838	8.91%	1	1
OECD	3,789,314	5,147,675	1,358,361	7.96%	2	2
World	3,913,281	5,330,596	1,417,315	8.03%	2	2

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

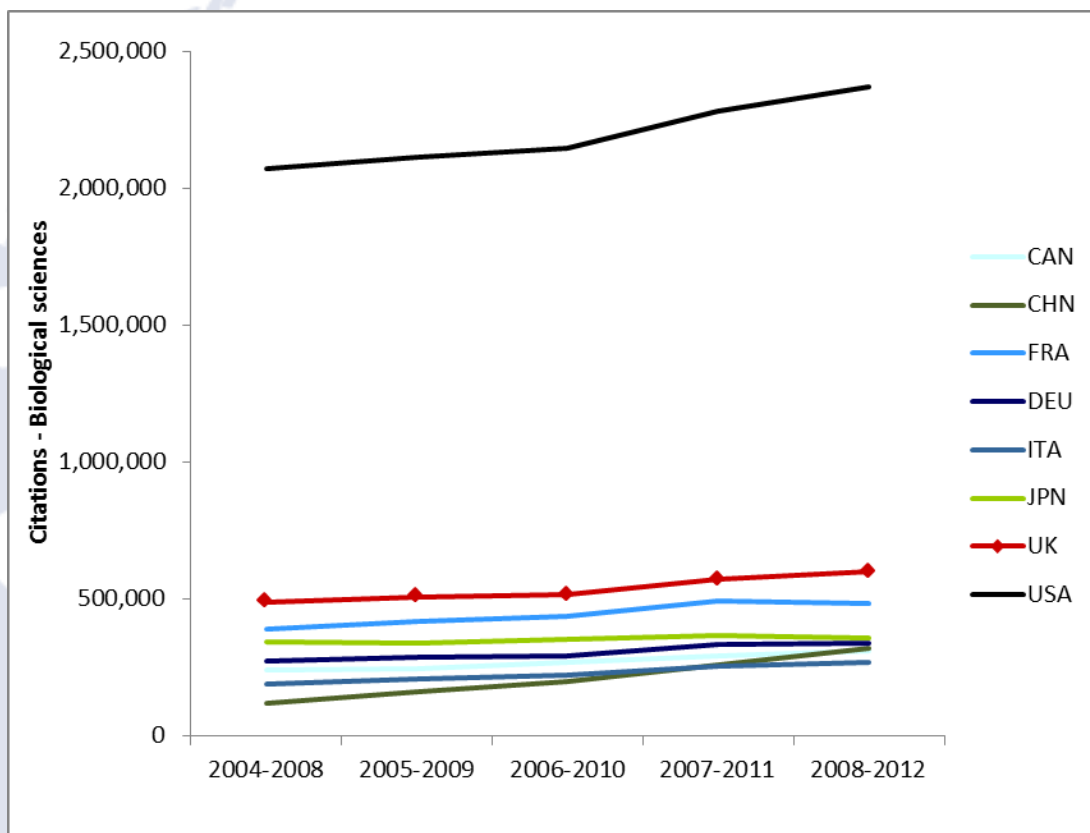
## Citation output – Health &amp; Medical Sciences (BIS2)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>43,314</b>	<b>65,673</b>	<b>22,359</b>	<b>10.97%</b>	-	-
G8	297,062	399,271	102,209	7.67%	2	2
EU 27	148,316	211,802	63,486	9.32%	1	1
OECD	379,546	539,891	160,345	9.21%	2	2
World	393,734	565,611	171,877	9.48%	2	2

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

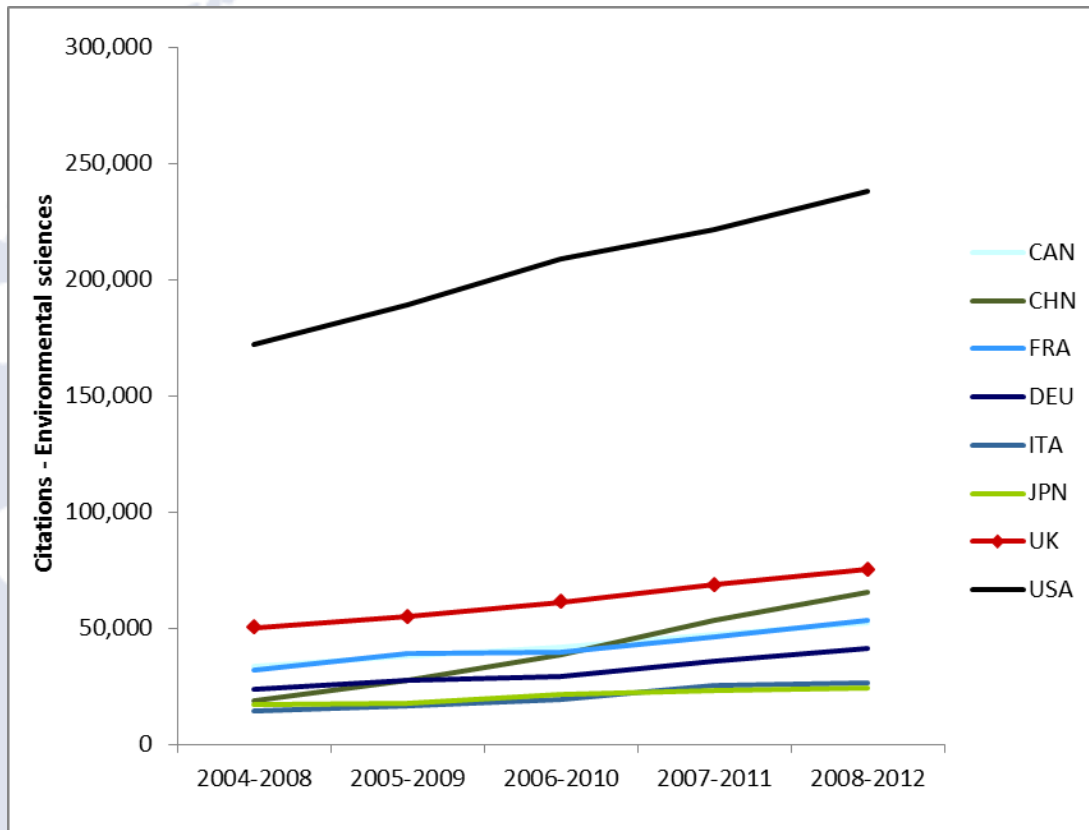
## Citation output – Biological Sciences (BIS3)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>489,041</b>	<b>599,918</b>	<b>110,877</b>	<b>5.24%</b>	-	-
G8	3,377,360	3,887,832	510,472	3.58%	2	2
EU 27	1,705,825	2,116,405	410,580	5.54%	1	1
OECD	4,159,920	5,083,752	923,832	5.14%	2	2
World	4,262,596	5,245,225	982,629	5.32%	2	2

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

## Citation output – Environmental Sciences (BIS4)

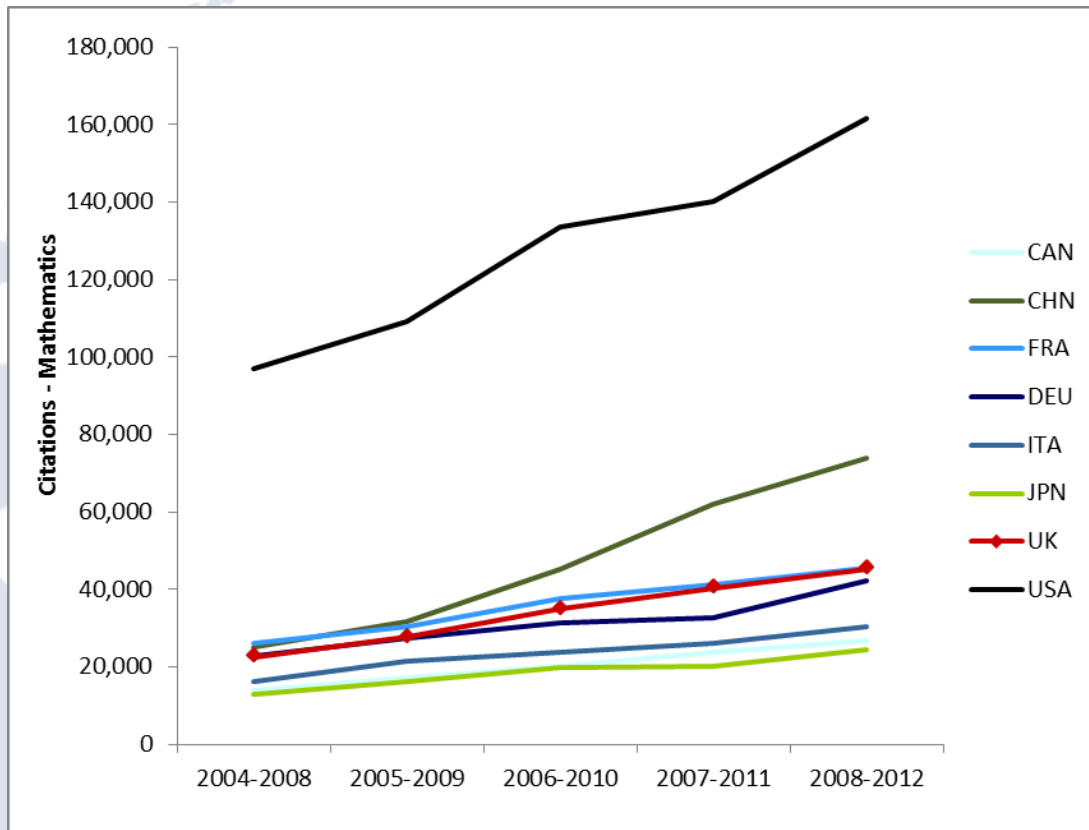


	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>50,278</b>	<b>75,166</b>	<b>24,888</b>	<b>10.58%</b>	-	-
G8	295,988	433,605	137,617	10.02%	2	2
EU 27	179,831	285,186	105,355	12.22%	1	1
OECD	412,431	664,123	251,692	12.65%	2	2
World	424,969	698,077	273,108	13.21%	2	2

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.



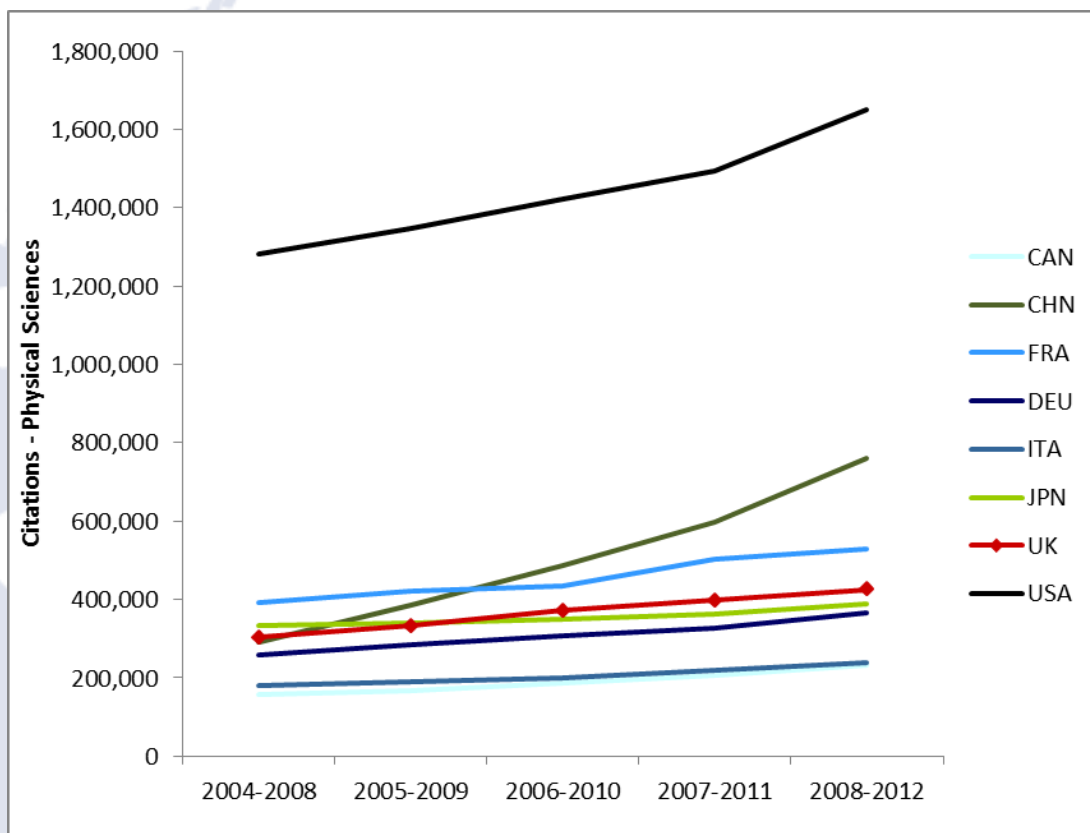
## Citation output – Mathematics (BIS5)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>22,473</b>	<b>45,347</b>	<b>22,874</b>	<b>19.19%</b>	-	-
G8	180,315	313,214	132,899	14.80%	4	3
EU 27	116,690	208,478	91,788	15.61%	3	2
OECD	249,415	464,040	214,625	16.79%	4	3
World	262,006	499,309	237,303	17.49%	5	4

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

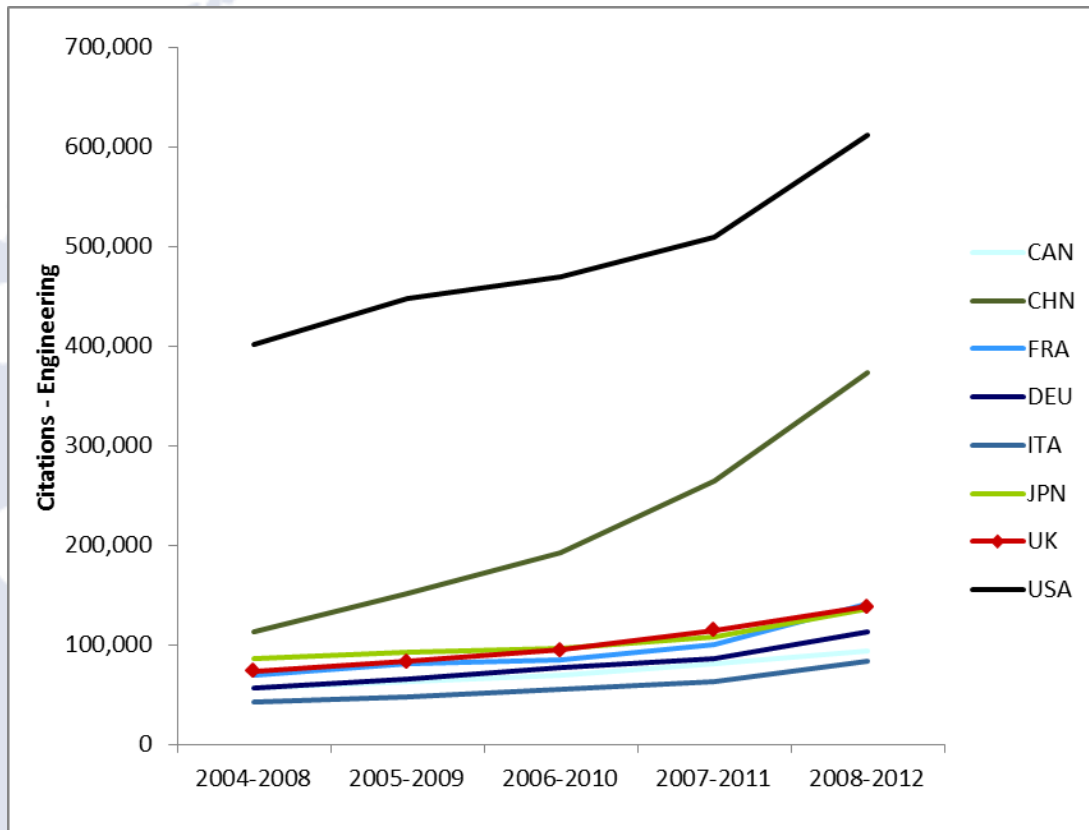
## Citation output – Physical Sciences (BIS6)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>303,611</b>	<b>426,475</b>	<b>122,864</b>	<b>8.87%</b>	-	-
G8	2,415,419	3,192,367	776,948	7.22%	4	3
EU 27	1,359,817	1,897,210	537,393	8.68%	2	2
OECD	3,216,334	4,702,571	1,486,237	9.96%	4	3
World	3,351,681	4,955,871	1,604,190	10.27%	4	4

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

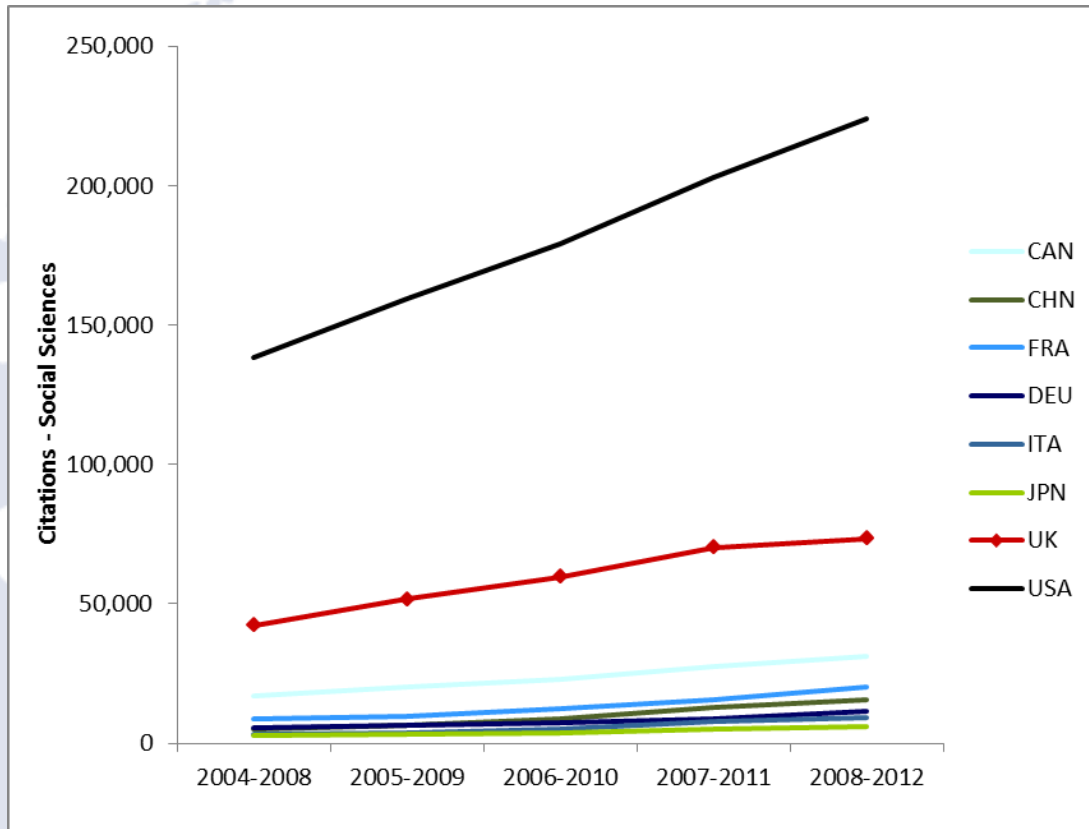
## Citation output – Engineering (BIS7)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>73,510</b>	<b>138,463</b>	<b>64,953</b>	<b>17.15%</b>	-	-
G8	718,243	1,185,695	467,452	13.35%	3	3
EU 27	356,495	680,468	323,973	17.54%	1	2
OECD	1,032,632	1,946,621	913,989	17.17%	3	3
World	1,107,753	2,108,536	1,000,783	17.46%	4	4

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

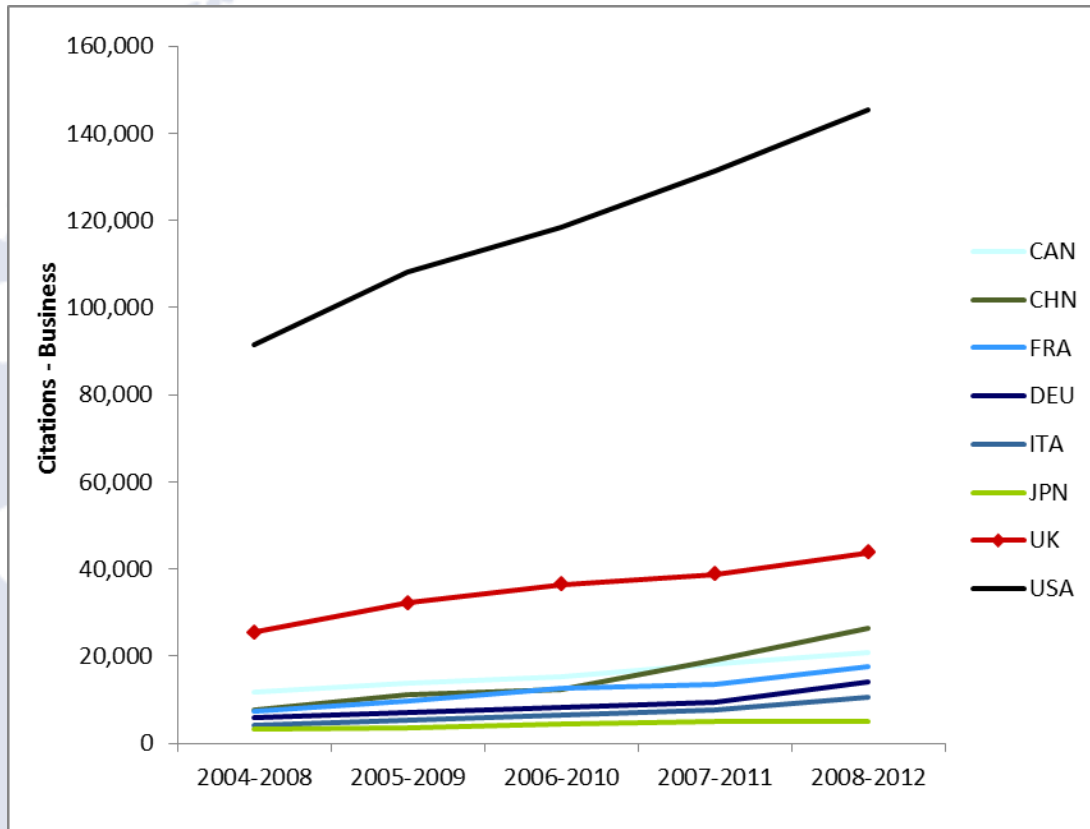
## Citation output – Social Sciences (BIS8)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>42,353</b>	<b>73,440</b>	<b>31,087</b>	<b>14.75%</b>	-	-
G8	203,101	345,444	142,343	14.20%	2	2
EU 27	81,106	162,359	81,253	18.95%	1	1
OECD	245,521	449,204	203,683	16.30%	2	2
World	277,231	497,958	220,727	15.77%	2	2

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

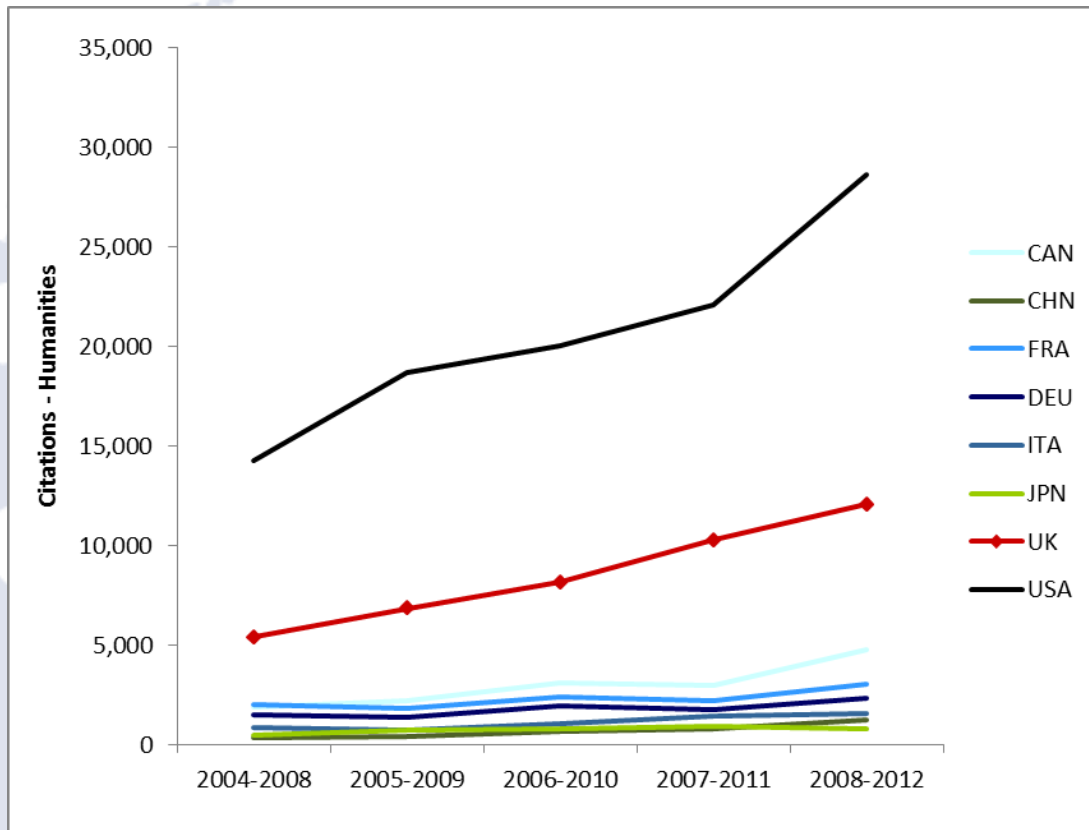
## Citation output – Business (BIS9)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>25,469</b>	<b>43,723</b>	<b>18,254</b>	<b>14.47%</b>	-	-
G8	133,792	229,149	95,357	14.40%	2	2
EU 27	60,956	128,435	67,479	20.48%	1	1
OECD	167,659	313,805	146,146	16.97%	2	2
World	177,155	340,046	162,891	17.71%	2	2

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

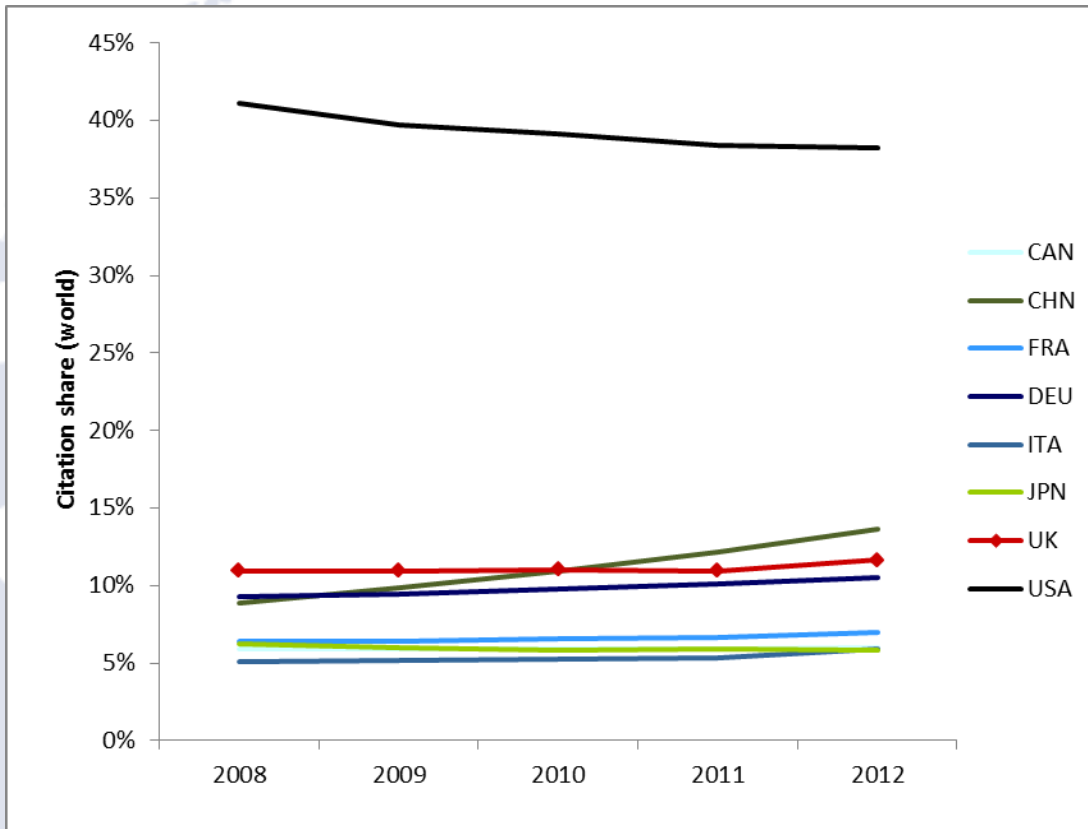
## Citation output – Humanities (BIS10)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>5,391</b>	<b>12,047</b>	<b>6,656</b>	<b>22.27%</b>	-	-
G8	23,629	47,718	24,089	19.21%	2	2
EU 27	11,594	25,489	13,895	21.77%	1	1
OECD	28,094	59,392	31,298	20.58%	2	2
World	35,864	71,915	36,051	19.00%	2	2

