


Departamentul de Inginerie Chimica in statisticile mondiale in domeniul cercetării tehnologiilor de captare și stocare a carbonului

Conform unei analize realizată la nivel internațional și publicată recent în Science of total environment (2019), grupul de cercetare condus de prof. habil. dr. ing. Călin Cristian Cormoș de la Departamentul de Inginerie Chimica, ocupa locul 7 din 10 cele mai productive grupuri in care se fac cercetari in domeniul dedicat tehnologiilor de captarea și stocarea dioxidului de carbon (Carbon Capture and Storage, CCS). De asemenea, colegul nostru ocupa locul 3 din 10 cei mai productivi autori de articole in domeniul de cercetare mentionat, avand 15 articole si 340 citari in perioada 1997-2017. (Sursa <https://news.ubbcluj.ro/ubb-in-top-10-mondial-in-domeniul-cercetarii-tehnologiilor-de-captare-si-stocare-a-carbonului/>)


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Review

An analysis of research hotspots and modeling techniques on carbon capture and storage

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Table 3

Top 10 most productive institutes in research on CCS.

No.	Institute (country)	TP	RW (%)	RC (%)	TC	H-index
1	United State Department of Energy (USA)	49	5.51	24.75	1133	20
2	Carnegie Mellon University (USA)	35	3.93	17.68	2861	22
3	Utrecht University (Netherlands)	30	3.37	41.47	1235	17
4	University of Edinburgh (UK)	21	2.36	18.26	400	10
5	Chinese Academy of Sciences (China)	19	2.13	25.68	371	12
6	Imperial College London (UK)	17	1.91	14.78	1056	7
7	Babes Bolyai University from Cluj (Romania)	16	1.80	100.00	343	9
8	University of California (USA)	15	1.69	7.48	427	8
9	Pacific Northwest National Laboratory (USA)	14	1.57	7.07	312	11
10	Helmholtz Association (Germany)	13	1.46	22.81	313	8

Note: TP is the number of total publications; RW (%) is the ratio of the total publications of one institute to world publications; RC (%) is