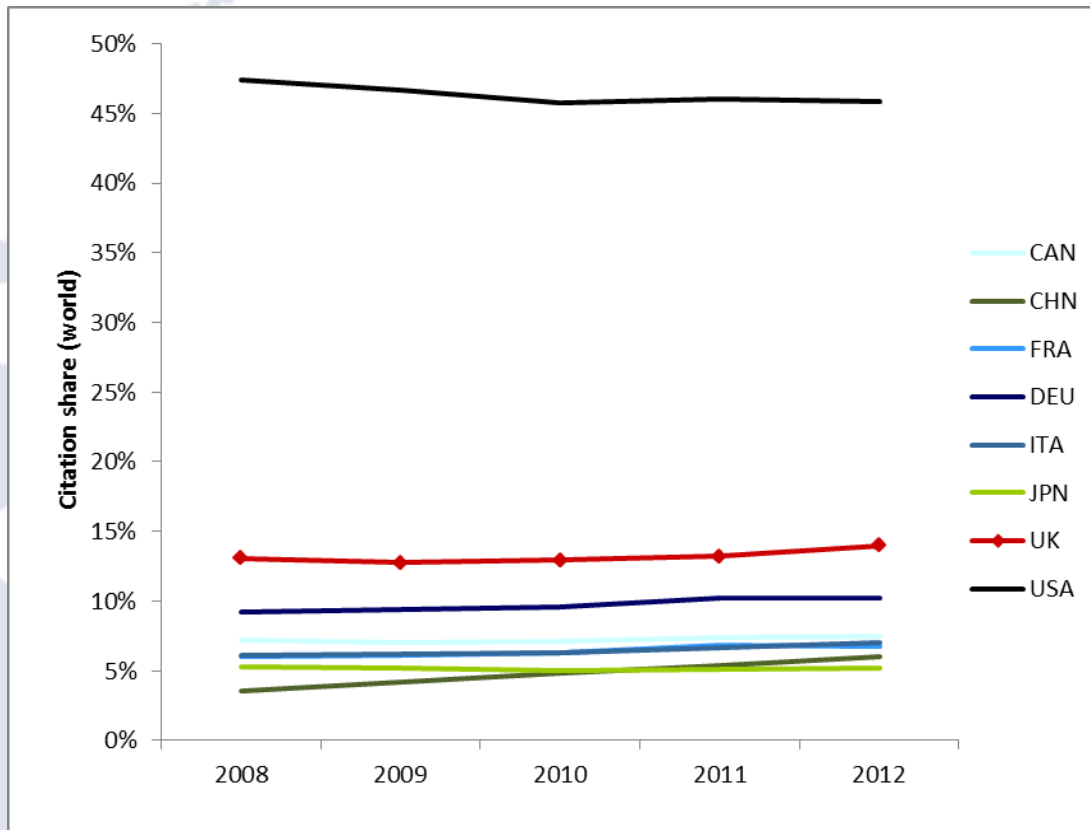
Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

## Citation share (world)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>10.95%</b>	<b>11.63%</b>	<b>0.68%</b>	<b>1.51%</b>	-	-
G8	70.17%	66.41%	-3.76%	-1.37%	2	2
EU 27	39.08%	40.88%	1.80%	1.13%	1	1
OECD	95.46%	95.50%	0.03%	0.01%	2	3
World	100%	100%	-	-	2	3

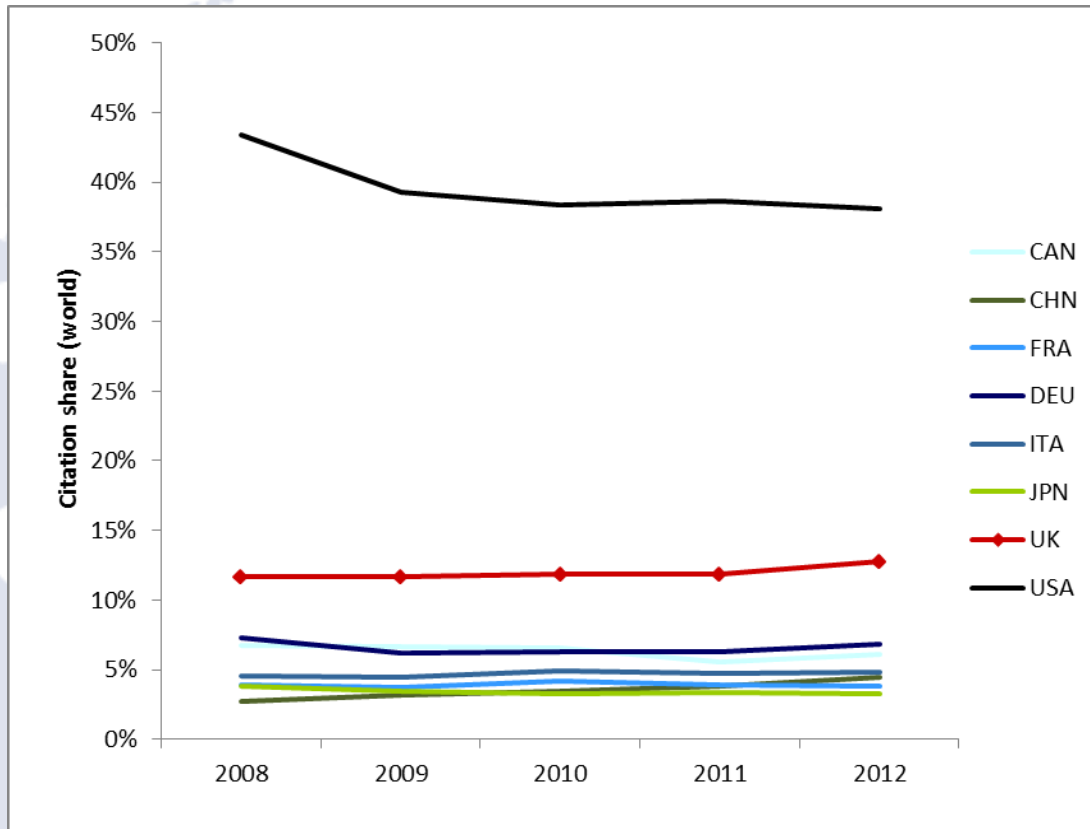
## Citation share (world) – Clinical Sciences (BIS1)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>13.09%</b>	<b>13.98%</b>	<b>0.90%</b>	<b>1.67%</b>	-	-
G8	70.17%	66.41%	-3.76%	-1.37%	2	2
EU 27	39.08%	40.88%	1.80%	1.13%	1	1
OECD	95.46%	95.50%	0.03%	0.01%	2	2
World	100%	100%	-	-	2	2

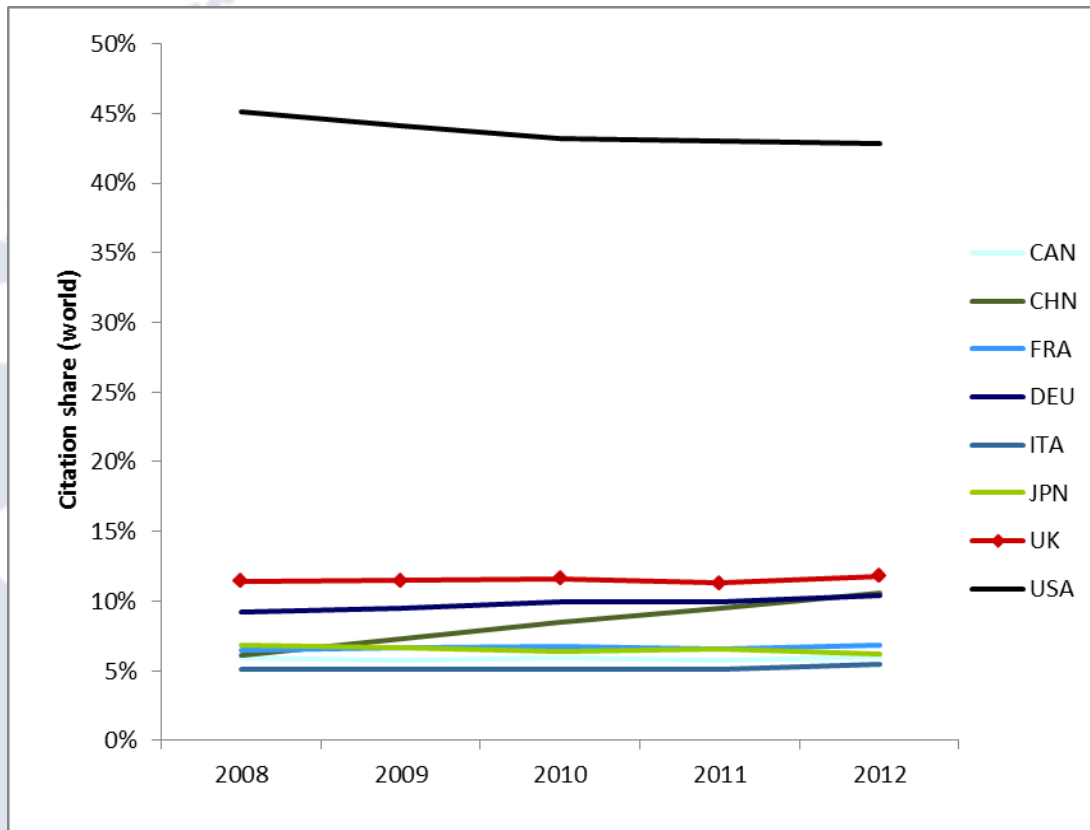


## Citation share (world) – Health &amp; Medical Sciences (BIS2)



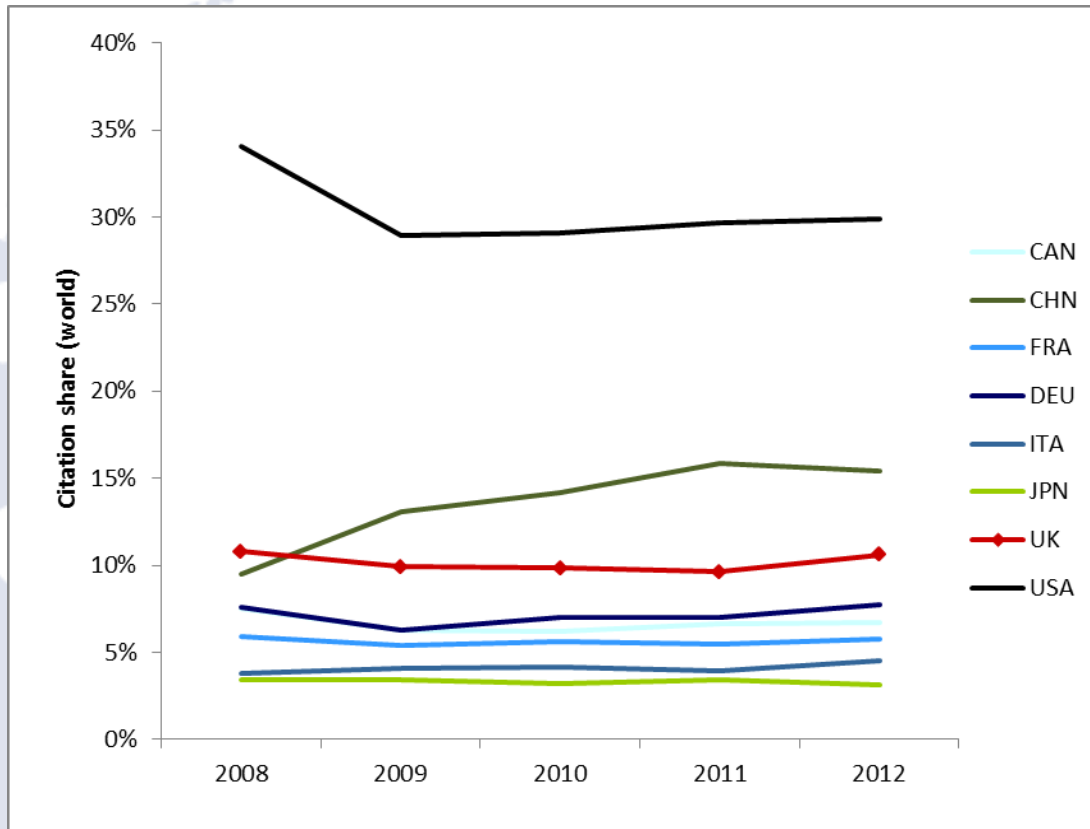
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>11.66%</b>	<b>12.75%</b>	<b>1.09%</b>	<b>2.25%</b>	-	-
G8	70.60%	65.08%	-5.51%	-2.01%	2	2
EU 27	37.40%	39.76%	2.36%	1.54%	1	1
OECD	95.44%	94.11%	-1.34%	-0.35%	2	2
World	100%	100%	-	-	2	2

## Citation share (world) – Biological Sciences (BIS3)



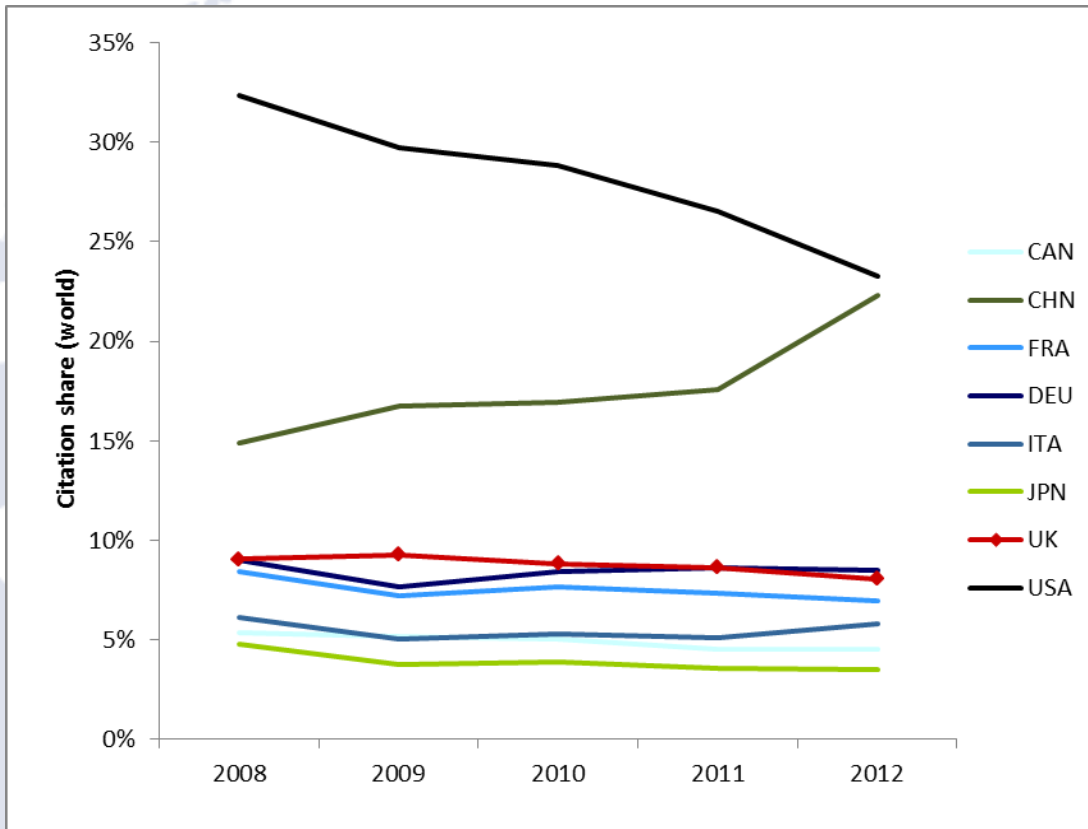
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>11.41%</b>	<b>11.78%</b>	<b>0.37%</b>	<b>0.80%</b>	-	-
G8	74.07%	70.89%	-3.18%	-1.09%	2	2
EU 27	40.32%	41.59%	1.26%	0.77%	1	1
OECD	96.92%	96.88%	-0.04%	-0.01%	2	2
World	100%	100%	-	-	2	2

## Citation share (world) – Environmental Sciences (BIS4)



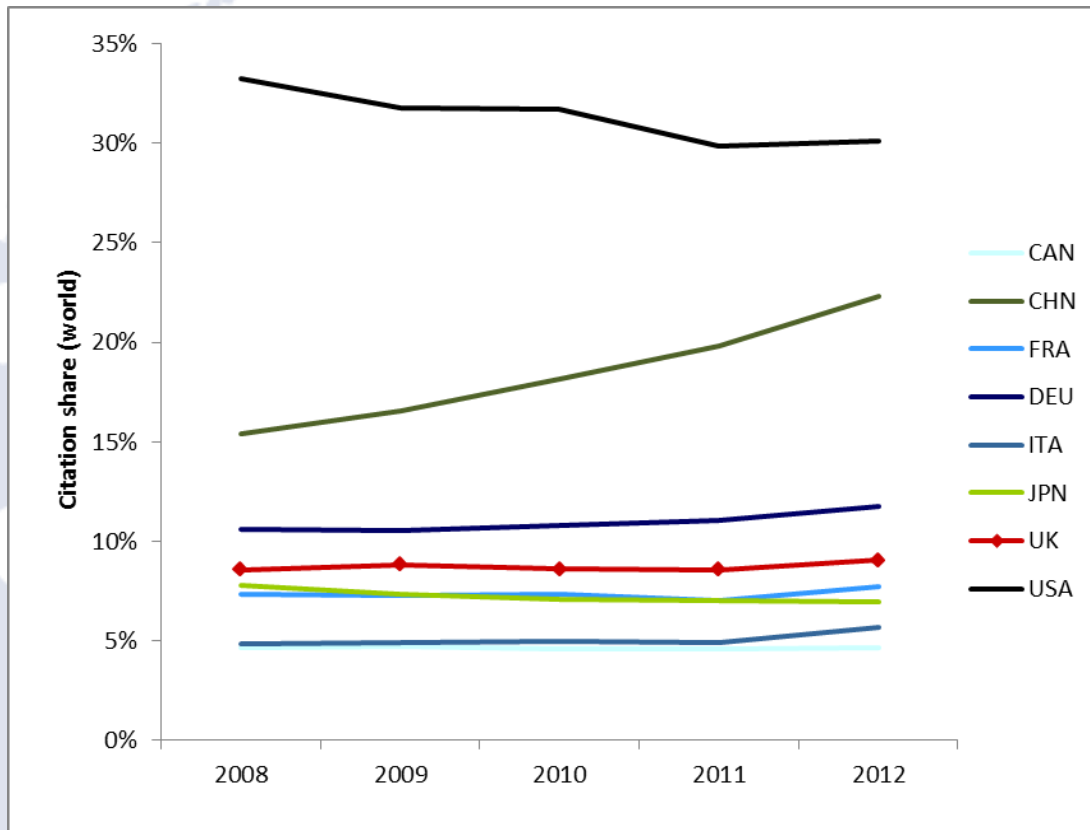
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>10.78%</b>	<b>10.59%</b>	<b>-0.19%</b>	<b>-0.45%</b>	-	-
G8	62.04%	56.85%	-5.19%	-2.16%	2	2
EU 27	40.88%	41.57%	0.70%	0.42%	1	1
OECD	95.16%	94.77%	-0.39%	-0.10%	2	3
World	100%	100%	-	-	2	3

### Citation share (world) – Mathematics (BIS5)



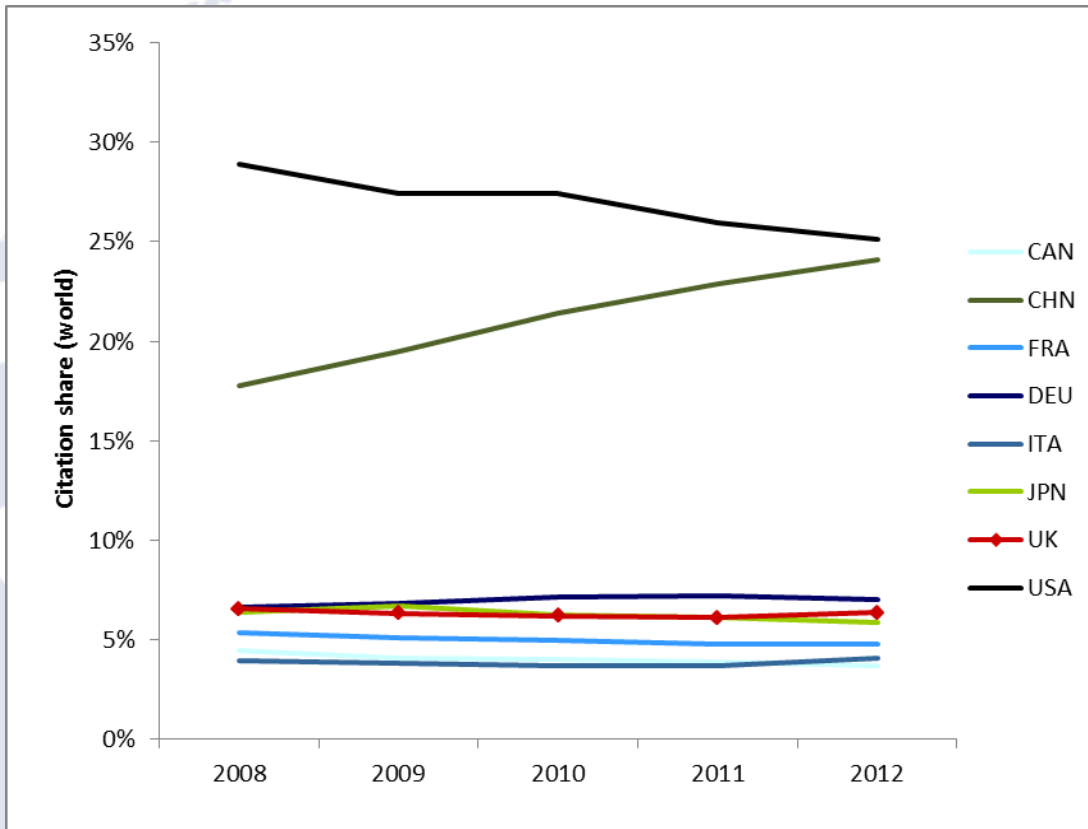
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>9.04%</b>	<b>8.05%</b>	<b>-0.99%</b>	<b>-2.87%</b>	-	-
G8	62.58%	52.64%	-9.94%	-4.23%	2	3
EU 27	41.72%	39.80%	-1.92%	-1.17%	1	2
OECD	92.91%	91.92%	-0.99%	-0.27%	3	4
World	100%	100%	-	-	3	4

## Citation share (world) – Physical Sciences (BIS6)



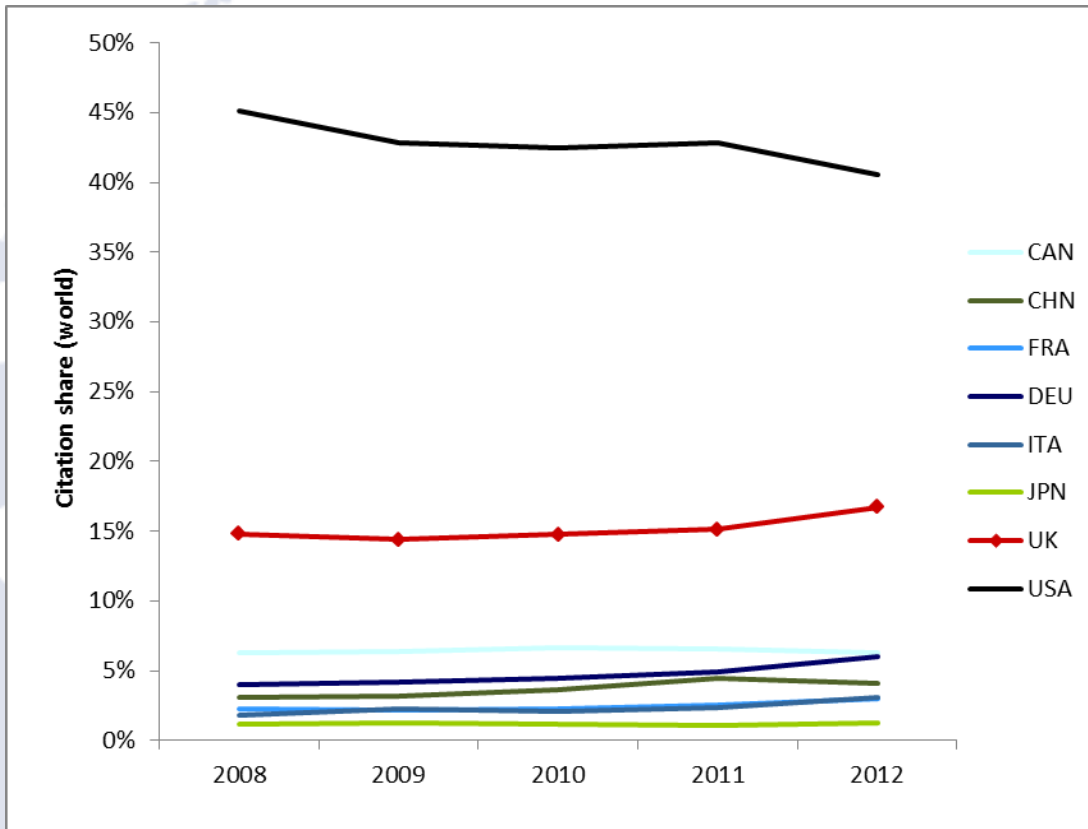
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>8.57%</b>	<b>9.07%</b>	<b>0.50%</b>	<b>1.42%</b>	-	-
G8	64.24%	58.64%	-5.60%	-2.25%	3	3
EU 27	38.18%	38.29%	0.11%	0.07%	2	2
OECD	94.88%	94.48%	-0.40%	-0.10%	4	4
World	100%	100%	-	-	4	4

### Citation share (world) – Engineering (BIS7)



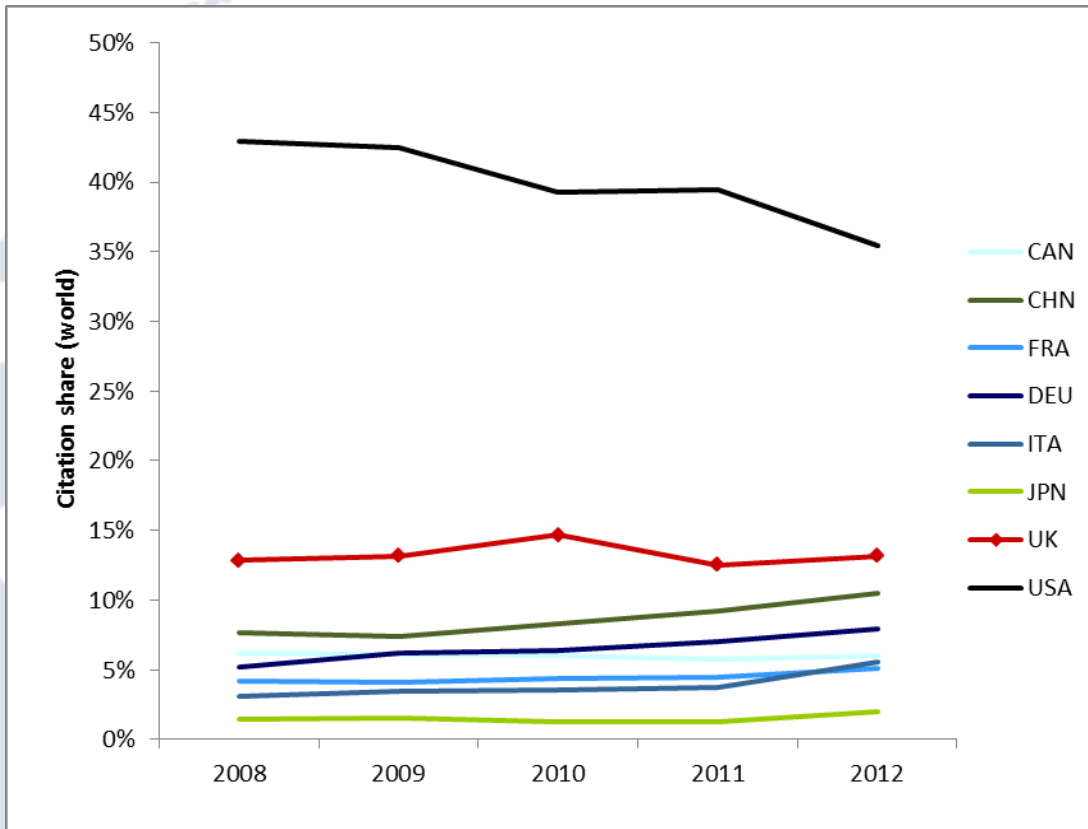
	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>6.57%</b>	<b>6.38%</b>	<b>-0.19%</b>	<b>-0.73%</b>	-	-
G8	56.03%	50.57%	-5.46%	-2.53%	3	3
EU 27	32.22%	31.79%	-0.43%	-0.34%	2	2
OECD	92.33%	91.98%	-0.35%	-0.09%	4	4
World	100%	100%	-	-	4	4

### Citation share (world) – Social Sciences (BIS8)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>14.81%</b>	<b>16.74%</b>	<b>1.93%</b>	<b>3.11%</b>	-	-
G8	69.49%	68.49%	-1.00%	-0.36%	2	2
EU 27	32.61%	40.09%	7.48%	5.30%	1	1
OECD	90.27%	94.02%	3.75%	1.02%	2	2
World	100%	100%	-	-	2	2

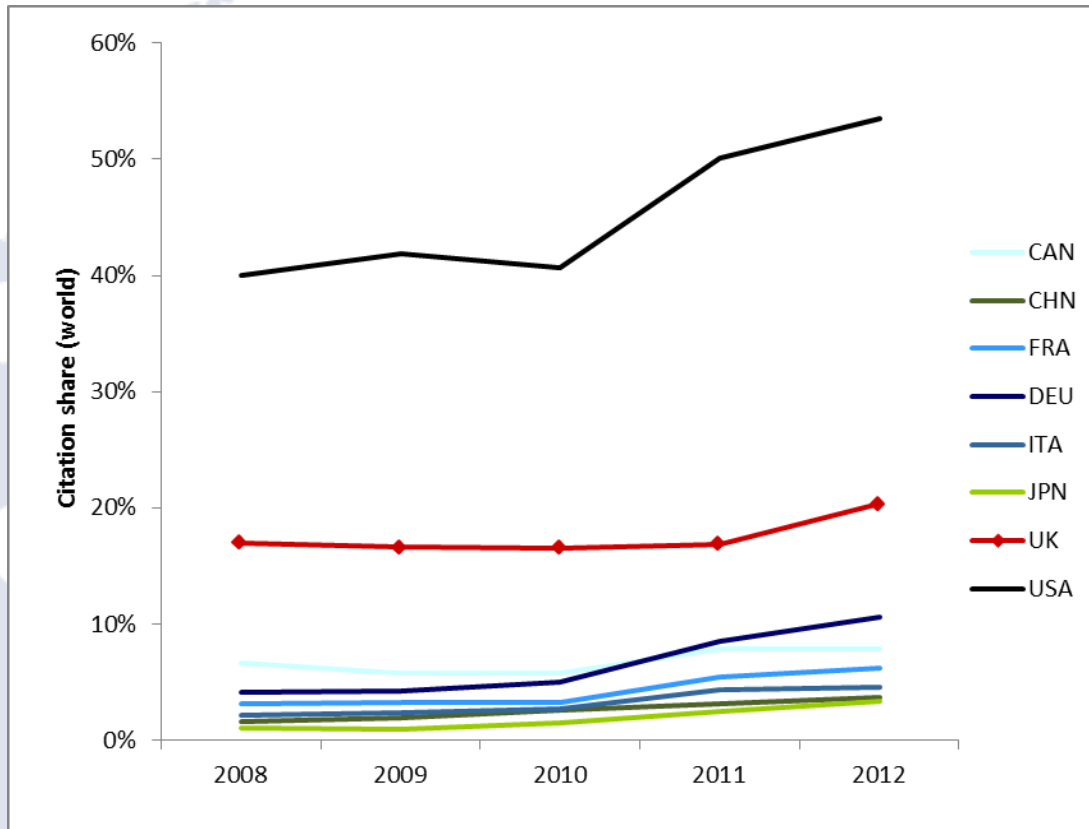
## Citation share (world) – Business (BIS9)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>12.87%</b>	<b>13.15%</b>	<b>0.28%</b>	<b>0.53%</b>	-	-
G8	67.56%	64.14%	-3.42%	-1.29%	2	2
EU 27	37.71%	45.55%	7.84%	4.84%	1	1
OECD	92.37%	93.58%	1.21%	0.33%	2	2
World	100%	100%	-	-	2	2

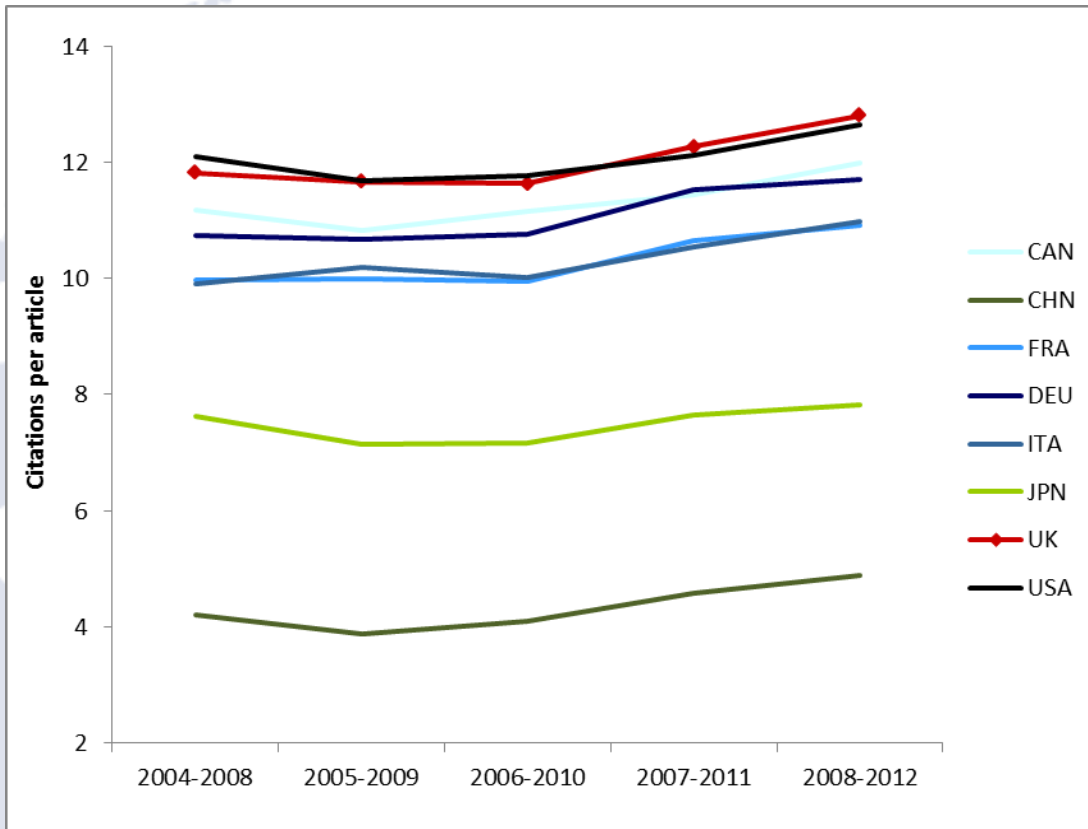


## Citation share (world) – Humanities (BIS10)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>16.98%</b>	<b>20.37%</b>	<b>3.39%</b>	<b>4.65%</b>	-	-
G8	66.71%	81.72%	15.01%	5.20%	2	2
EU 27	35.55%	47.66%	12.11%	7.60%	1	1
OECD	82.73%	96.84%	14.11%	4.01%	2	2
World	100%	100%	-	-	2	2

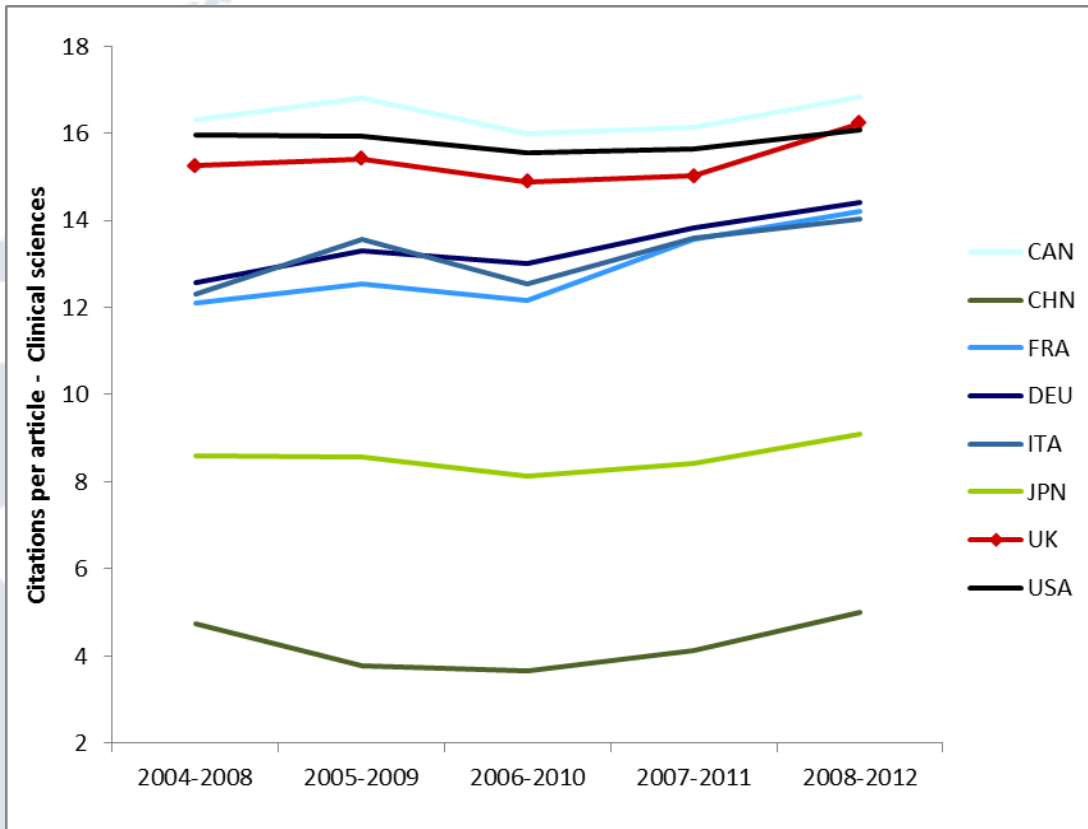
## Citations per article



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>11.81</b>	<b>12.80</b>	<b>0.99</b>	<b>2.03%</b>	-	-
G8	9.91	10.46	0.55	1.36%	2	1
EU 27	9.35	9.82	0.47	1.23%	4	5
OECD	8.55	8.59	0.04	0.12%	7	7
World	7.37	7.67	0.30	1.00%	5	10

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

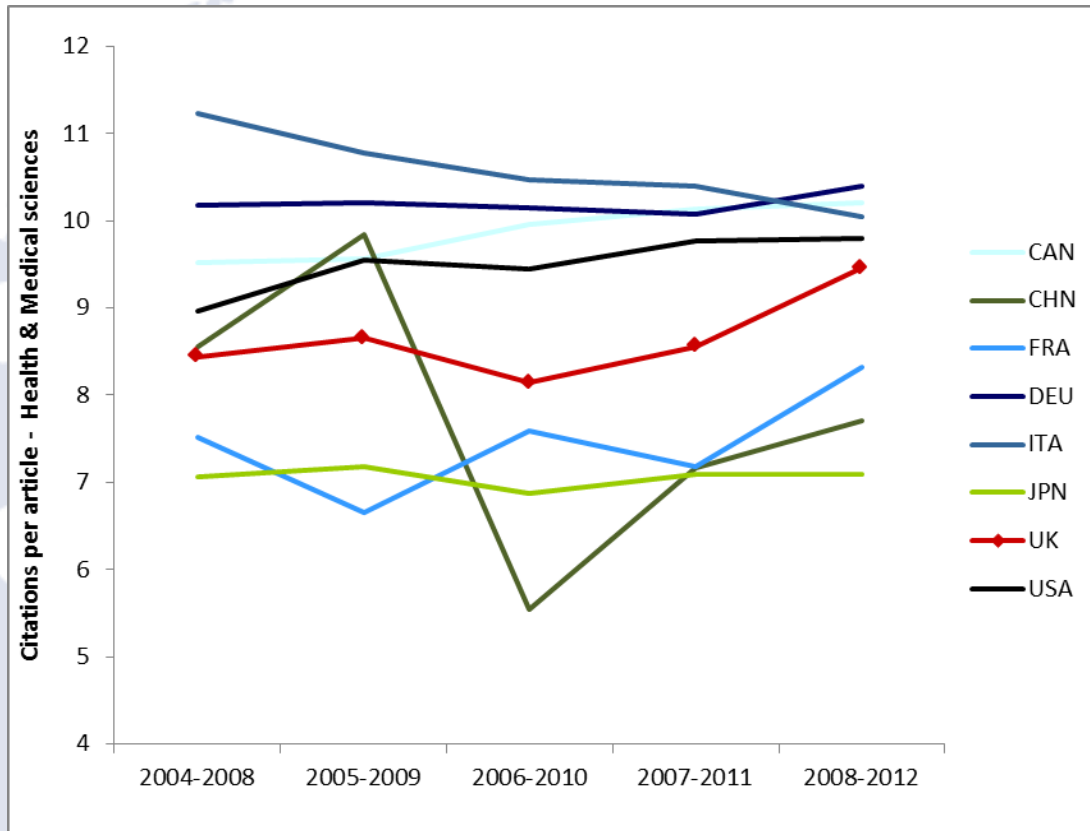
### Citations per article – Clinical Sciences (BIS1)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>15.25</b>	<b>16.23</b>	<b>0.98</b>	<b>1.56%</b>	-	-
G8	13.08	13.43	0.35	0.66%	3	2
EU 27	11.34	12.11	0.77	1.66%	7	6
OECD	11.36	11.22	-0.14	-0.31%	11	10
World	10.39	10.08	-0.31	-0.75%	13	11

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

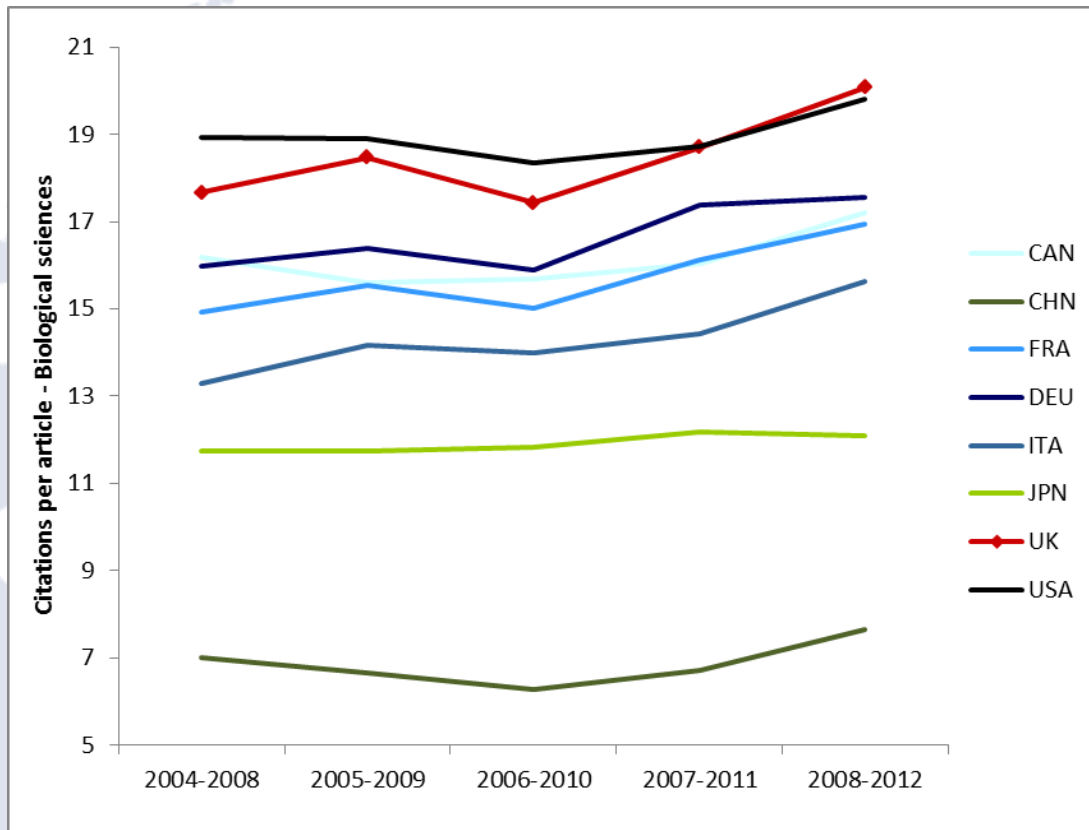
## Citations per article – Health & Medical Sciences (BIS2)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>8.44</b>	<b>9.45</b>	<b>1.01</b>	<b>2.87%</b>	-	-
G8	8.35	8.95	0.6	1.75%	4	4
EU 27	8.32	8.64	0.32	0.95%	14	12
OECD	7.81	8.01	0.2	0.63%	21	15
World	7.17	7.31	0.14	0.48%	23	17

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

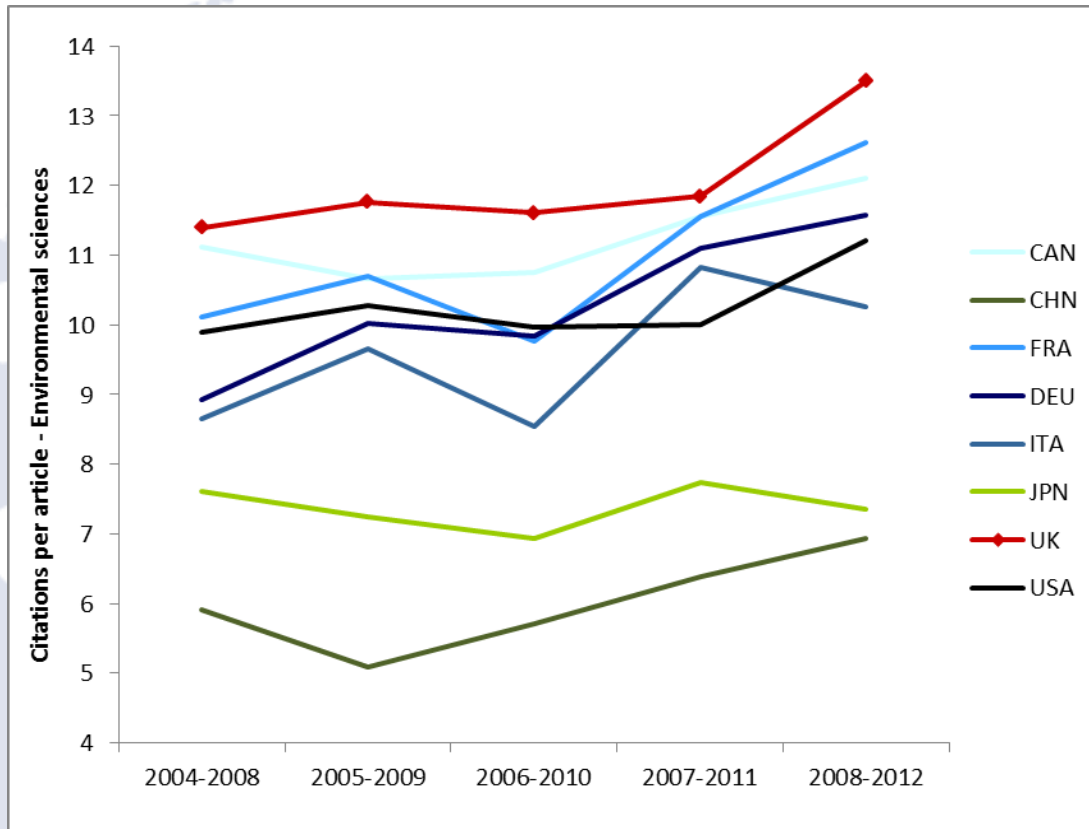
## Citations per article – Biological Sciences (BIS3)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>17.66</b>	<b>20.07</b>	<b>2.41</b>	<b>3.25%</b>	-	-
G8	15.57	16.50	0.93	1.46%	2	1
EU 27	13.83	15.06	1.23	2.16%	1	2
OECD	13.42	13.58	0.16	0.29%	3	4
World	12.86	12.88	0.02	0.03%	4	6

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

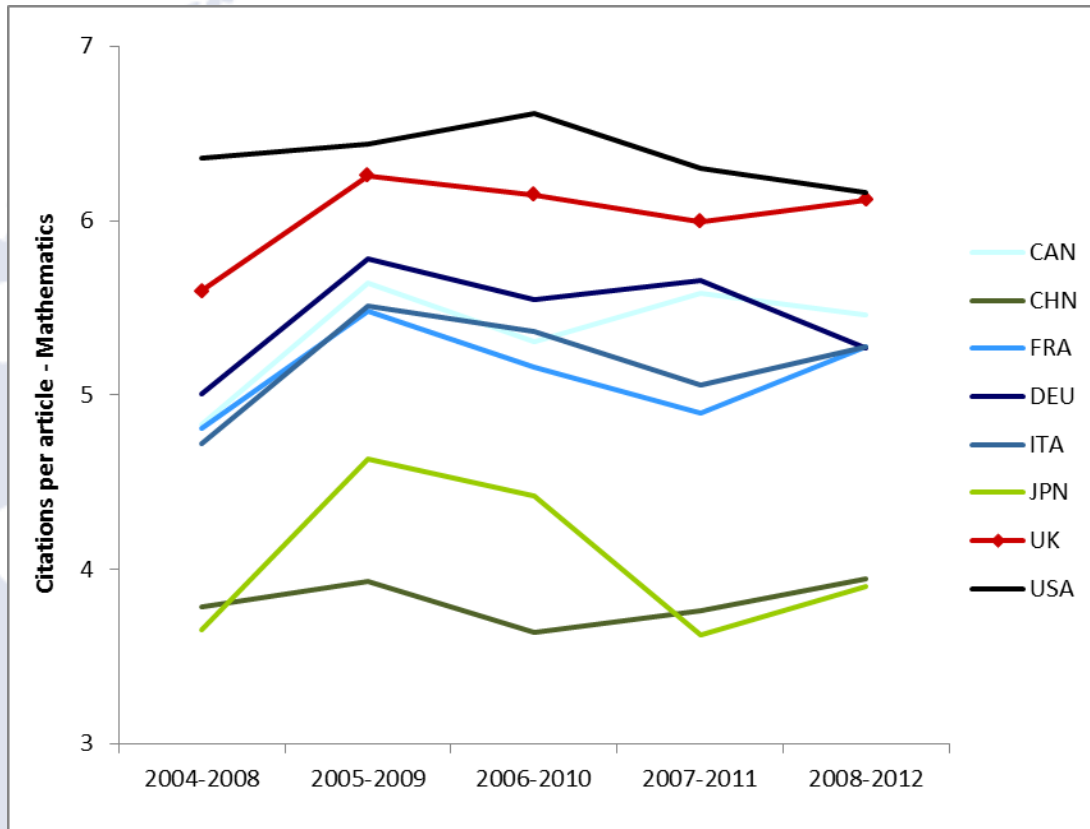
## Citations per article – Environmental Sciences (BIS4)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>11.40</b>	<b>13.50</b>	<b>2.10</b>	<b>4.32%</b>	-	-
G8	9.09	10.44	1.35	3.53%	1	1
EU 27	9.31	10.85	1.54	3.91%	5	6
OECD	8.30	9.34	1.04	3.00%	7	6
World	7.55	8.69	1.14	3.58%	7	7

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

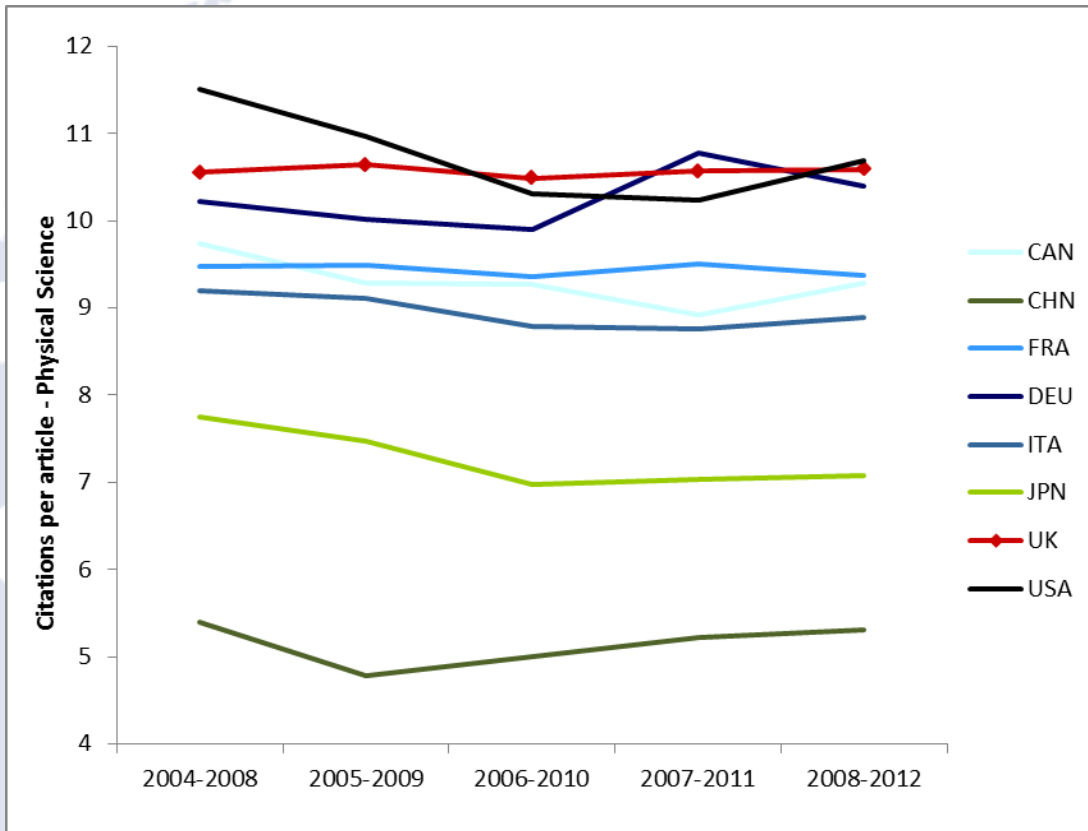
## Citations per article – Mathematics (BIS5)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>5.60</b>	<b>6.12</b>	<b>0.52</b>	<b>2.26%</b>	-	-
G8	9.09	10.44	1.35	3.53%	2	2
EU 27	9.31	10.85	1.54	3.91%	3	8
OECD	8.30	9.34	1.04	3.00%	6	10
World	7.55	8.69	1.14	3.58%	7	11

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

### Citations per article – Physical Sciences (BIS6)

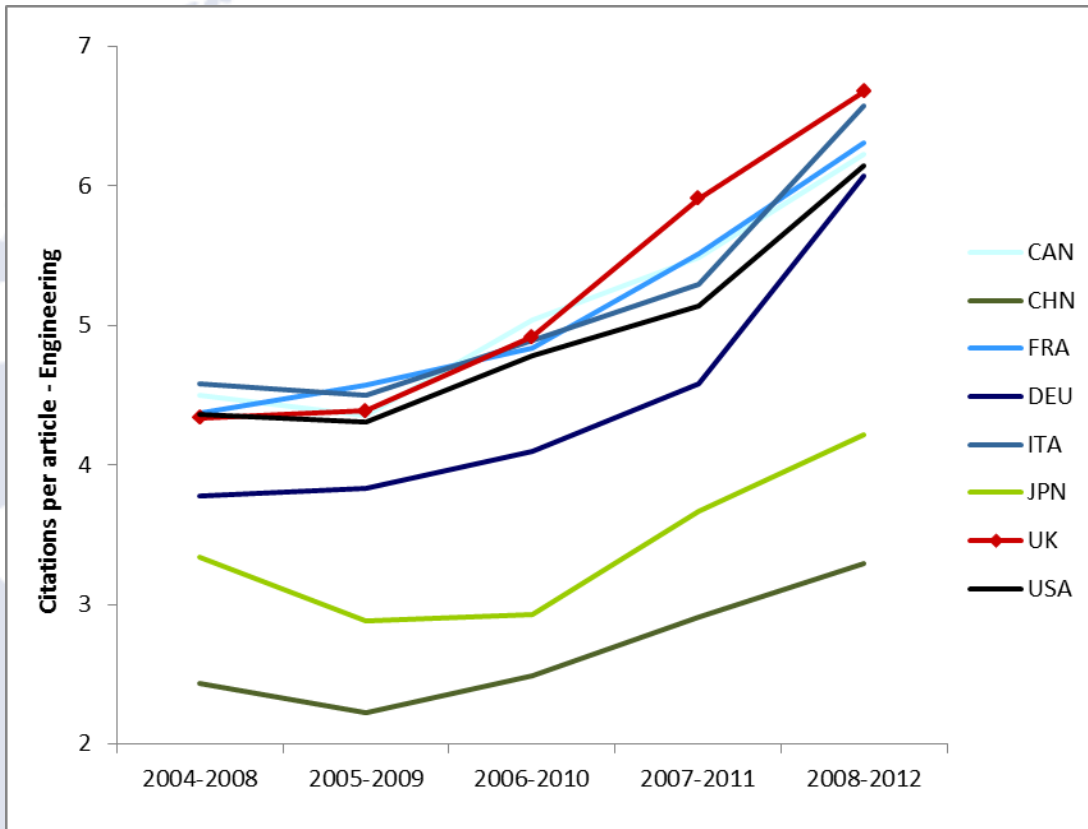


	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>10.55</b>	<b>10.59</b>	<b>0.04</b>	<b>0.09%</b>	-	-
G8	8.99	8.74	-0.25	-0.71%	2	2
EU 27	8.70	8.45	-0.25	-0.73%	3	3
OECD	7.89	7.33	-0.56	-1.82%	7	6
World	7.26	6.93	-0.33	-1.15%	7	8

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.



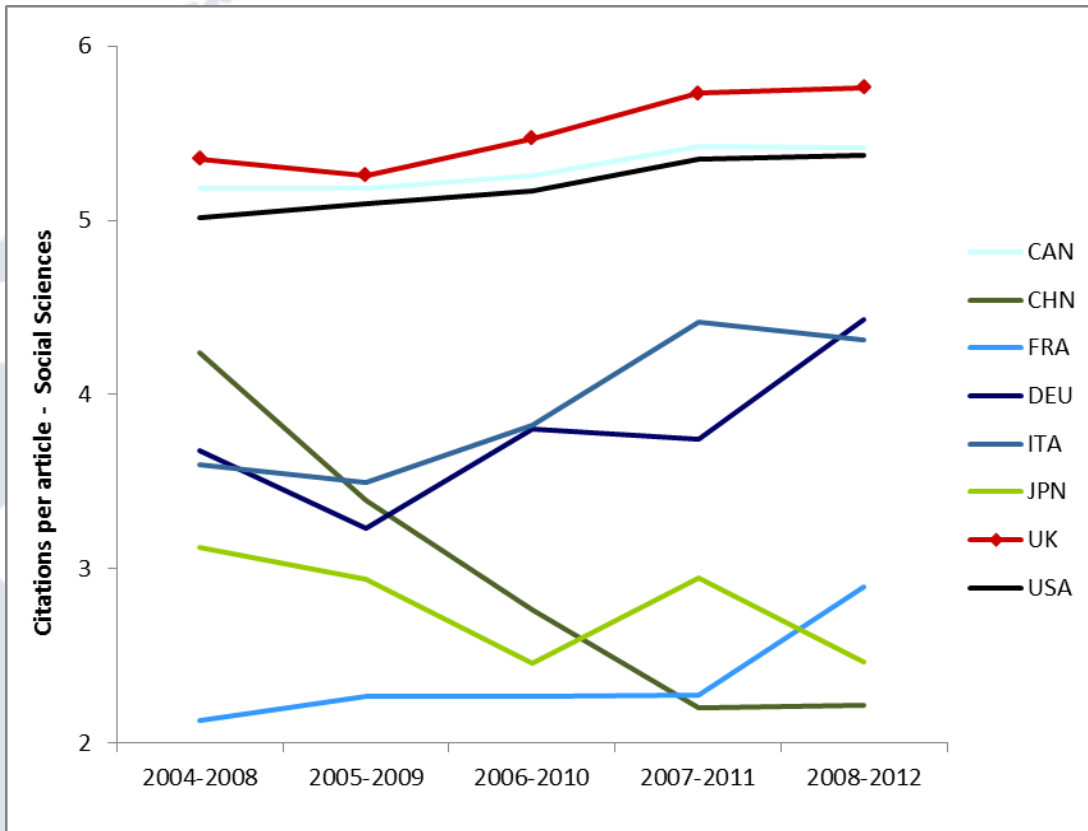
### Citations per article – Engineering (BIS7)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>4.34</b>	<b>6.68</b>	<b>2.34</b>	<b>11.38%</b>	-	-
G8	3.91	5.58	1.66	9.26%	5	1
EU 27	4.17	5.92	1.75	9.17%	11	8
OECD	3.64	4.83	1.19	7.35%	19	13
World	3.12	4.43	1.31	9.14%	22	14

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

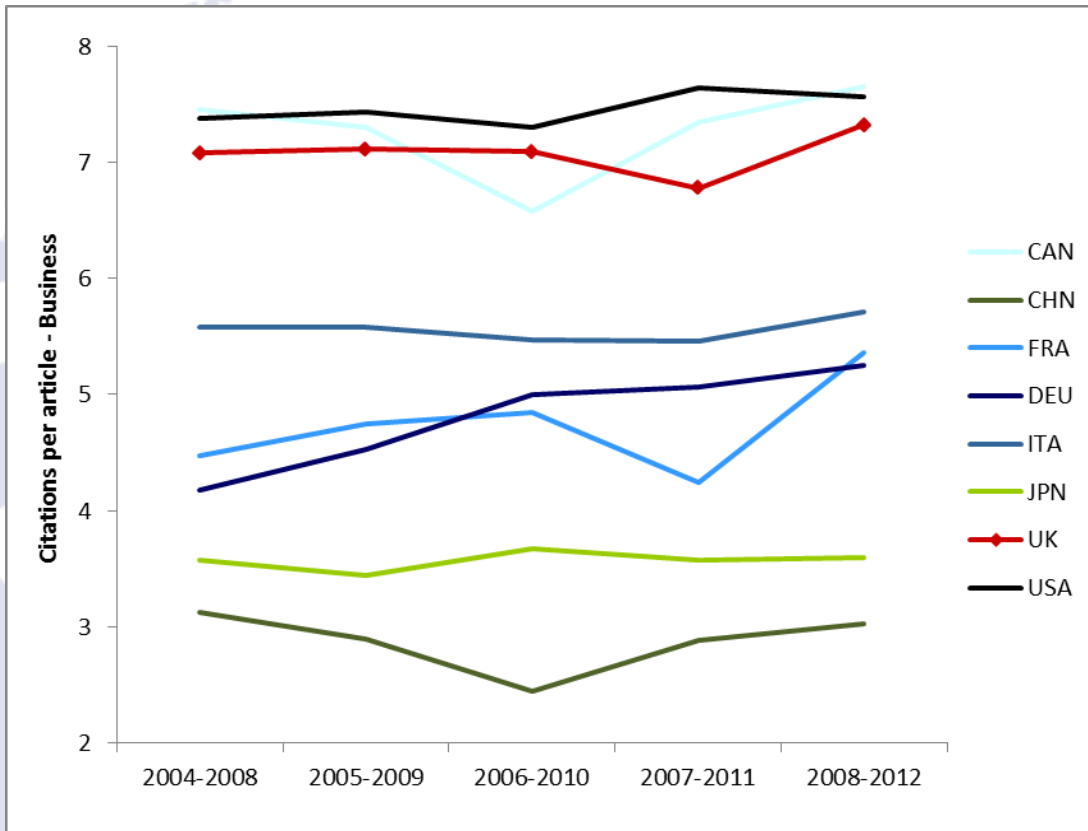
### Citations per article – Social Sciences (BIS8)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>5.35</b>	<b>5.76</b>	<b>0.41</b>	<b>1.86%</b>	-	-
G8	4.61	4.90	0.29	1.55%	1	1
EU 27	4.20	4.55	0.35	2.01%	4	4
OECD	4.37	4.38	0.01	0.05%	4	4
World	3.12	3.41	0.28	2.21%	5	7

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

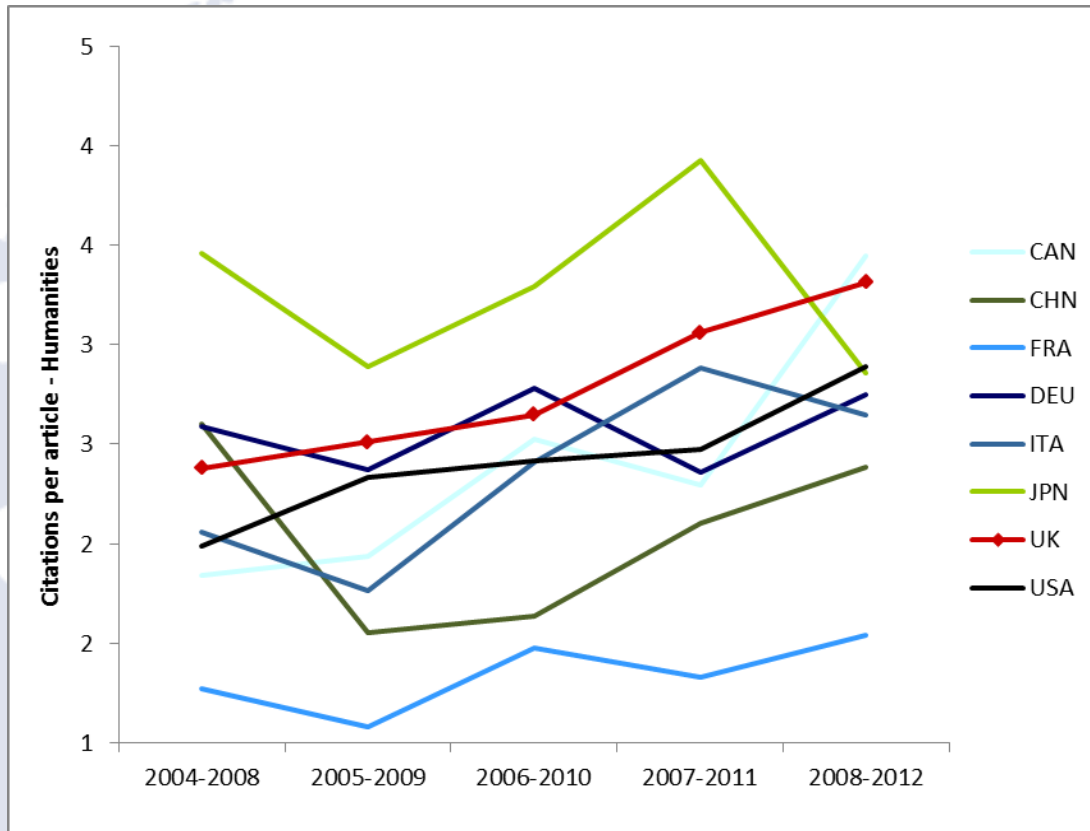
### Citations per article – Business (BIS9)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>7.08</b>	<b>7.32</b>	<b>0.24</b>	<b>0.84%</b>	-	-
G8	4.61	4.90	0.29	1.55%	3	3
EU 27	4.20	4.55	0.35	2.01%	3	5
OECD	4.37	4.38	0.01	0.05%	5	7
World	3.12	3.41	0.28	2.21%	6	12

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

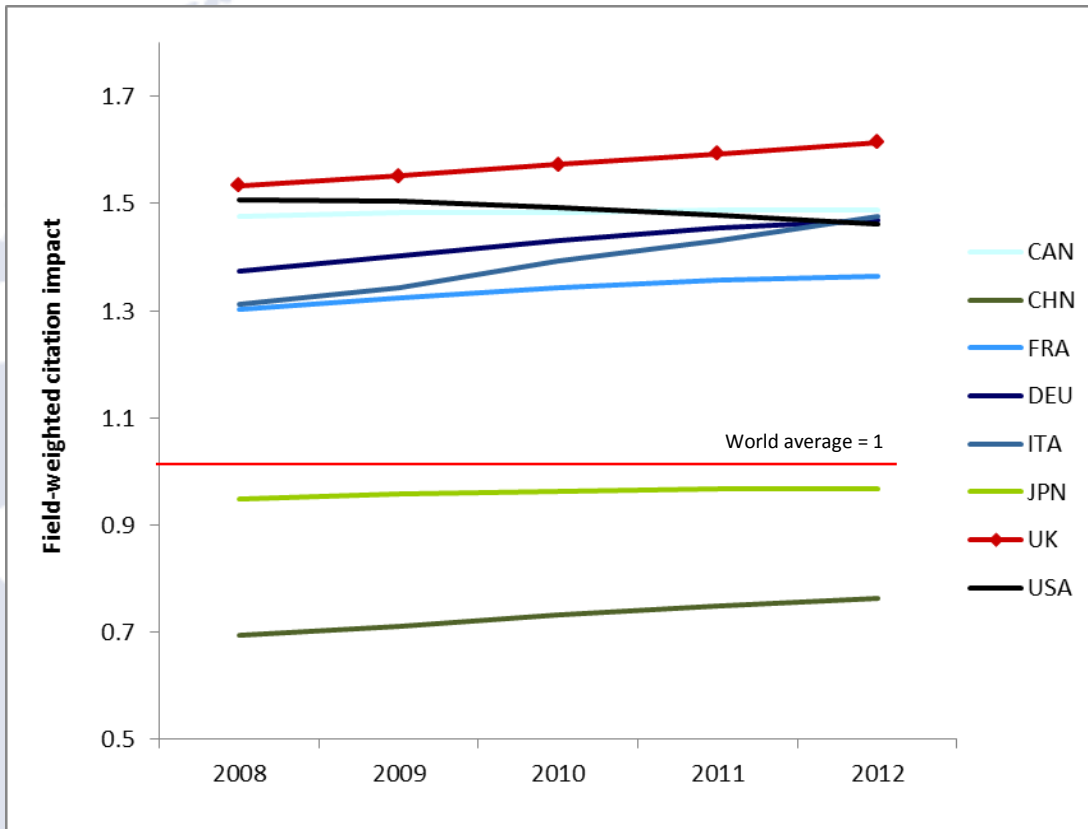
### Citations per article – Humanities (BIS10)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>2.38</b>	<b>3.31</b>	<b>0.93</b>	<b>8.63%</b>	-	-
G8	1.88	2.67	0.80	9.24%	2	2
EU 27	1.79	2.47	0.69	8.49%	4	4
OECD	1.74	2.40	0.66	8.35%	7	7
World	0.69	1.14	0.45	13.28%	12	10

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012.

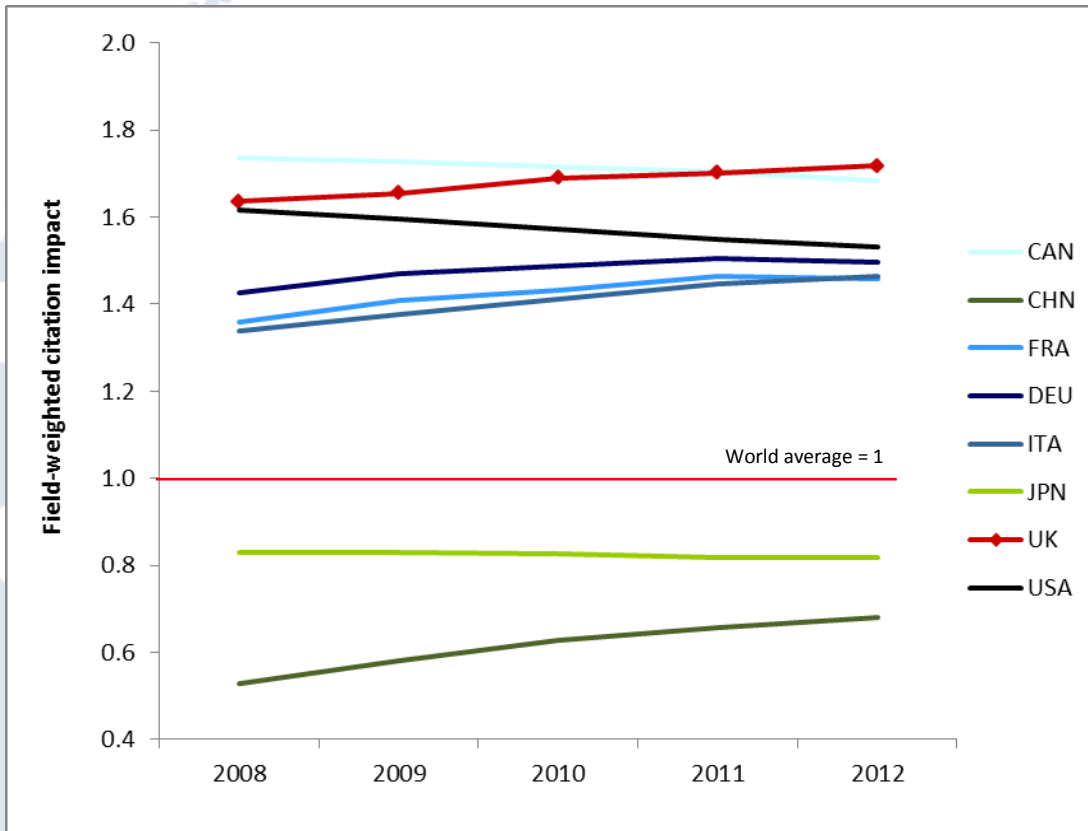
## Field-weighted citation impact



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1.53</b>	<b>1.61</b>	<b>0.08</b>	<b>1.28%</b>	-	-
G8	1.28	1.28	0.00	-0.04%	1	1
EU 27	1.23	1.28	0.05	1.04%	5	6
OECD	1.09	1.07	-0.02	-0.58%	7	8
World	1	1	-	-	9	11

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

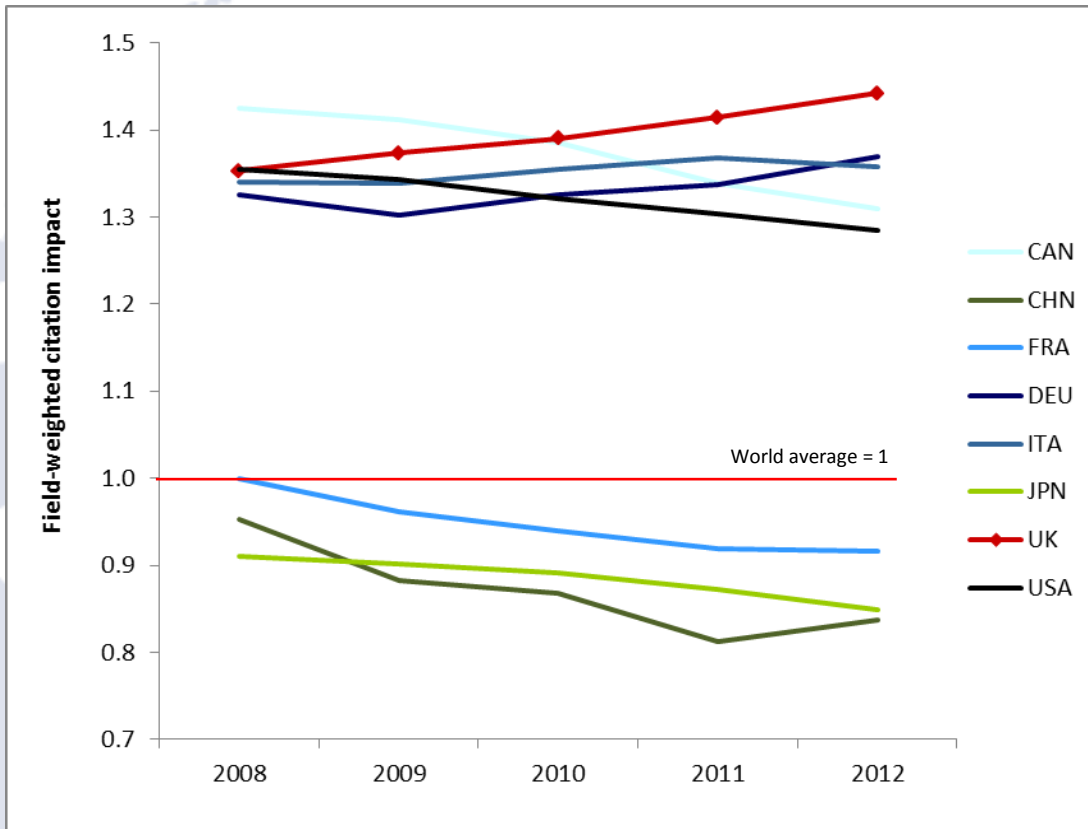
## Field-weighted citation impact – Clinical Sciences (BIS1)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1.64</b>	<b>1.72</b>	<b>0.08</b>	<b>1.23%</b>	-	-
G8	1.34	1.31	-0.04	-0.71%	2	1
EU 27	1.21	1.26	0.05	1.10%	6	9
OECD	1.14	1.11	-0.03	-0.67%	10	11
World	1	1	-	-	12	14

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

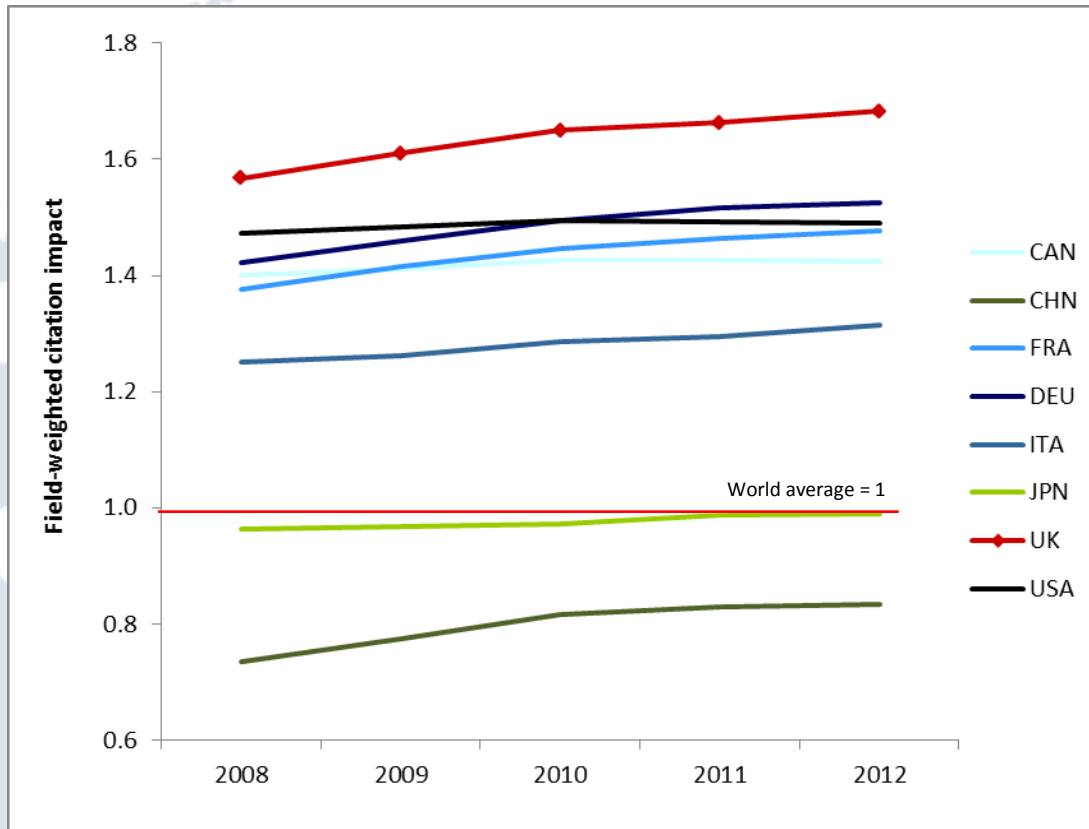
## Field-weighted citation impact – Health & Medical Sciences (BIS2)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1.35</b>	<b>1.44</b>	<b>0.09</b>	<b>1.61%</b>	-	-
G8	1.24	1.19	-0.04	-0.84%	3	1
EU 27	1.19	1.20	0.01	0.31%	8	11
OECD	1.12	1.06	-0.06	-1.43%	13	12
World	1	1	-	-	17	18

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

## Field-weighted citation impact – Biological Sciences (BIS3)

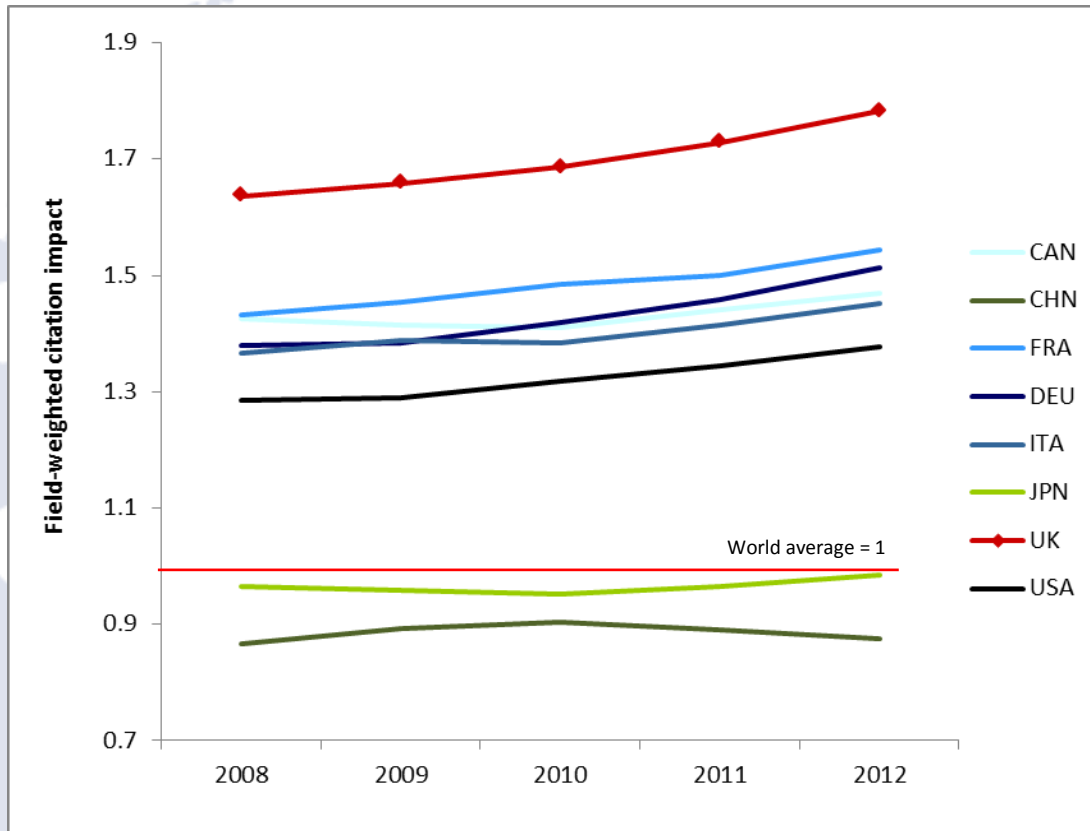


	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1.57</b>	<b>1.68</b>	<b>0.12</b>	<b>1.79%</b>	-	-
G8	1.29	1.32	0.03	0.60%	1	1
EU 27	1.25	1.32	0.06	1.19%	5	3
OECD	1.11	1.11	-0.01	-0.16%	7	5
World	1	1	-	-	8	8

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.



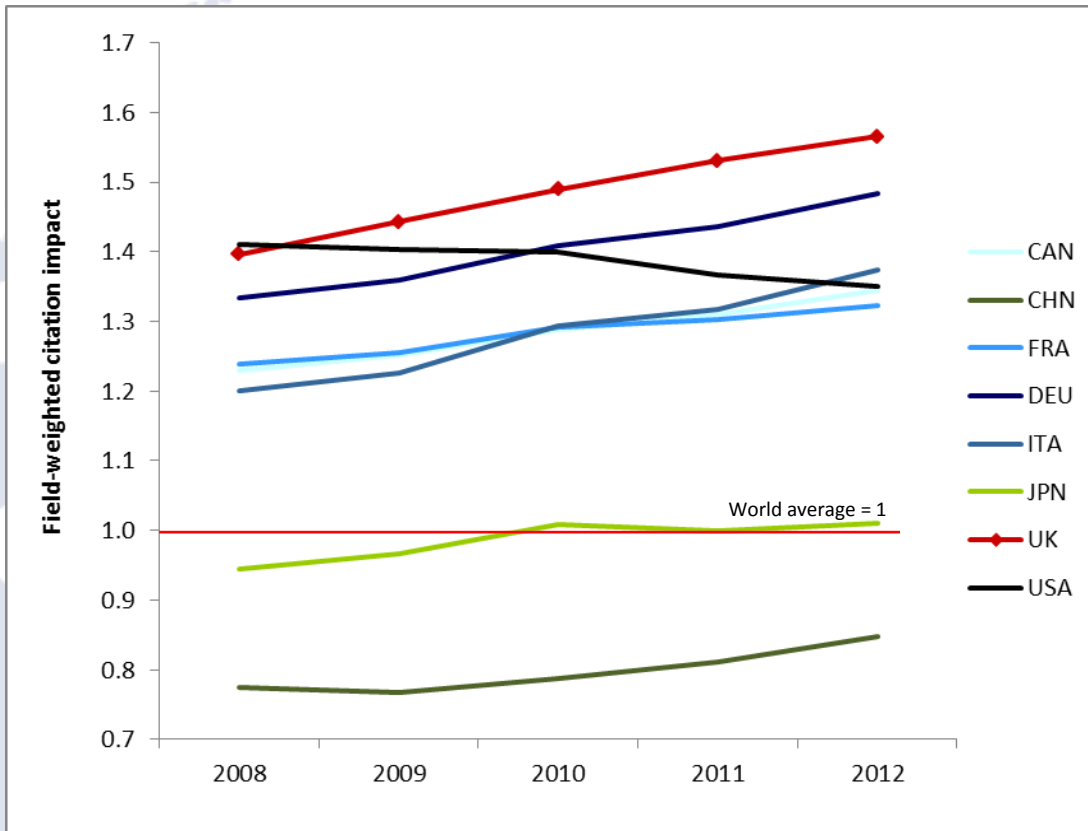
## Field-weighted citation impact – Environmental Sciences (BIS4)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1.64</b>	<b>1.78</b>	<b>0.15</b>	<b>2.14%</b>	-	-
G8	1.24	1.32	0.08	1.55%	1	1
EU 27	1.35	1.39	0.04	0.79%	6	4
OECD	1.14	1.14	0.00	0.04%	7	5
World	1	1	-	-	11	9

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

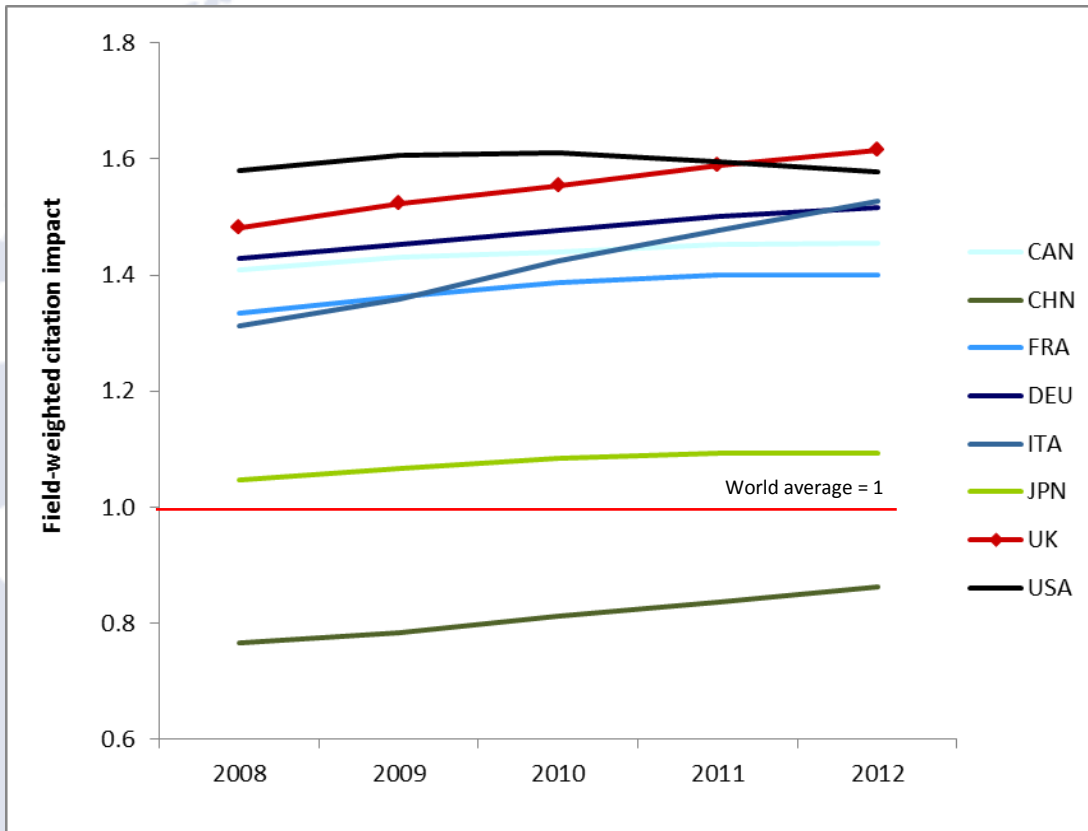
## Field-weighted citation impact – Mathematics (BIS5)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1.40</b>	<b>1.57</b>	<b>0.17</b>	<b>2.90%</b>	-	-
G8	1.20	1.26	0.05	1.10%	2	1
EU 27	1.18	1.30	0.12	2.42%	7	6
OECD	1.05	1.10	0.05	1.12%	8	10
World	1	1	-	-	14	10

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

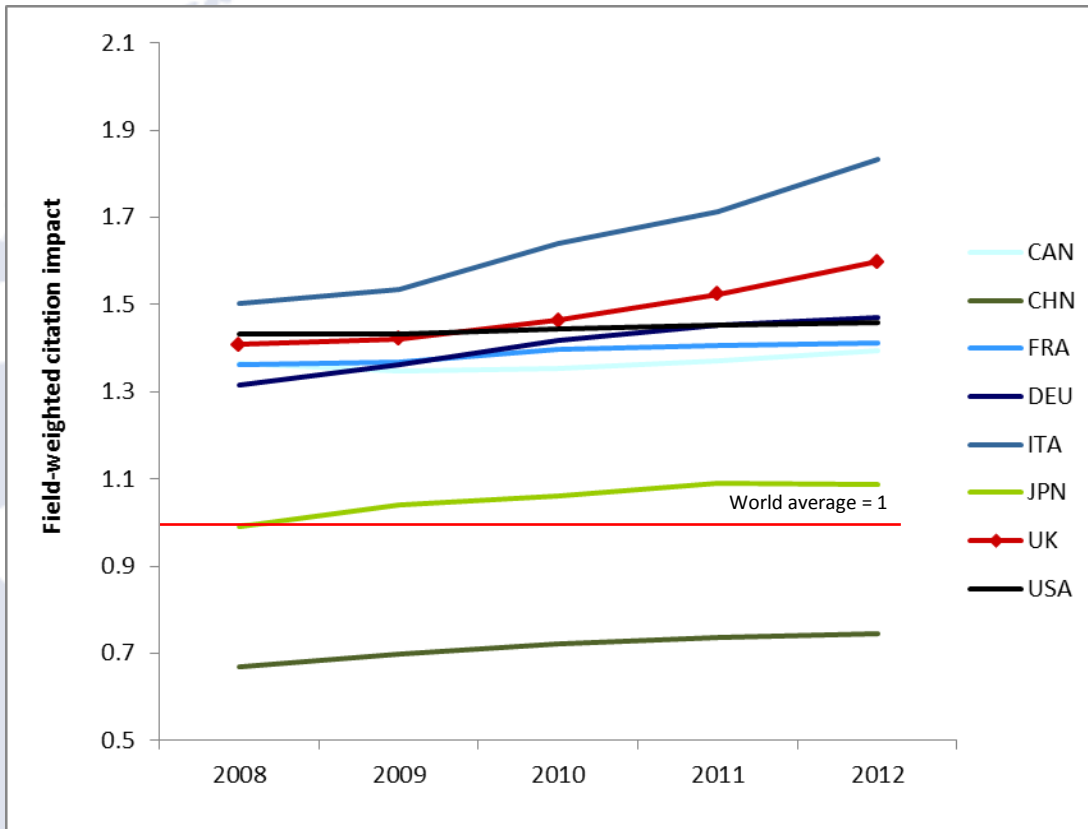
## Field-weighted citation impact – Physical Sciences (BIS6)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1.48</b>	<b>1.62</b>	<b>0.13</b>	<b>2.17%</b>	-	-
G8	1.30	1.34	0.04	0.74%	2	1
EU 27	1.26	1.34	0.08	1.59%	4	6
OECD	1.10	1.12	0.02	0.43%	7	7
World	1	1	-	-	10	12

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

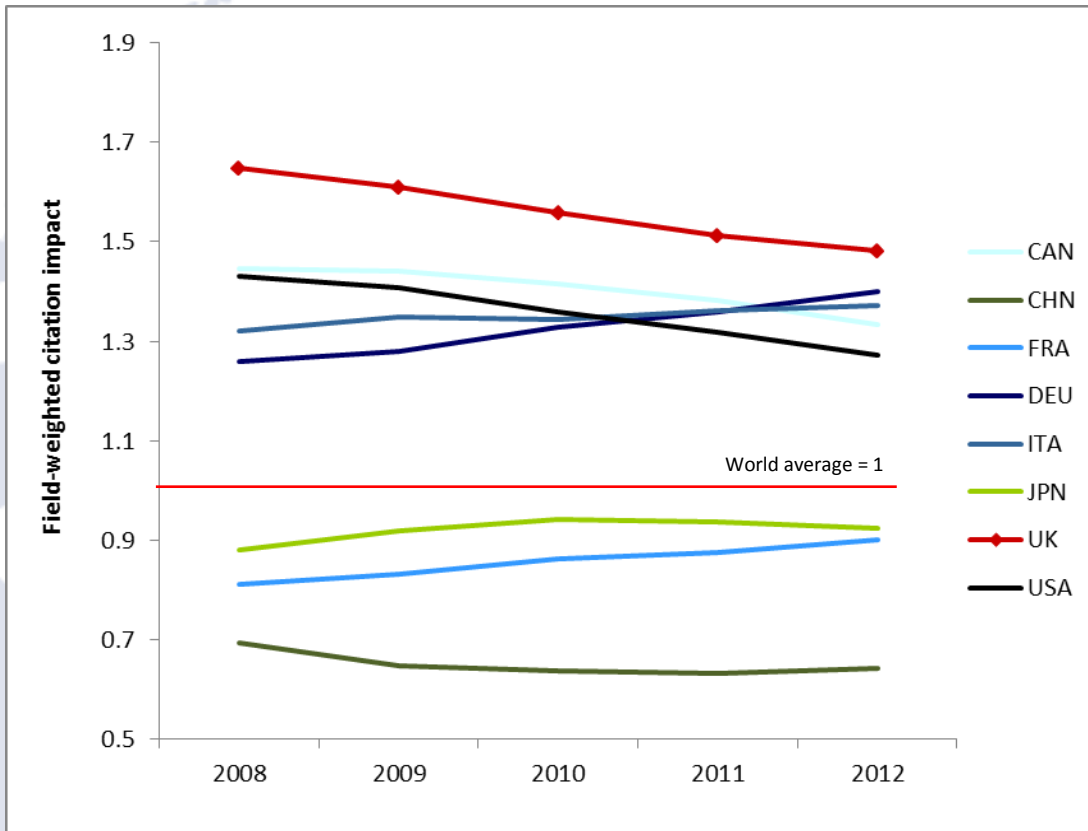
## Field-weighted citation impact – Engineering (BIS7)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1.41</b>	<b>1.60</b>	<b>0.19</b>	<b>3.22%</b>	-	-
G8	1.30	1.40	0.11	2.02%	3	2
EU 27	1.27	1.34	0.07	1.35%	8	6
OECD	1.06	1.06	0.00	0.02%	12	8
World	1	1	-	-	15	12

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

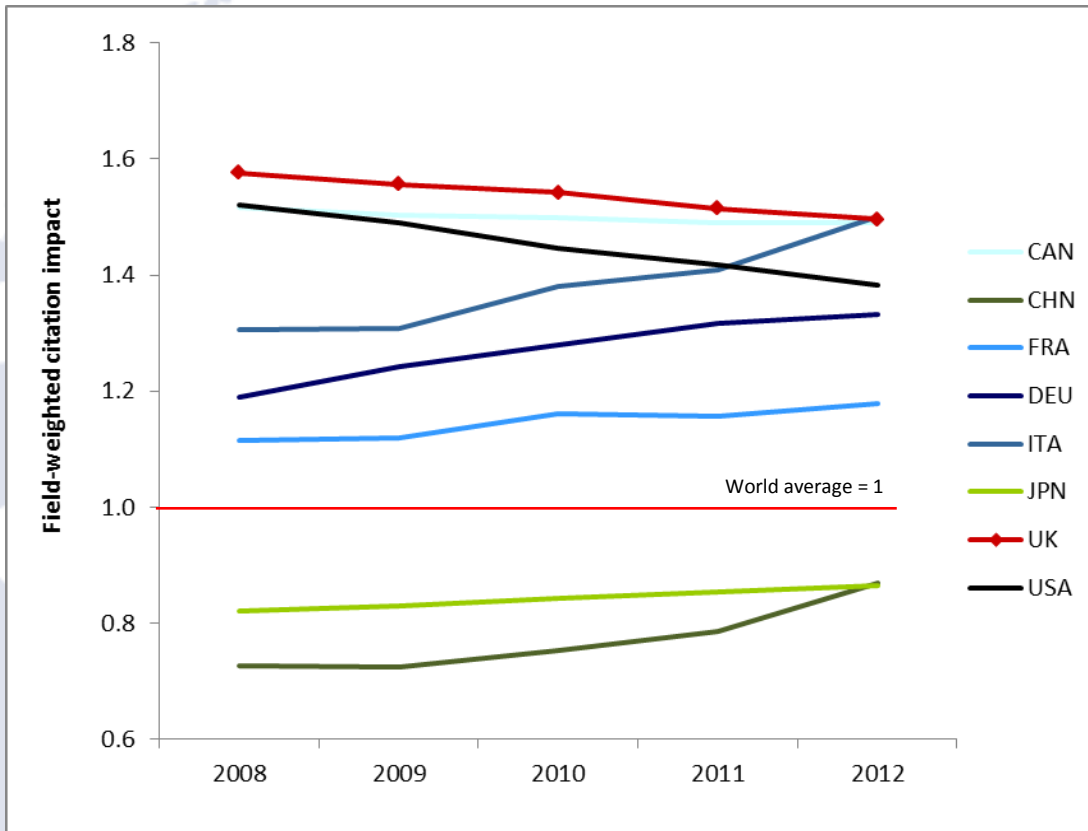
## Field-weighted citation impact – Social Sciences (BIS8)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1.65</b>	<b>1.48</b>	<b>-0.17</b>	<b>-2.62%</b>	-	-
G8	1.35	1.24	-0.11	-2.18%	1	1
EU 27	1.29	1.22	-0.07	-1.38%	3	7
OECD	1.22	1.10	-0.11	-2.43%	3	9
World	1	1	-	-	5	12

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

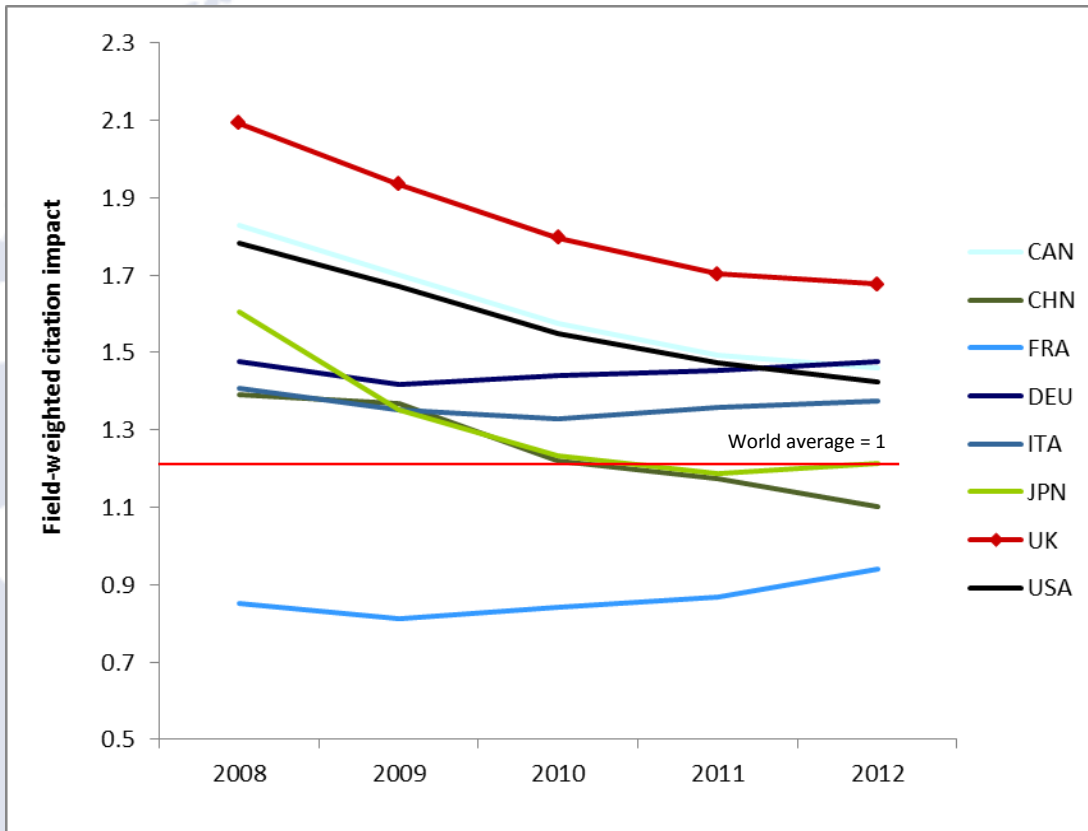
## Field-weighted citation impact – Business (BIS9)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1.58</b>	<b>1.50</b>	<b>-0.08</b>	<b>-1.29%</b>	-	-
G8	1.39	1.30	-0.09	-1.64%	1	2
EU 27	1.31	1.31	0.00	0.00%	4	9
OECD	1.20	1.15	-0.05	-0.97%	4	10
World	1	1	-	-	11	13

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

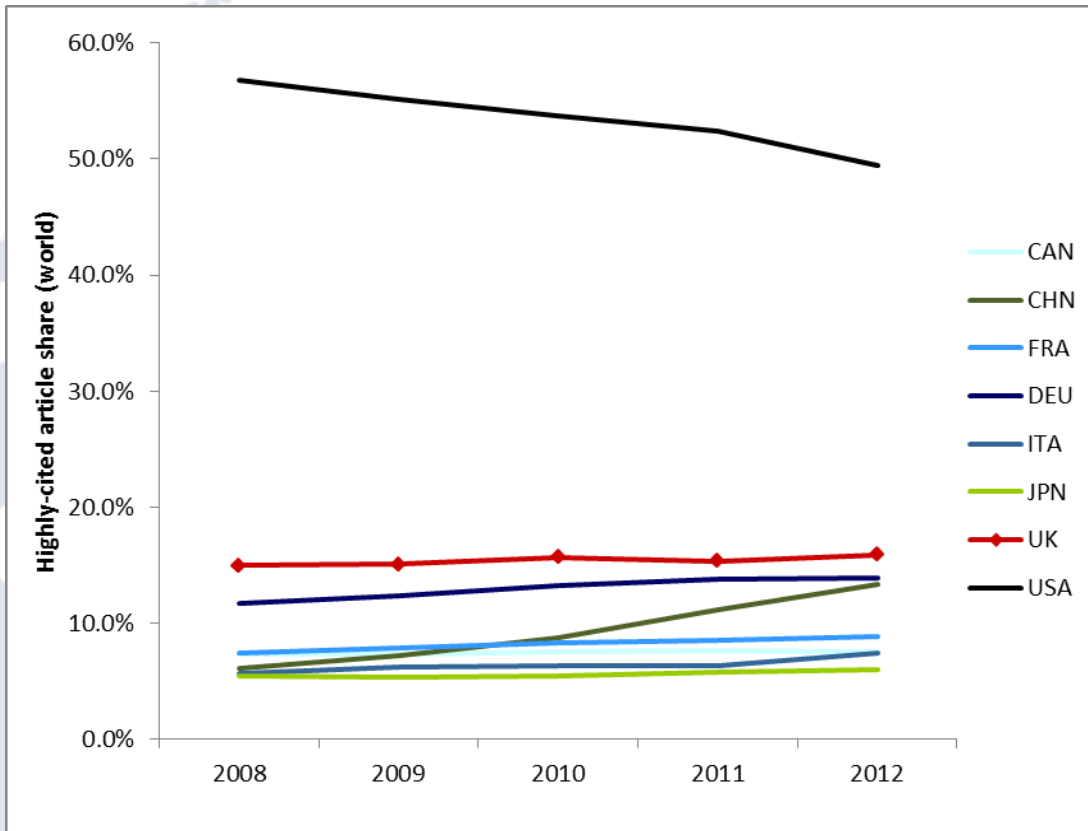
## Field-weighted citation impact – Humanities (BIS10)



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>2.09</b>	<b>1.68</b>	<b>-0.42</b>	<b>-5.38%</b>	-	-
G8	1.63	1.35	-0.28	-4.66%	1	1
EU 27	1.45	1.29	-0.16	-2.89%	2	5
OECD	1.48	1.23	-0.26	-4.61%	3	6
World	1	1	-	-	6	12

World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

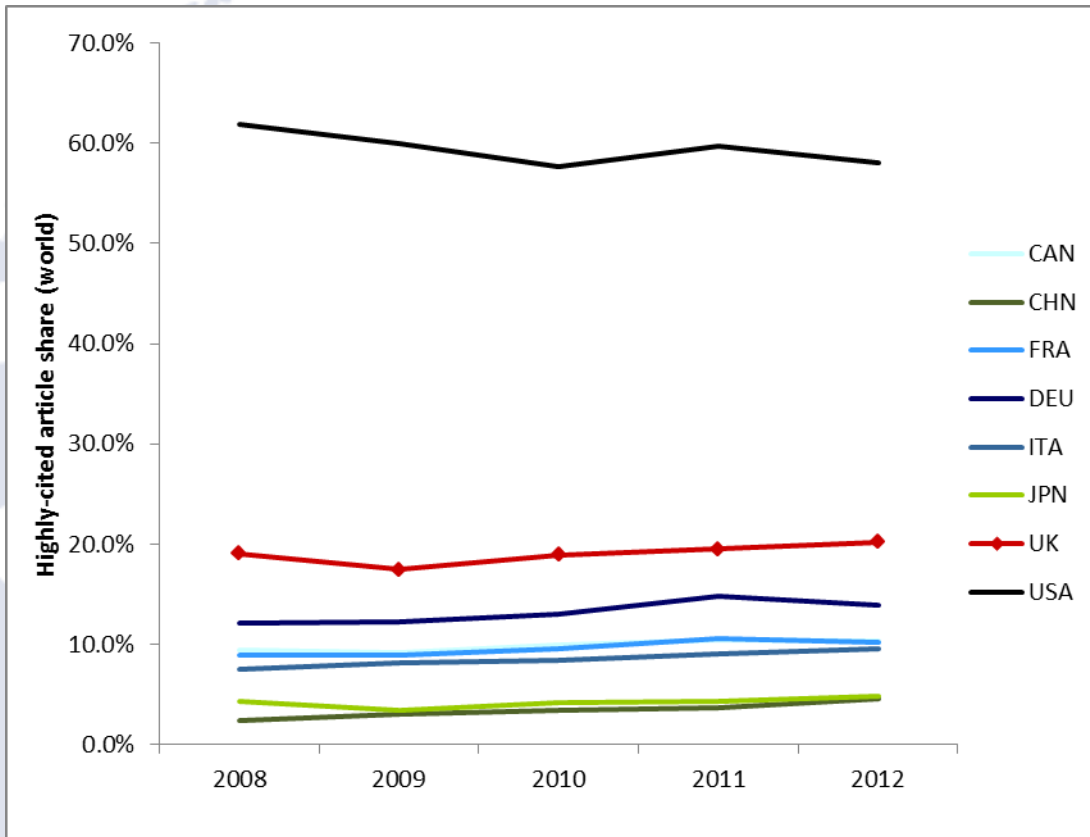
### Highly-cited article share (world)



		2008	2012	Change 08-12	CAGR 8-12
UK	1st percentile	14.97%	15.90%	0.93%	1.52%
	5th percentile	12.61%	12.12%	-0.50%	-1.00%
	10th percentile	11.55%	10.35%	-1.21%	-2.72%

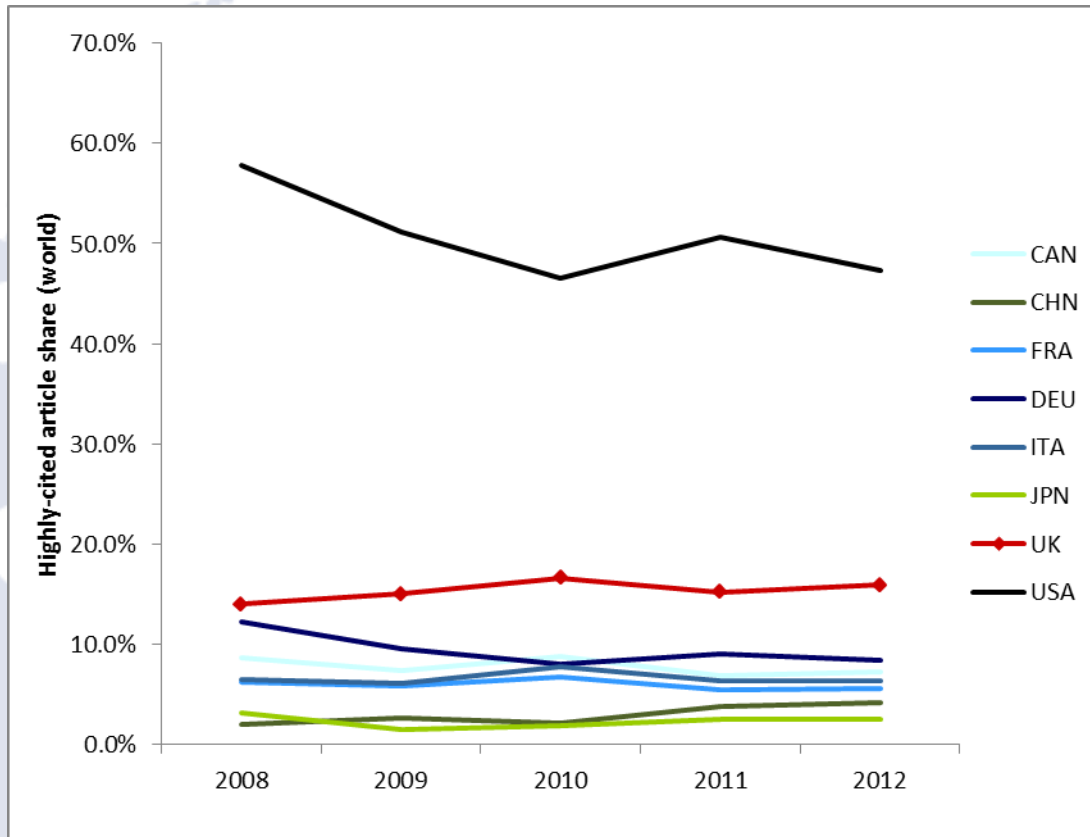


## Highly-cited article share (world) – Clinical Sciences (BIS1)



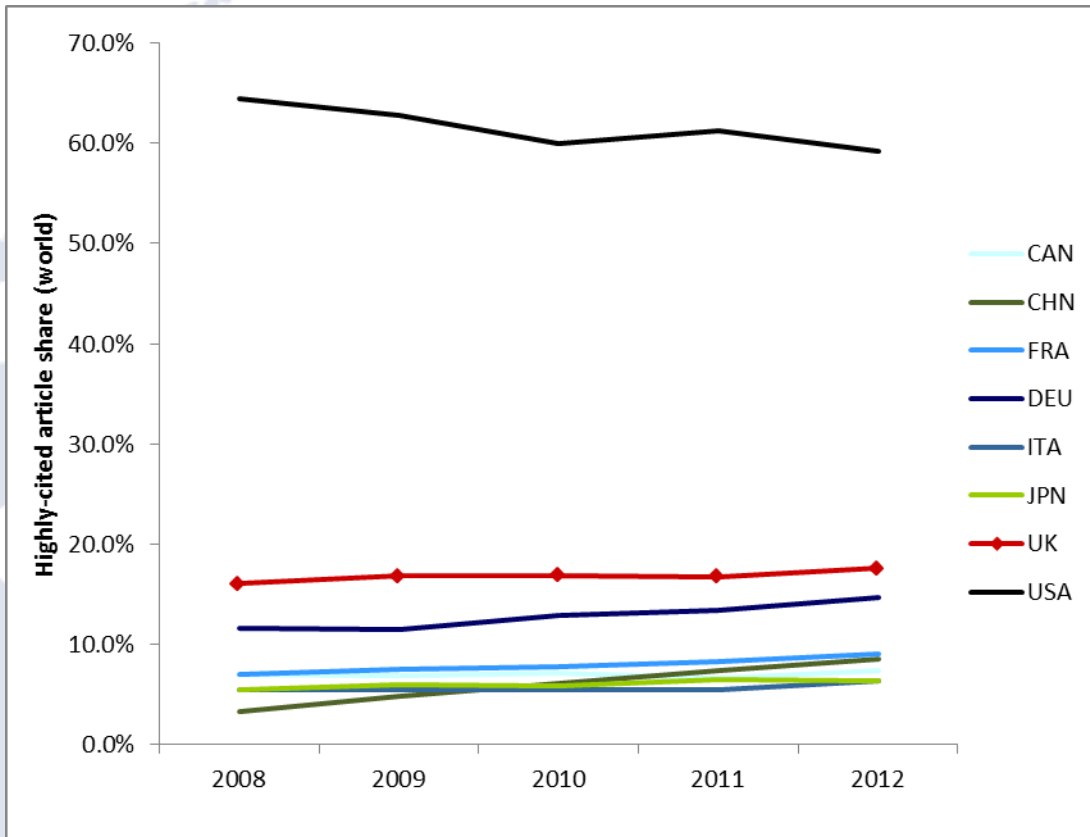
		2008	2012	Change 08-12	CAGR 8-12
UK	1st percentile	19.08%	20.20%	1.12%	1.43%
	5th percentile	15.36%	14.53%	-0.83%	-1.38%
	10th percentile	13.83%	13.56%	-0.27%	-0.49%

## Highly-cited article share (world) – Health & Medical Sciences (BIS2)



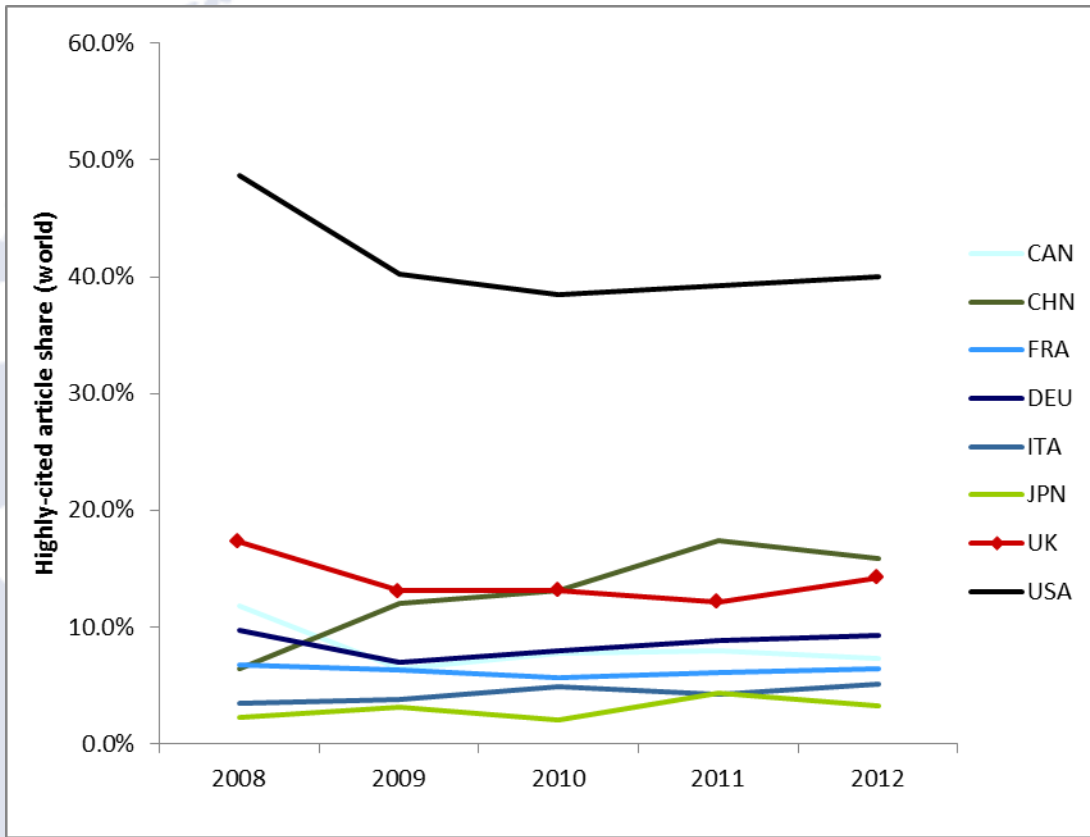
		2008	2012	Change 08-12	CAGR 8-12
UK	1st percentile	13.99%	15.97%	1.98%	3.36%
	5th percentile	13.05%	13.34%	0.29%	0.55%
	10th percentile	12.36%	12.50%	0.15%	0.30%

## Highly-cited article share (world) – Biological Sciences (BIS3)



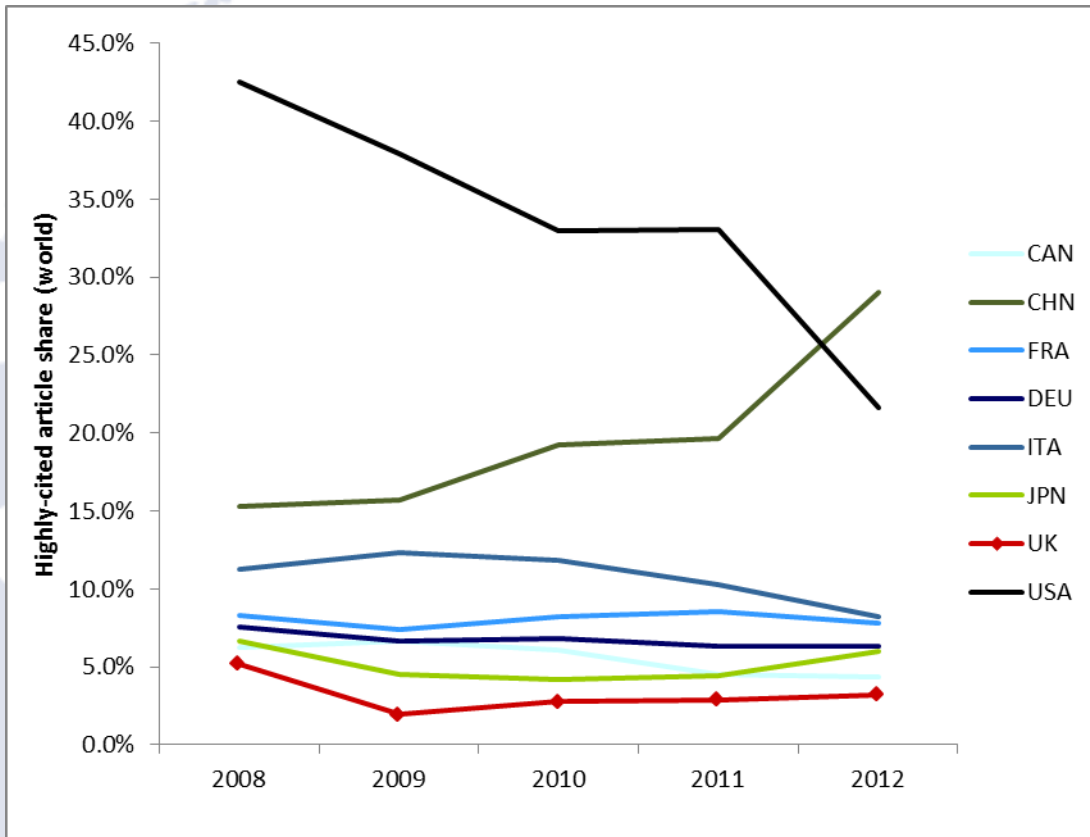
		2008	2012	Change 08-12	CAGR 8-12
UK	1st percentile	16.08%	17.58%	1.50%	2.26%
	5th percentile	14.22%	13.34%	-0.88%	-1.59%
	10th percentile	13.07%	11.44%	-1.63%	-3.28%

### Highly-cited article share (world) – Environmental Sciences (BIS4)



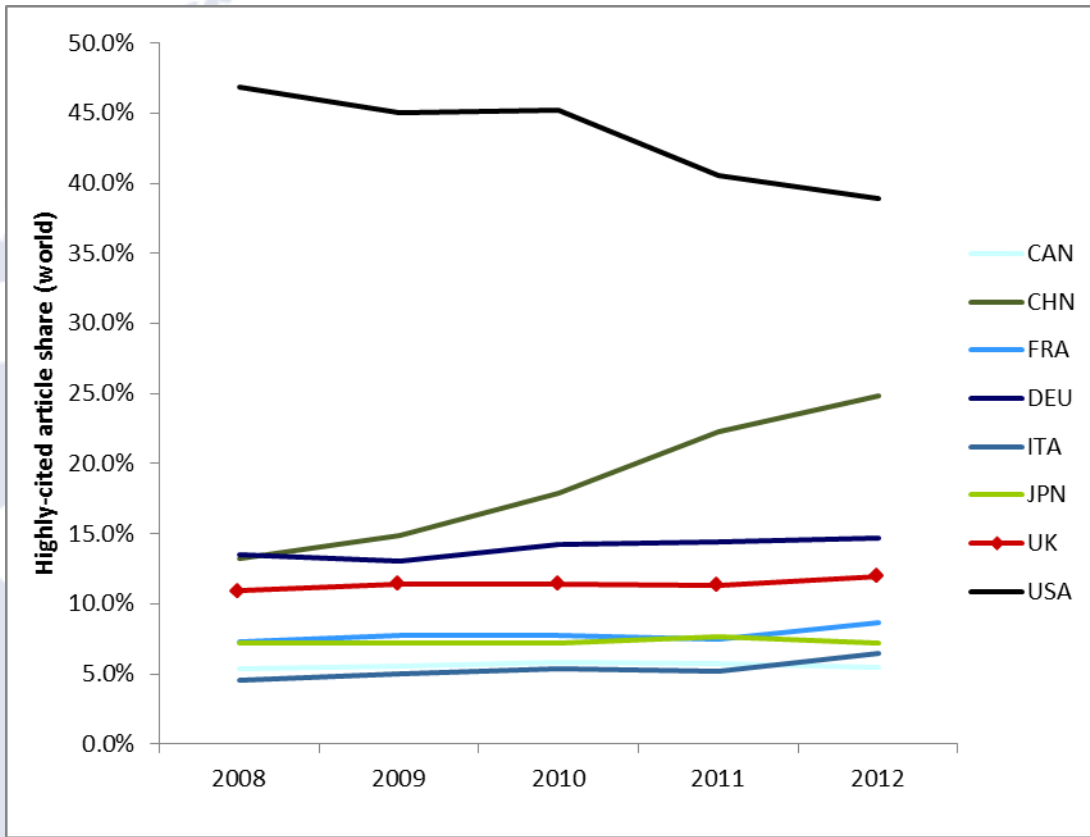
		2008	2012	Change 08-12	CAGR 8-12
UK	1st percentile	17.32%	14.25%	-3.06%	-4.75%
	5th percentile	12.78%	11.55%	-1.24%	-2.51%
	10th percentile	12.11%	10.94%	-1.17%	-2.52%

### Highly-cited article share (world) – Mathematics (BIS5)



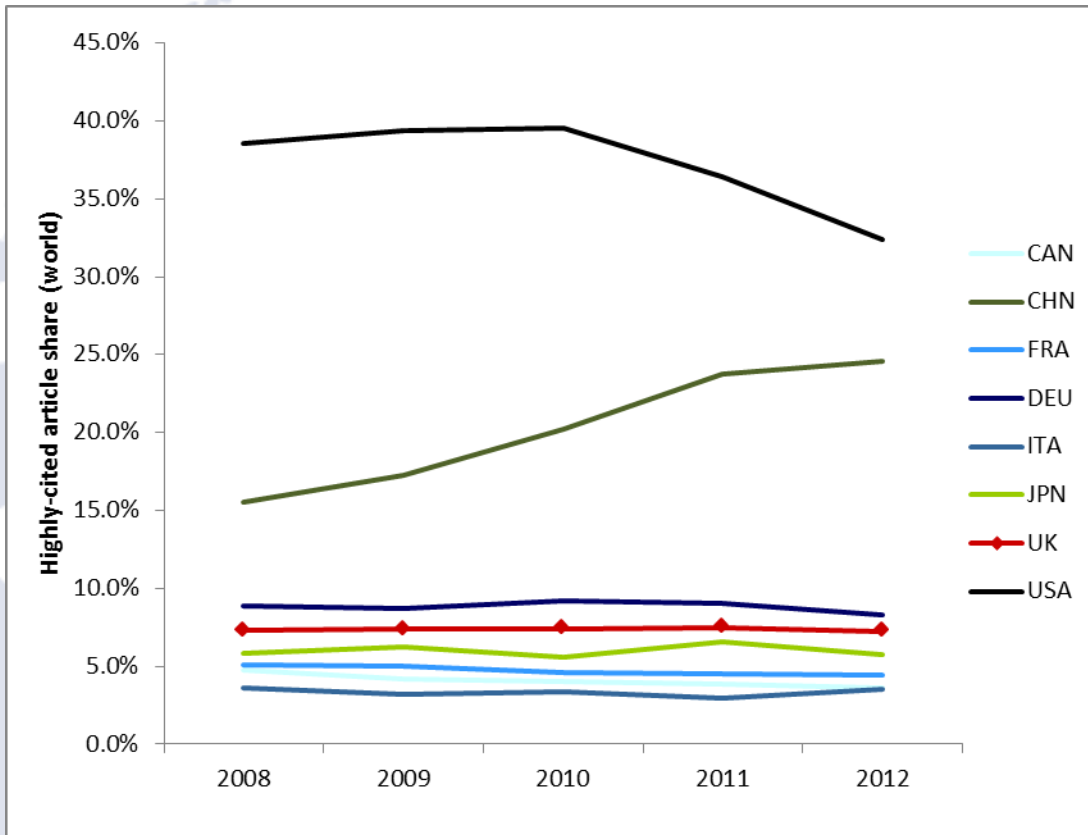
		2008	2012	Change 08-12	CAGR 8-12
UK	1st percentile	5.21%	3.21%	-2.00%	-11.41%
	5th percentile	10.24%	8.18%	-2.05%	-5.45%
	10th percentile	9.45%	7.76%	-1.69%	-4.80%

### Highly-cited article share (world) – Physical Sciences (BIS6)



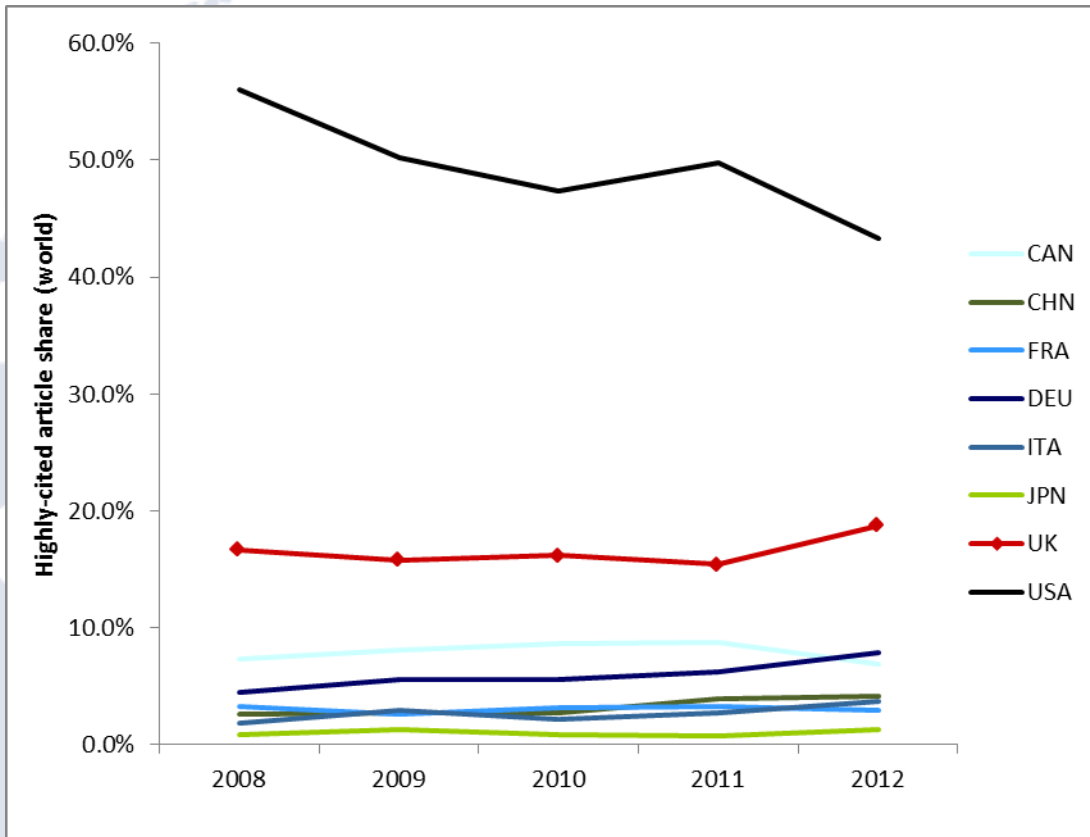
		2008	2012	Change 08-12	CAGR 8-12
UK	1st percentile	10.92%	11.98%	1.06%	2.34%
	5th percentile	9.80%	9.48%	-0.33%	-0.84%
	10th percentile	9.26%	8.26%	-1.00%	-2.82%

## Highly-cited article share (world) – Engineering (BIS7)



		2008	2012	Change 08-12	CAGR 8-12
UK	1st percentile	7.27%	7.23%	-0.05%	-0.16%
	5th percentile	6.91%	6.45%	-0.47%	-1.73%
	10th percentile	6.77%	6.15%	-0.63%	-2.40%

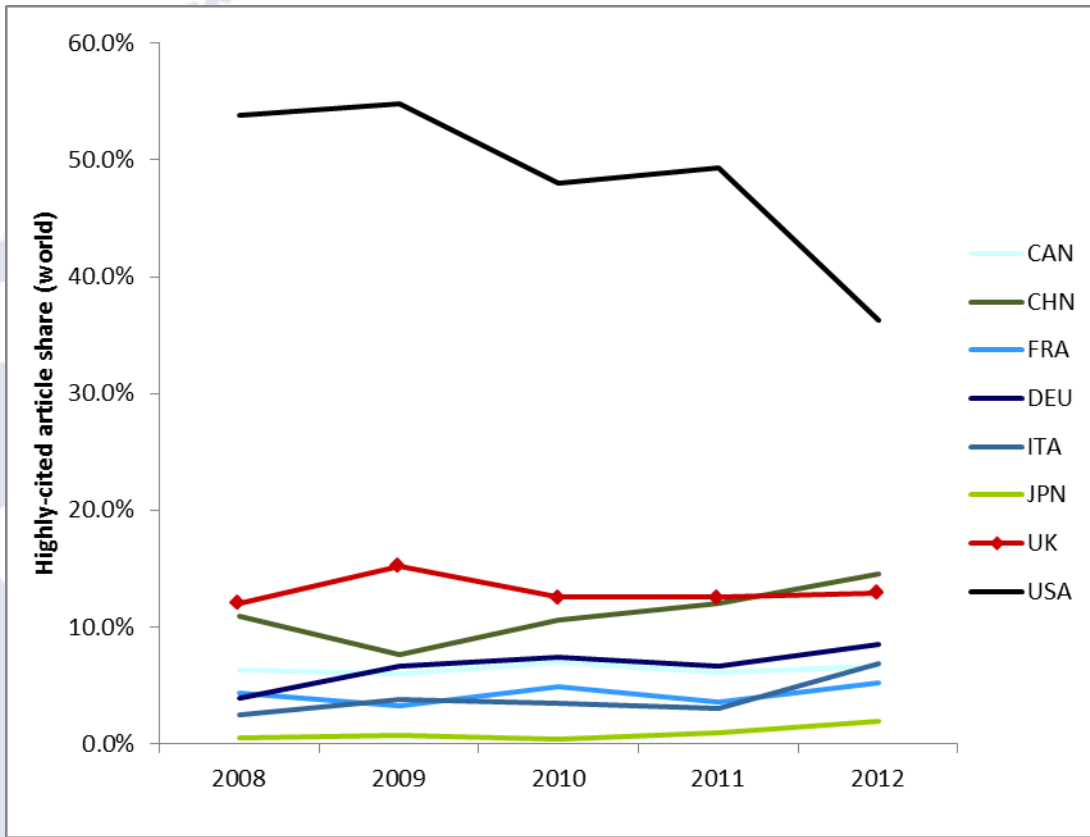
## Highly-cited article share (world) – Social Sciences (BIS8)



		2008	2012	Change 08-12	CAGR 8-12
UK	1st percentile	16.70%	18.76%	2.06%	2.96%
	5th percentile	16.32%	16.70%	0.38%	0.58%
	10th percentile	15.85%	15.91%	0.06%	0.09%

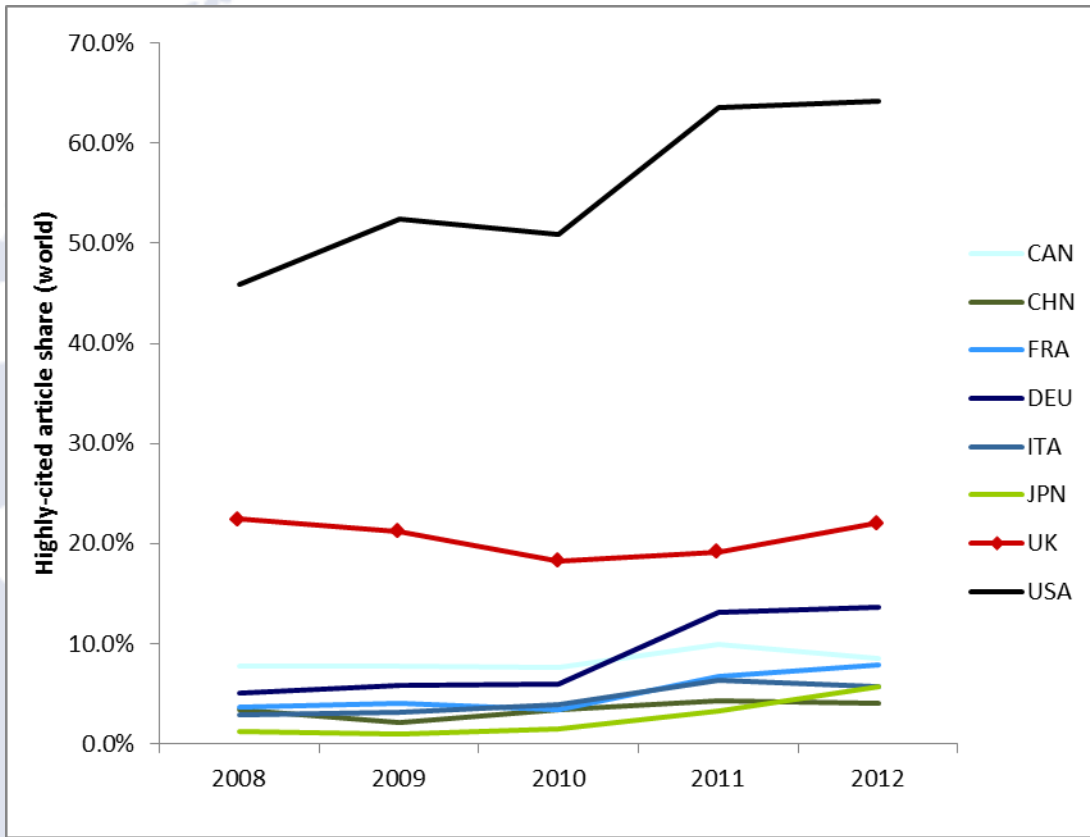


### Highly-cited article share (world) – Business (BIS9)



		2008	2012	Change 08-12	CAGR 8-12
UK	1st percentile	12.07%	12.97%	0.90%	1.81%
	5th percentile	13.26%	13.27%	0.01%	0.02%
	10th percentile	13.29%	13.23%	-0.06%	-0.11%

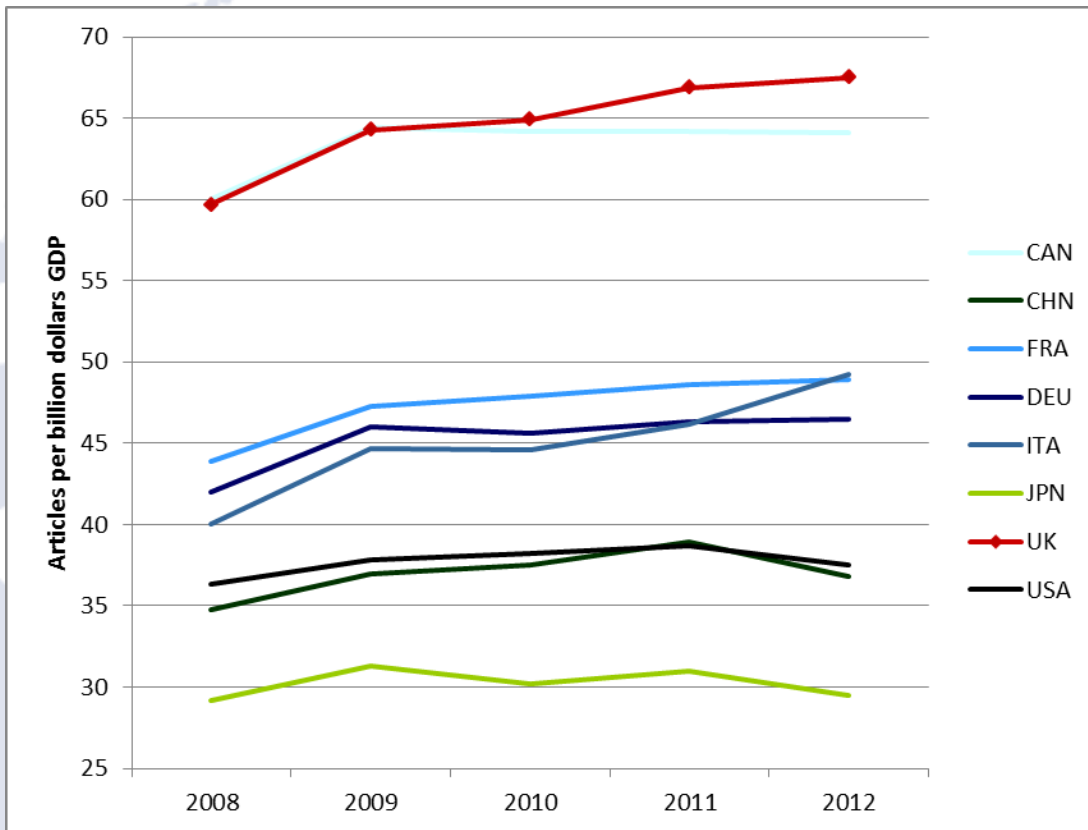
### Highly-cited article share (world) – Humanities (BIS10)



		2008	2012	Change 08-12	CAGR 8-12
UK	1st percentile	22.47%	22.10%	-0.37%	-0.41%
	5th percentile	18.19%	18.61%	0.41%	0.56%
	10th percentile	16.68%	17.74%	1.06%	1.55%

# RESEARCH PRODUCTIVITY

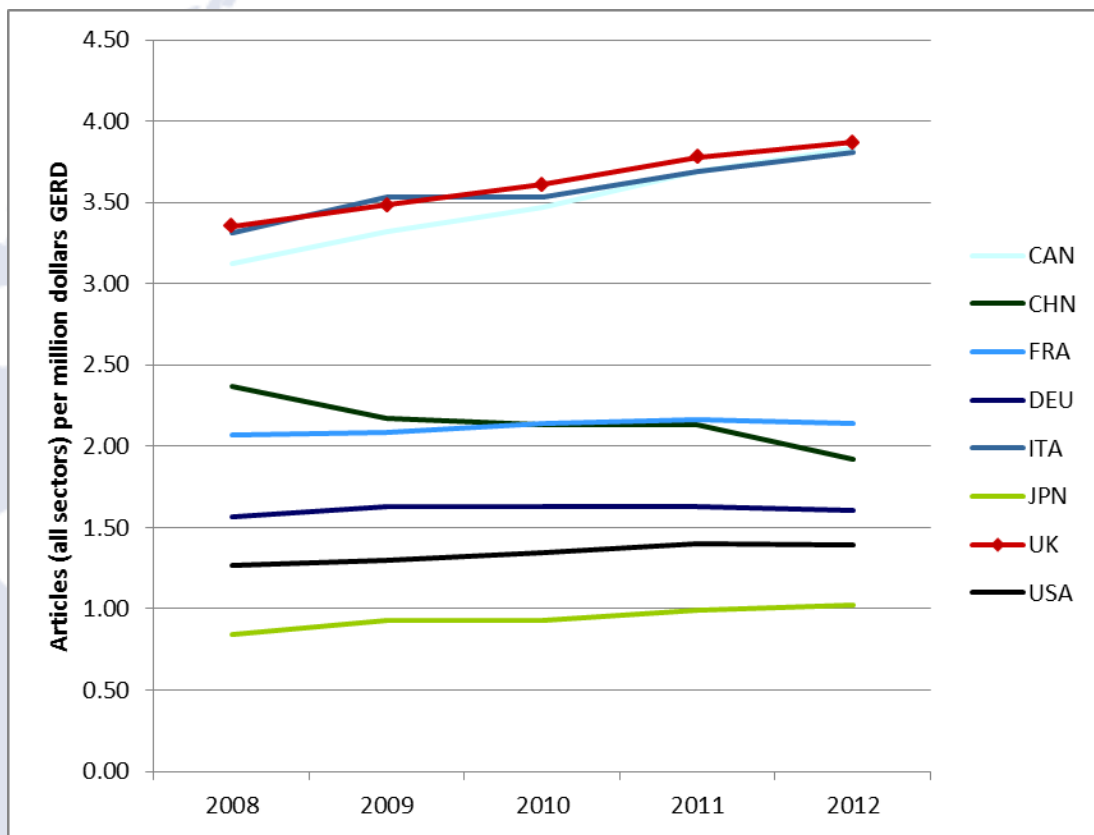
## Articles per billion dollars GDP – UK and comparator countries



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>59.70</b>	<b>67.50</b>	<b>7.80</b>	<b>3.12%</b>	-	-
G8	37.80	40.50	2.70	1.74%	2	1
EU 27	48.40	57.20	8.80	4.26%	7	9
OECD	38.70	42.40	3.70	2.31%	13	14
World	36.80	40.10	3.30	2.17%	13	14

EU27 rankings out of 21 (of 27) countries with available data  
 OECD rankings out of 39 (of 42) countries with available data  
 World data are for 220 countries with at least 1 publication in 2012. World rankings out of 76 countries (of 220) with at least 1,000 articles in 2012, which includes all 42 OECD countries and accounts for 98.8% of the global article output.

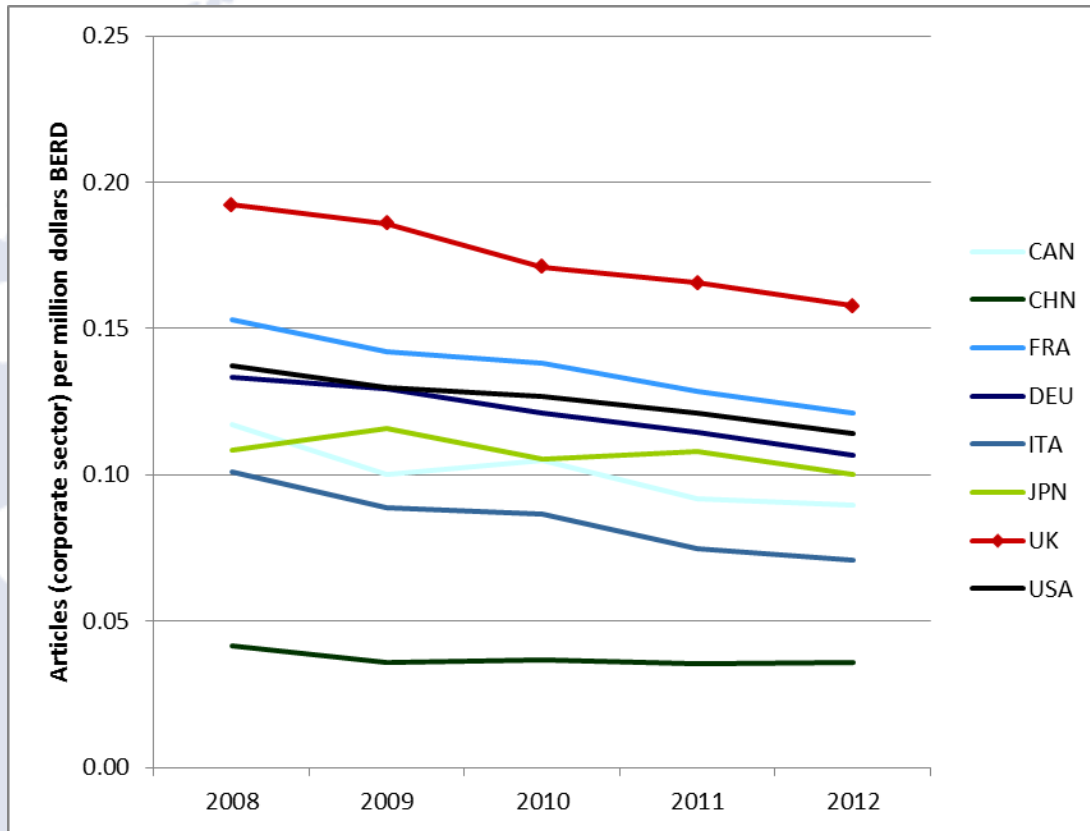
## Articles (all sectors) per million dollars GERD – UK and comparator countries



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>3.36</b>	<b>3.87</b>	<b>0.51</b>	<b>3.61%</b>	-	-
G8	1.50	1.68	0.19	2.96%	1	1
EU 27	2.58	2.81	0.24	2.23%	10	7
OECD	1.80	1.94	0.14	1.94%	12	8

EU27 rankings out of 21 (of 27) countries with available data  
 OECD rankings out of 37 (of 42) countries with available data

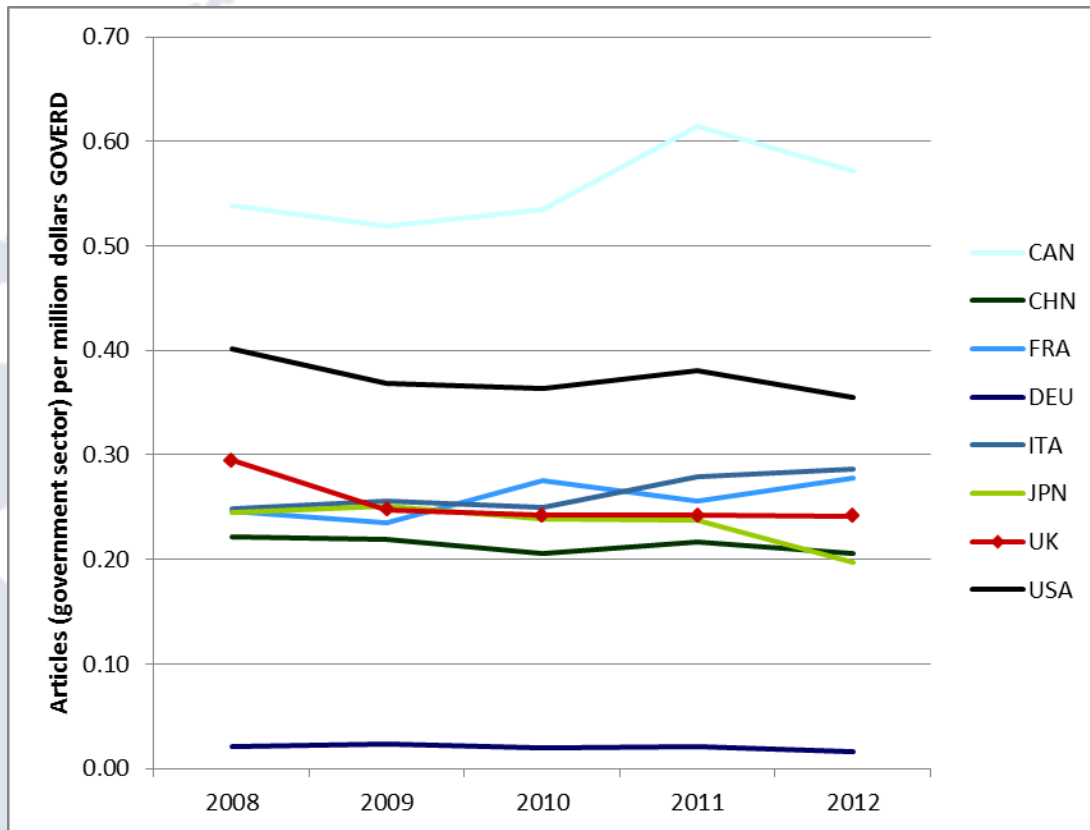
## Articles (corporate sector) per million dollars BERD – UK and comparator countries



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>0.19</b>	<b>0.16</b>	<b>-0.03</b>	<b>-4.81%</b>	-	-
G8	0.13	0.11	-0.02	-4.30%	1	1
EU 27	0.15	0.12	-0.03	-5.62%	7	6
OECD	0.12	0.09	-0.03	-6.28%	9	9

EU27 rankings out of 20 (of 27) countries with available data  
 OECD rankings out of 36 (of 42) countries with available data

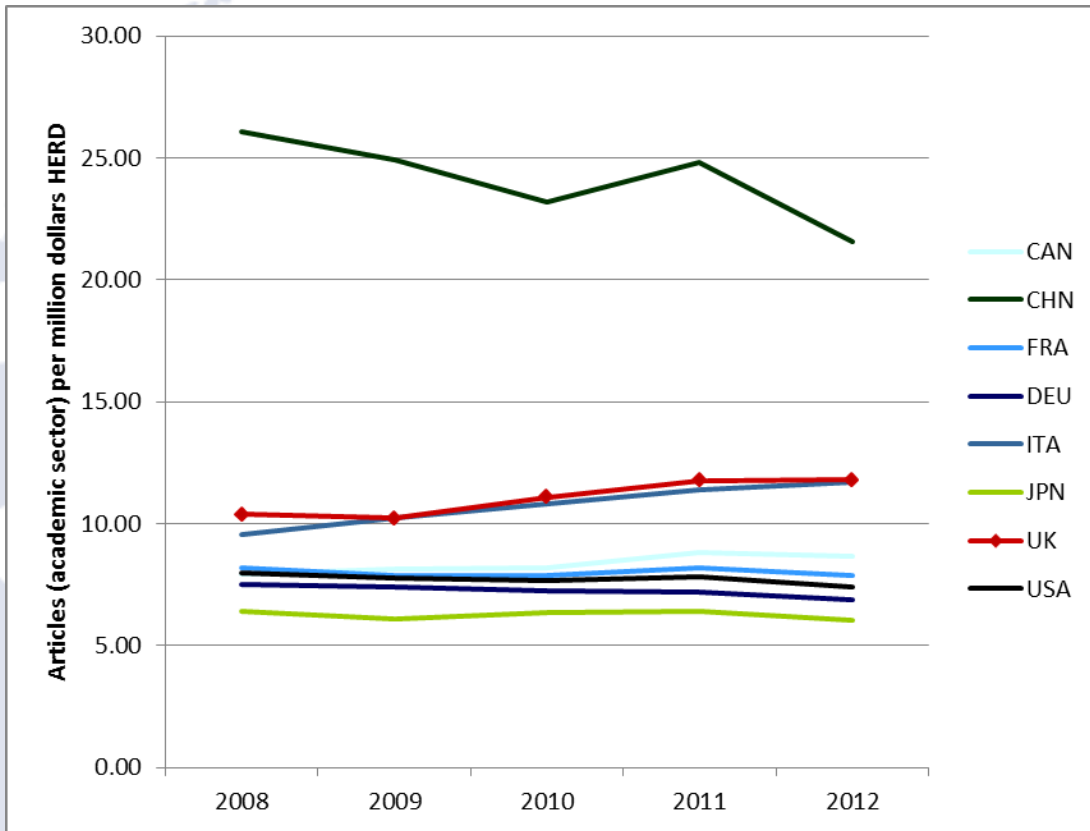
## Articles (government sector) per million dollars GOVERD – UK and comparator countries



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>0.29</b>	<b>0.24</b>	<b>-0.05</b>	<b>-4.85%</b>	-	-
G8	0.29	0.26	-0.03	-2.60%	3	5
EU 27	0.20	0.22	0.02	1.80%	8	10
OECD	0.29	0.27	-0.03	-2.35%	17	19

EU27 rankings out of 19 (of 27) countries with available data  
 OECD rankings out of 34 (of 42) countries with available data

## Articles (academic sector) per million dollars HERD – UK and comparator countries

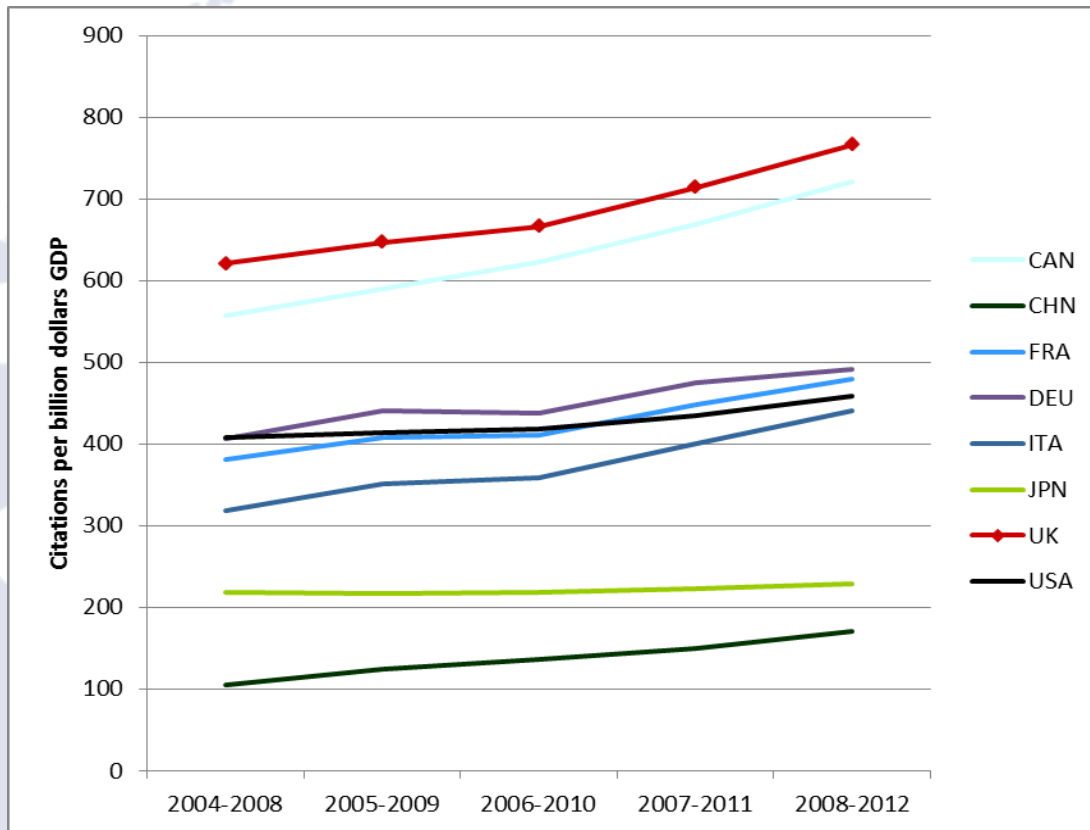


	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>10.37</b>	<b>11.78</b>	<b>1.41</b>	<b>3.23%</b>	-	-
G8	8.19	7.95	-0.23	-0.72%	2	2
EU 27	9.33	9.66	0.33	0.88%	10	9
OECD	9.69	9.64	-0.05	-0.12%	12	10

EU27 rankings out of 21 (of 27) countries with available data  
 OECD rankings out of 36 (of 42) countries with available data



## Citations per billion dollars GDP – UK and comparator countries

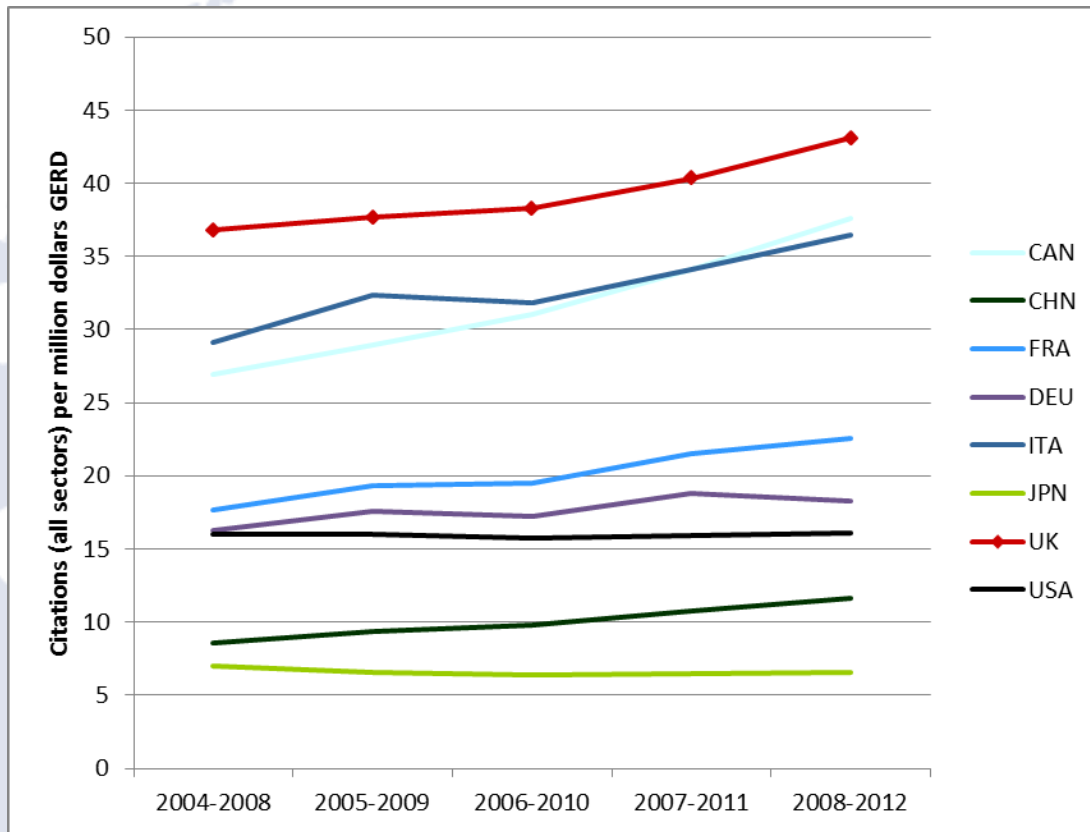


	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>620.50</b>	<b>766.60</b>	<b>146.10</b>	<b>5.43%</b>	-	-
G8	375.10	435.30	60.20	3.79%	1	1
EU 27	435.60	556.10	120.50	6.30%	5	6
OECD	339.10	400.10	61.00	4.22%	8	10
World	320.20	375.50	55.30	4.06%	8	10

EU27 rankings out of 21 (of 27) countries with available data  
 OECD rankings out of 39 (of 42) countries with available data

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, and GDP for the first year shown; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012, divided by 2008 GDP.

### Citations (all sectors) per million dollars GERD – UK and comparator countries

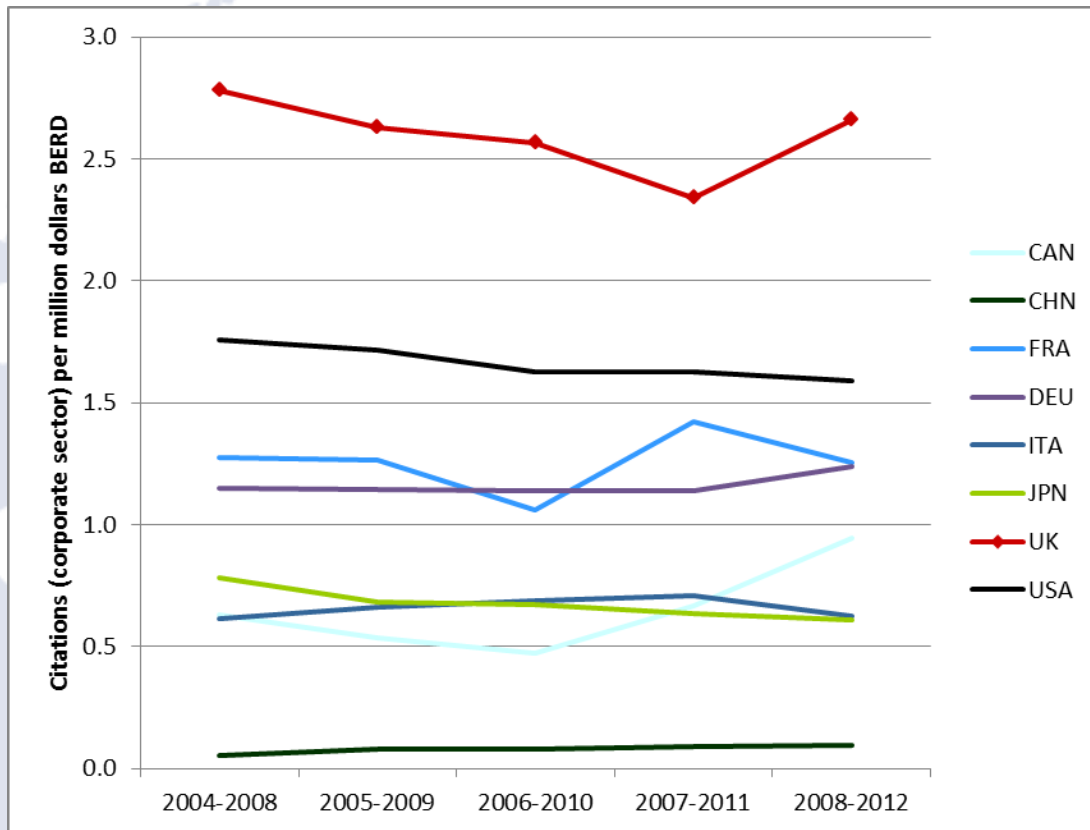


	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>36.77</b>	<b>43.08</b>	<b>6.31</b>	<b>4.04%</b>	-	-
G8	16.00	17.20	1.20	1.83%	1	1
EU 27	24.61	29.37	4.76	4.52%	5	5
OECD	16.84	18.44	1.59	2.29%	8	8

EU27 rankings out of 22 (of 27) countries with available data  
 OECD rankings out of 38 (of 42) countries with available data

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, and GERD for the first year shown; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012, divided by 2008 GERD.

## Citations (corporate sector) per million dollars BERD – UK and comparator countries

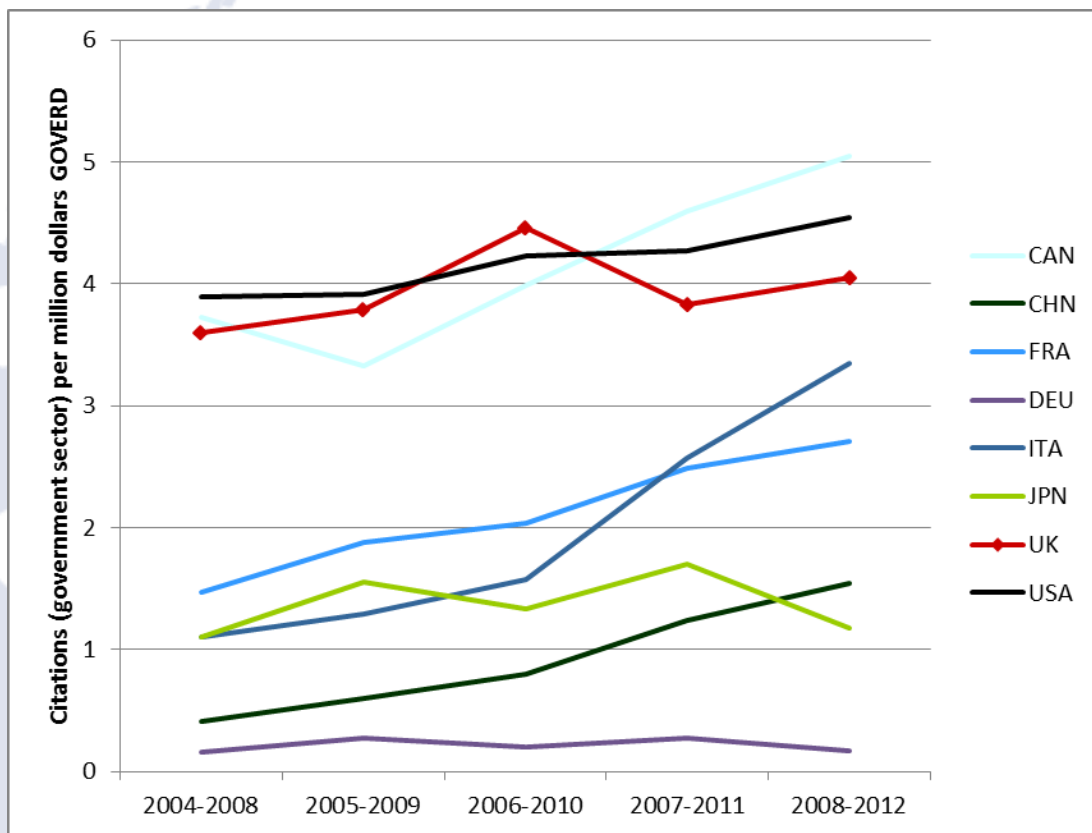


	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>2.78</b>	<b>2.66</b>	<b>-0.12</b>	<b>-1.11%</b>	-	-
G8	1.40	1.30	-0.10	-1.79%	1	1
EU 27	1.41	1.49	0.07	1.26%	2	3
OECD	1.28	1.17	-0.12	-2.33%	5	6

EU27 rankings out of 22 (of 27) countries with available data  
OECD rankings out of 38 (of 42) countries with available data

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, and BERD for the first year shown; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012, divided by 2008 BERD.

## Citations (government sector) per million dollars GOVERD – UK and comparator countries

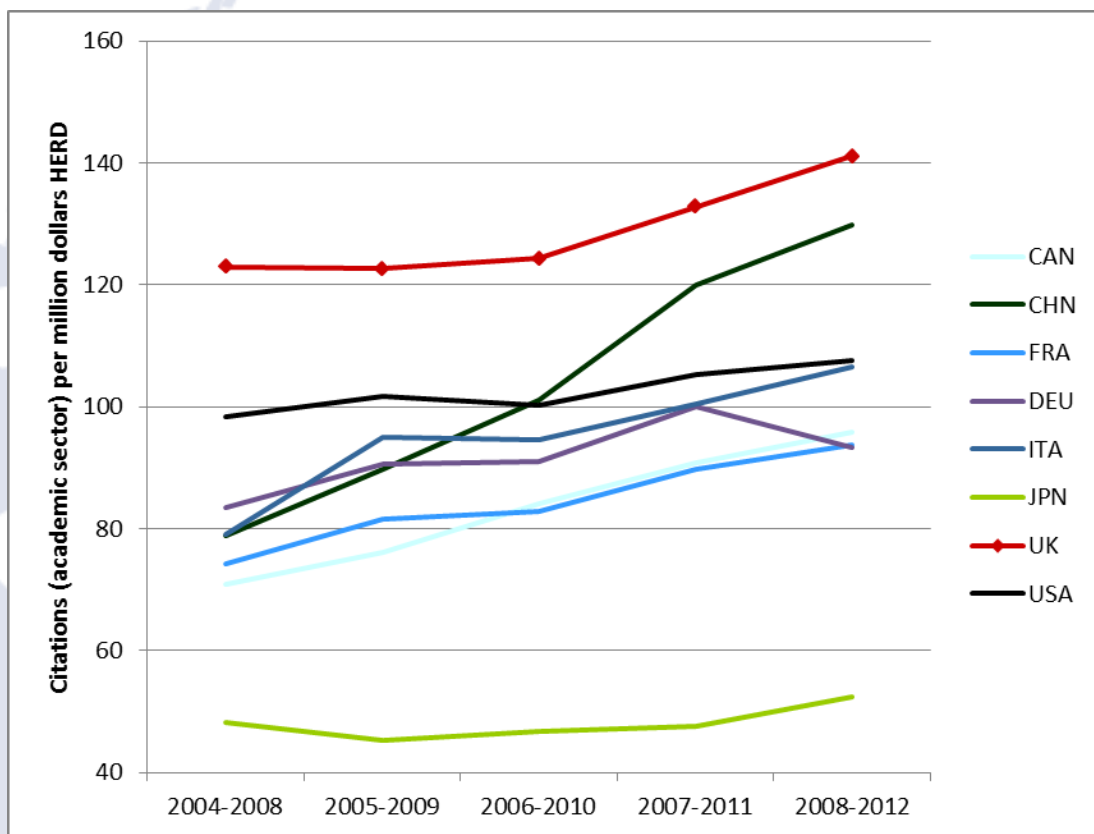


	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>3.60</b>	<b>4.05</b>	<b>0.45</b>	<b>3.00%</b>	-	-
G8	2.50	3.01	0.51	4.78%	3	3
EU 27	1.89	2.41	0.51	6.17%	5	6
OECD	2.42	2.94	0.52	4.98%	12	12

EU27 rankings out of 21 (of 27) countries with available data  
 OECD rankings out of 38 (of 42) countries with available data

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, and GOVERD for the first year shown; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012, divided by 2008 GOVERD.

## Citations (academic sector) per million dollars HERD – UK and comparator countries

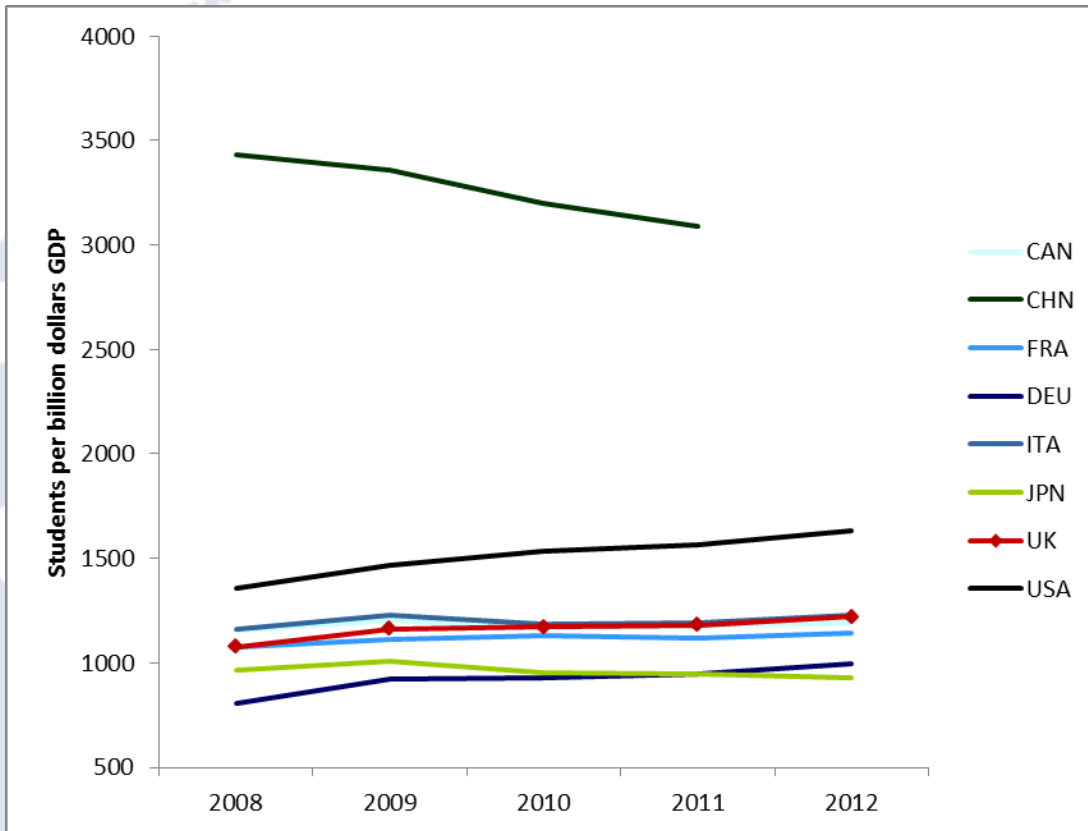


	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>122.97</b>	<b>141.04</b>	<b>18.07</b>	<b>3.49%</b>	-	-
G8	86.07	98.88	12.81	3.53%	2	1
EU 27	91.77	109.51	17.74	4.52%	6	5
OECD	85.63	101.56	15.93	4.36%	8	7

EU27 rankings out of 22 (of 27) countries with available data  
OECD rankings out of 37 (of 42) countries with available data

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, and HERD for the first year shown; i.e. the data point for 2008-2012 corresponds to 2008 articles and citations to these in the period 2008-2012, divided by 2008 HERD.

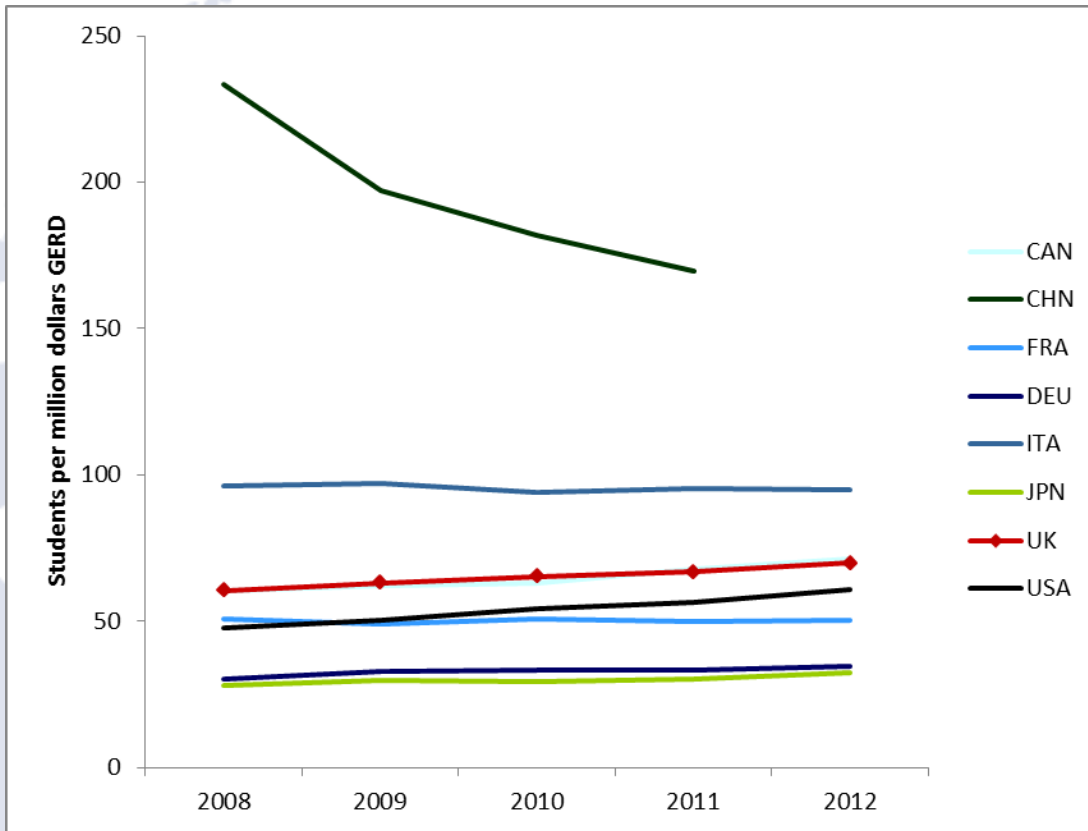
## Students per billion dollars GDP – UK and comparator countries



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>1075.87</b>	<b>1221.15</b>	<b>145.28</b>	<b>3.22%</b>	-	-
G8	1414.49	1558.45	143.97	2.45%	5	4
EU 27	1226.71	1320.33	93.62	1.86%	15	15
OECD	1781.24	1676.55	-104.69	-1.50%	29	28

EU27 rankings out of 21 (of 27) countries with available data  
 OECD rankings out of 38 (of 42) countries with available data

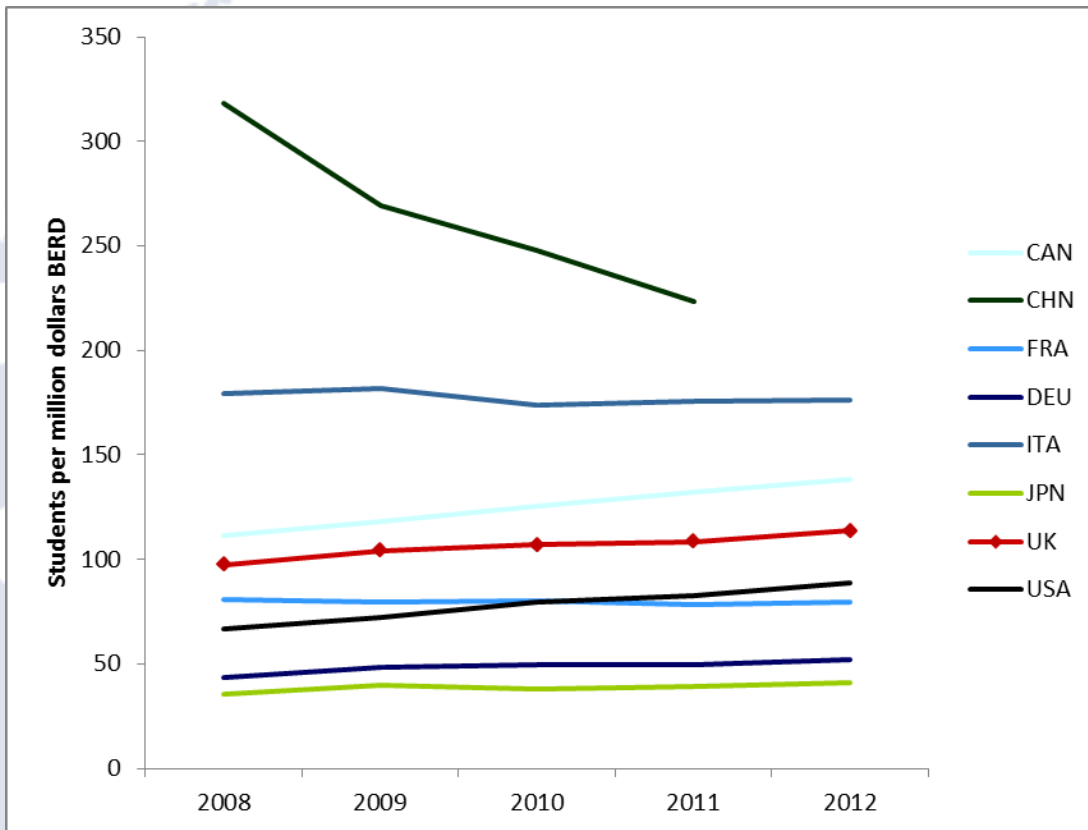
## Students per million dollars GERD – UK and comparator countries



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>60.46</b>	<b>69.96</b>	<b>9.50</b>	<b>3.71%</b>	-	-
G8	55.90	64.73	8.84	3.74%	3	4
EU 27	64.48	65.24	0.76	0.29%	11	10
OECD	89.04	84.70	-4.35	-1.24%	19	18

EU27 rankings out of 20 (of 27) countries with available data  
 OECD rankings out of 36 (of 42) countries with available data

## Students per million dollars BERD – UK and comparator countries

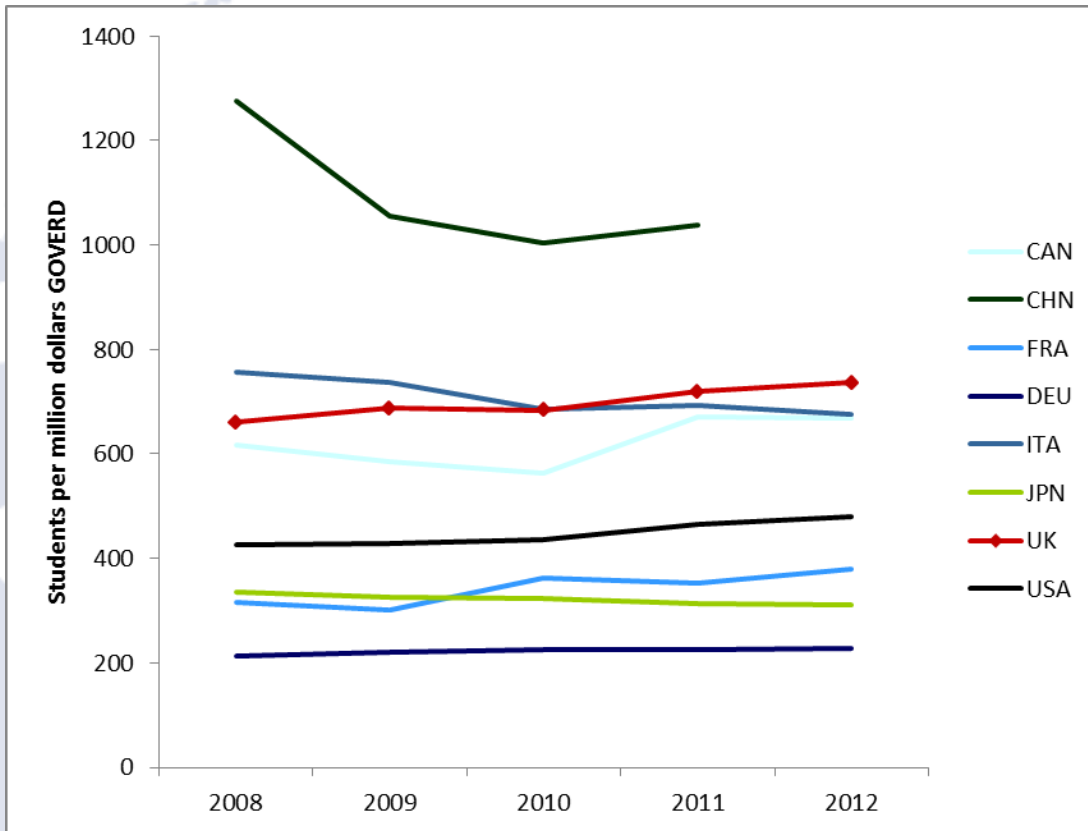


	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>97.52</b>	<b>113.59</b>	<b>16.06</b>	<b>3.89%</b>	-	-
G8	79.48	95.11	15.63	4.59%	4	4
EU 27	102.58	106.59	4.00	0.96%	11	8
OECD	128.42	124.56	-3.86	-0.76%	21	17

EU27 rankings out of 19 (of 27) countries with available data  
 OECD rankings out of 35 (of 42) countries with available data



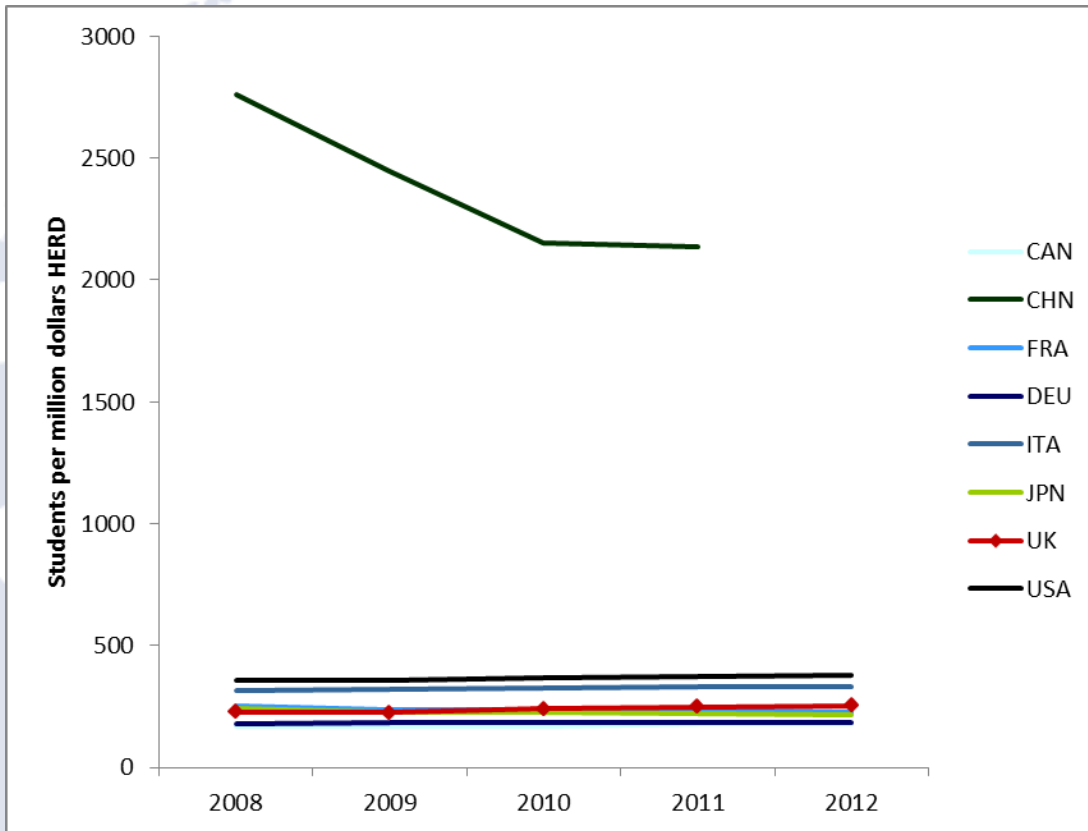
## Students per million dollars GOVERD – UK and comparator countries



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>660.53</b>	<b>736.10</b>	<b>75.57</b>	<b>2.74%</b>	-	-
G8	480.05	497.87	17.83	0.92%	3	2
EU 27	492.36	497.45	5.09	0.26%	10	10
OECD	711.25	623.83	-87.42	-3.23%	19	17

EU27 rankings out of 20 (of 27) countries with available data  
 OECD rankings out of 35 (of 42) countries with available data

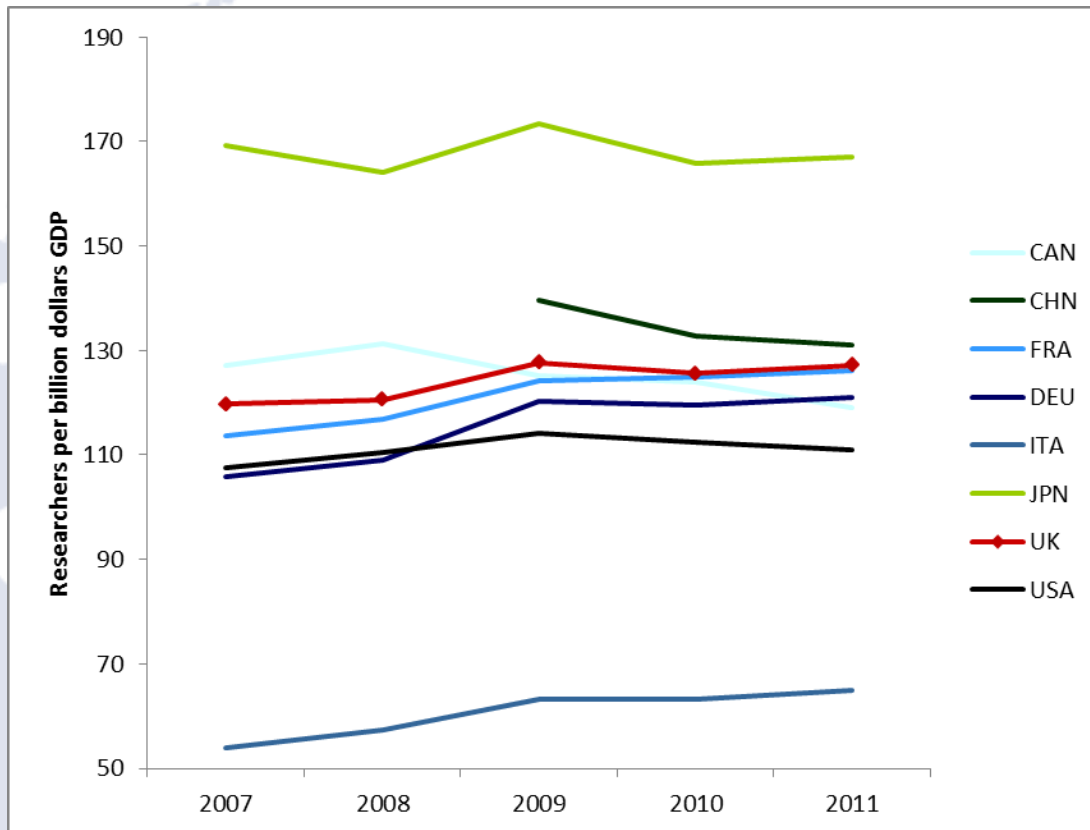
## Students per million dollars HERD – UK and comparator countries



	2008	2012	Change 08-12	CAGR 8-12	UK Rank 2008	UK Rank 2012
<b>UK</b>	<b>228.17</b>	<b>252.43</b>	<b>24.26</b>	<b>2.56%</b>	-	-
G8	364.11	359.18	-4.93	-0.34%	6	4
EU 27	279.87	264.66	-15.21	-1.39%	14	11
OECD	555.94	483.49	-72.44	-3.43%	24	20

EU27 rankings out of 20 (of 27) countries with available data  
 OECD rankings out of 35 (of 42) countries with available data

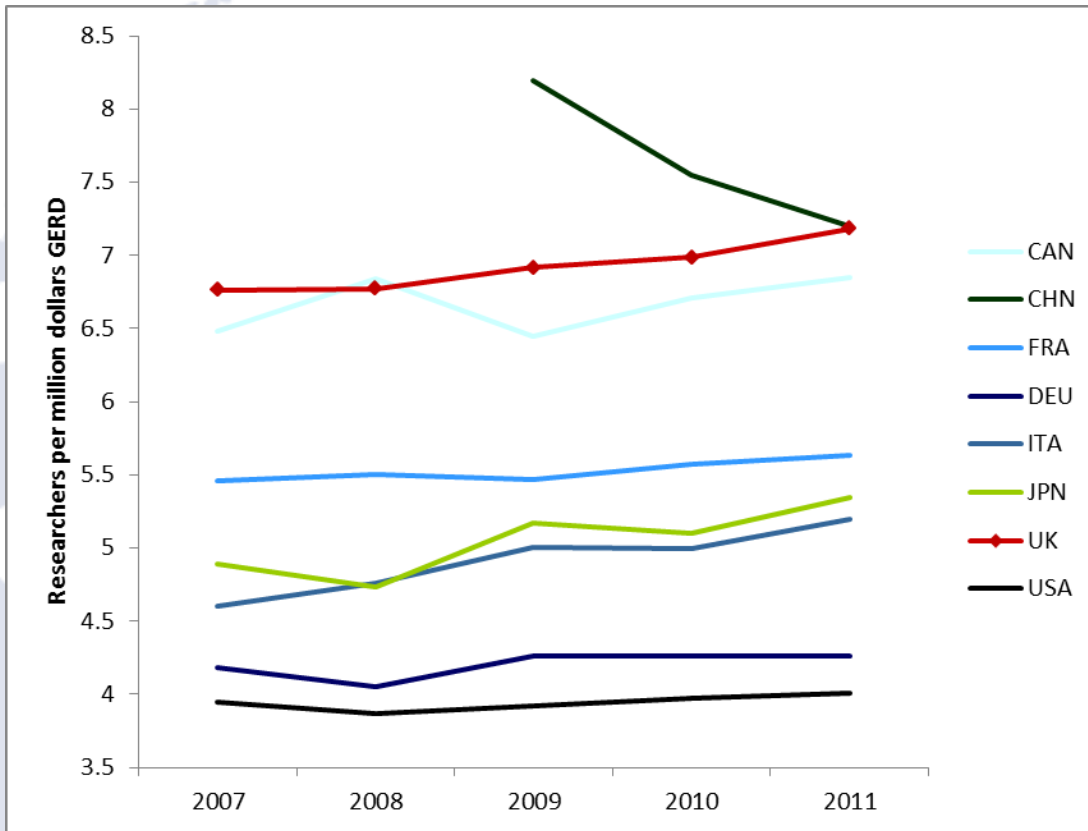
## Researchers per billion dollars GDP – UK and comparator countries



	2007	2011	Change 07-11	CAGR 07-11	UK Rank 2007	UK Rank 2011
<b>UK</b>	<b>119.71</b>	<b>127.13</b>	<b>7.41</b>	<b>1.51%</b>	-	-
G8	123.73	126.83	3.10	0.62%	4	3
EU 27	104.03	116.64	12.61	2.90%	6	9
OECD	120.20	113.09	-7.11	-1.51%	13	15

EU27 rankings out of 21 (of 27) countries with available data  
 OECD rankings out of 36 (of 42) countries with available data

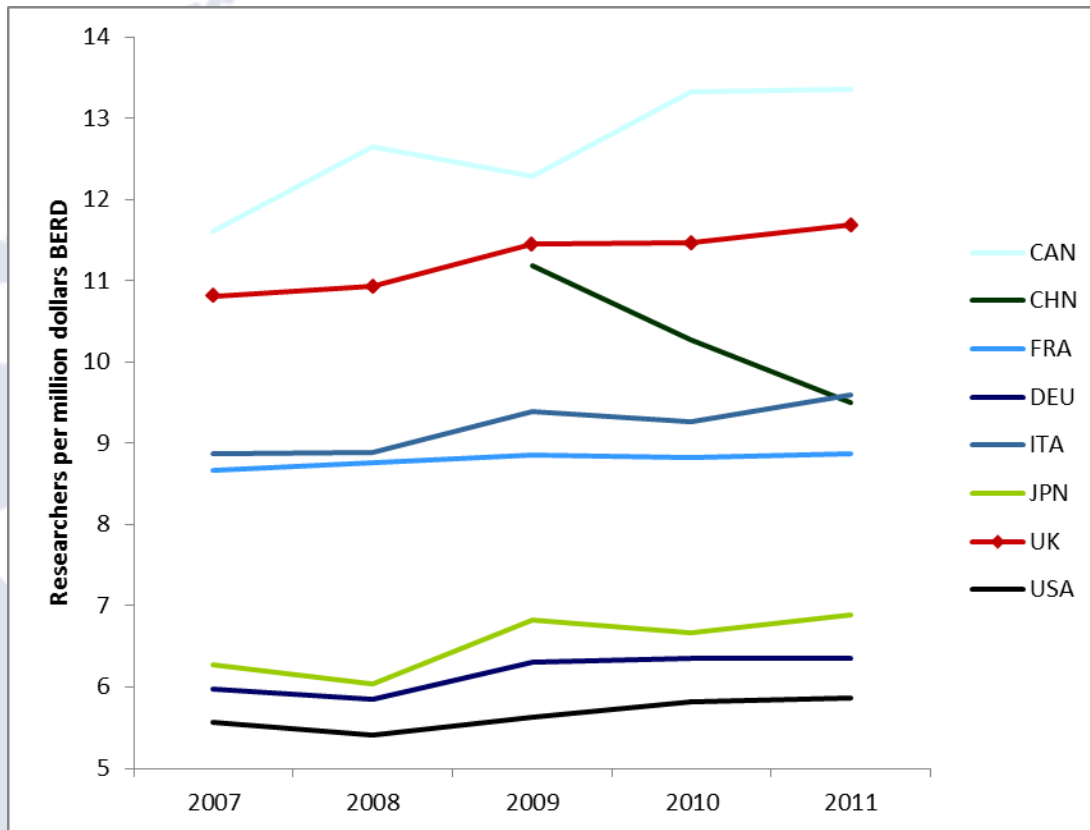
## Researchers per million dollars GERD – UK and comparator countries



	2007	2011	Change 07-11	CAGR 07-11	UK Rank 2007	UK Rank 2011
<b>UK</b>	<b>6.76</b>	<b>7.18</b>	<b>0.42</b>	<b>1.51%</b>	-	-
G8	5.03	5.14	0.11	0.54%	2	2
EU 27	5.71	5.82	0.11	0.49%	11	9
OECD	6.17	5.66	-0.51	-2.14%	18	15

EU27 rankings out of 22 (of 27) countries with available data  
 OECD rankings out of 37 (of 42) countries with available data

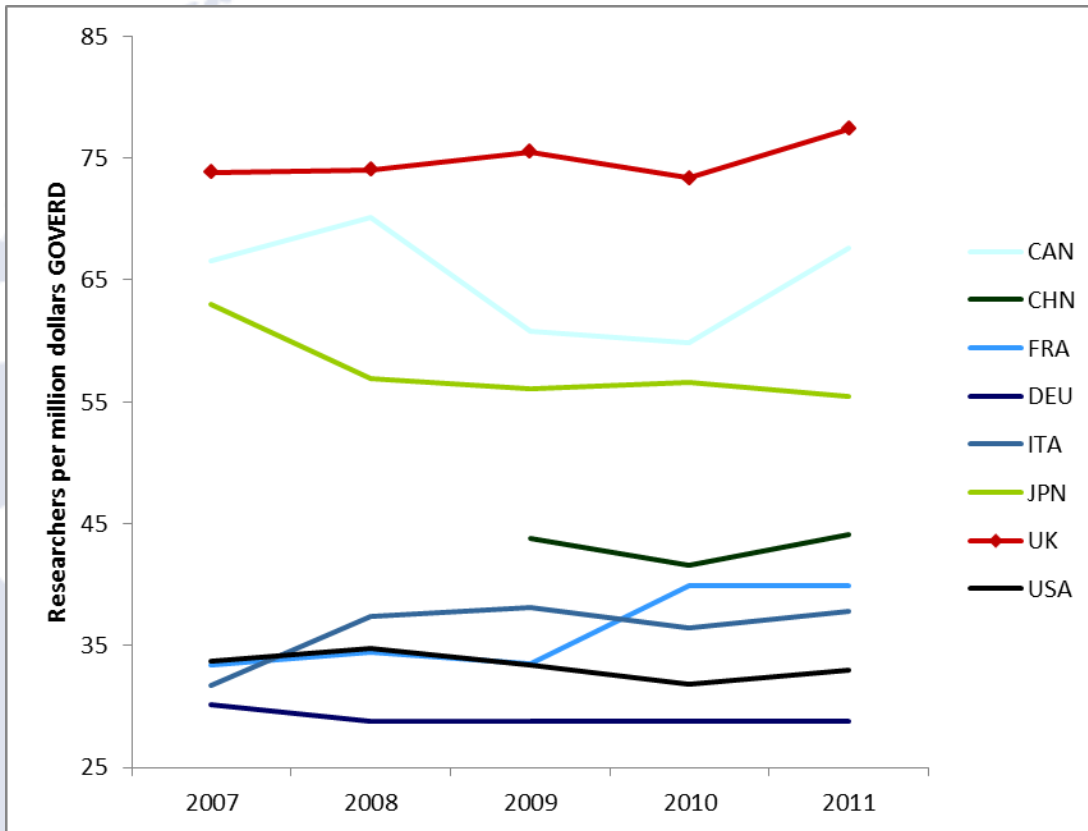
## Researchers per million dollars BERD – UK and comparator countries



	2007	2011	Change 07-11	CAGR 07-11	UK Rank 2007	UK Rank 2011
<b>UK</b>	<b>10.82</b>	<b>11.68</b>	<b>0.87</b>	<b>1.95%</b>	-	-
G8	7.18	7.56	0.38	1.30%	3	3
EU 27	9.02	9.43	0.41	1.11%	11	9
OECD	8.92	8.33	-0.59	-1.71%	20	17

EU27 rankings out of 22 (of 27) countries with available data  
 OECD rankings out of 37 (of 42) countries with available data

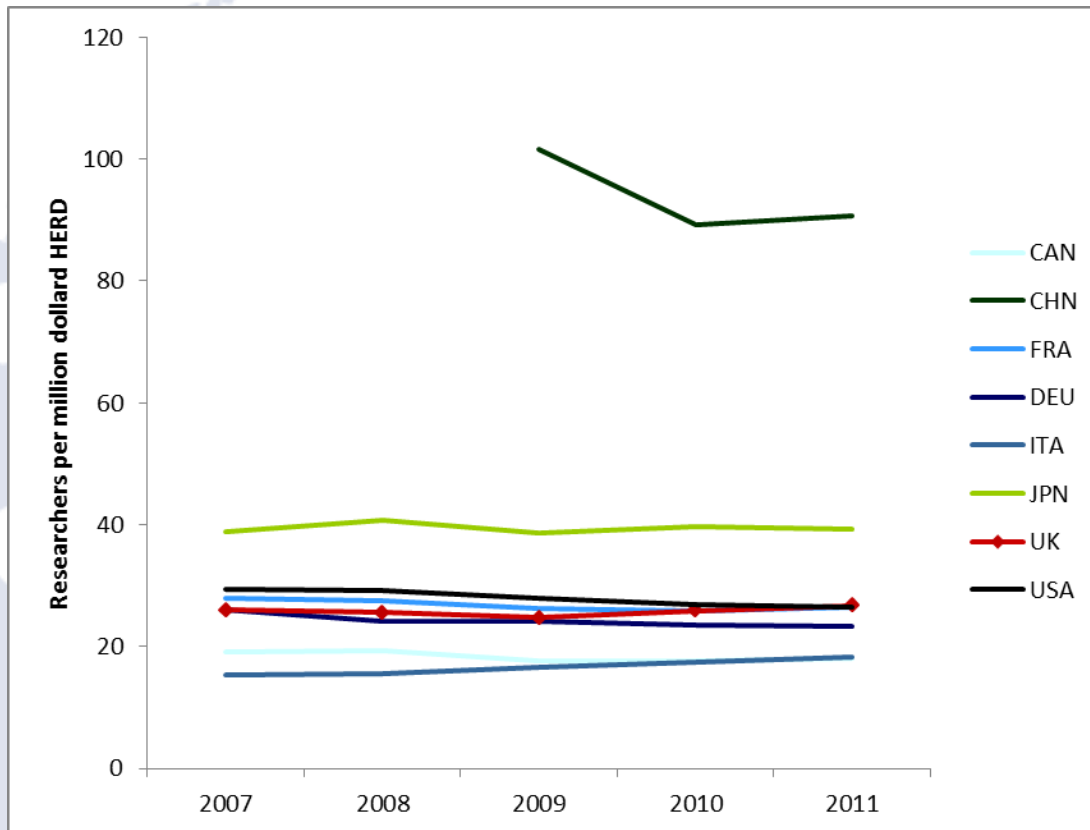
## Researchers per million dollars GOVERD – UK and comparator countries



	2007	2011	Change 07-11	CAGR 07-11	UK Rank 2007	UK Rank 2011
<b>UK</b>	<b>73.83</b>	<b>77.40</b>	<b>3.57</b>	<b>1.19%</b>	-	-
G8	42.50	40.92	-1.57	-0.94%	1	1
EU 27	43.14	44.27	1.13	0.65%	8	7
OECD	48.77	42.63	-6.14	-3.31%	12	9

EU27 rankings out of 22 (of 27) countries with available data  
 OECD rankings out of 37 (of 42) countries with available data

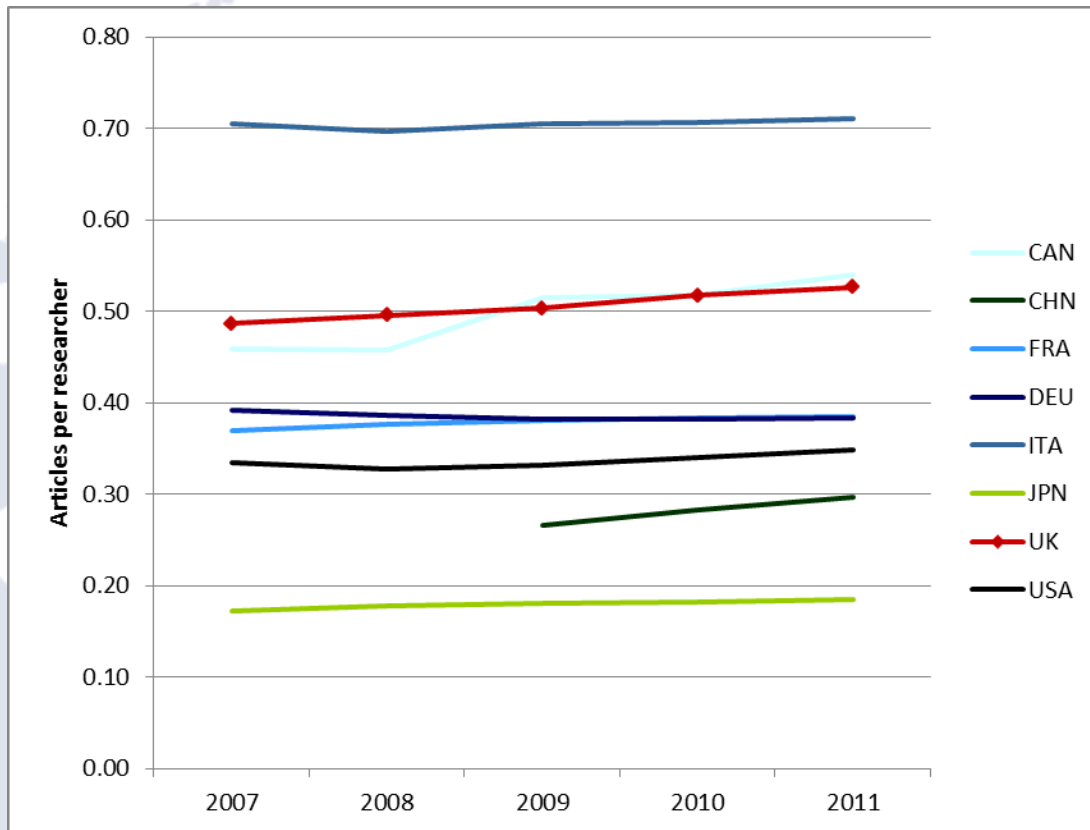
## Researchers per million dollars HERD – UK and comparator countries



	2007	2011	Change 07-11	CAGR 07-11	UK Rank 2007	UK Rank 2011
<b>UK</b>	<b>25.93</b>	<b>26.73</b>	<b>0.80</b>	<b>0.77%</b>	-	-
G8	32.49	30.06	-2.43	-1.93%	6	3
EU 27	25.34	24.15	-1.19	-1.20%	14	12
OECD	38.37	33.41	-4.96	-3.40%	22	18

EU27 rankings out of 22 (of 27) countries with available data  
 OECD rankings out of 36 (of 42) countries with available data

## Articles per researcher – UK and comparator countries

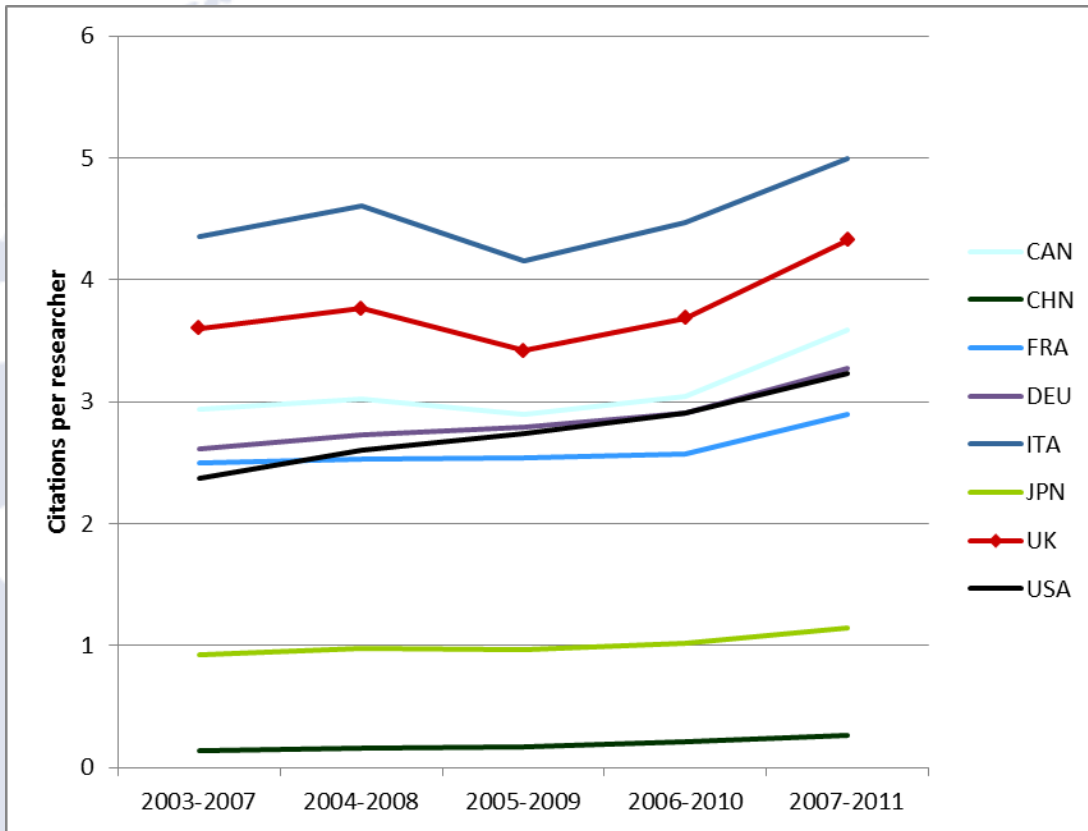


	2007	2011	Change 07-11	CAGR 07-11	UK Rank 2007	UK Rank 2011
<b>UK</b>	<b>0.48</b>	<b>0.52</b>	<b>0.04</b>	<b>1.92%</b>	-	-
G8	0.27	0.29	0.02	1.63%	2	3
EU 27	0.39	0.41	0.02	1.16%	8	10
OECD	0.25	0.30	0.05	4.64%	12	15

EU27 rankings out of 22 (of 27) countries with available data  
 OECD rankings out of 37 (of 42) countries with available data



## Citations per researcher – UK and comparator countries



	2007	2011	Change 07-11	CAGR 07-11	UK Rank 2007	UK Rank 2011
<b>UK</b>	<b>5.03</b>	<b>5.95</b>	<b>0.92</b>	<b>4.27%</b>	-	-
G8	2.24	2.72	0.48	5.00%	2	2
EU 27	3.21	3.77	0.56	4.07%	6	7
OECD	1.86	2.14	0.28	3.52%	7	9

EU27 rankings out of 22 (of 27) countries with available data  
 OECD rankings out of 36 (of 42) countries with available data

Each data point corresponds to articles published in the first year shown and citations to these articles over the subsequent 5 years, and researchers for the first year shown; i.e. the data point for 2007-2011 corresponds to 20087 articles and citations to these in the period 2007-2011, divided by 2007 researchers.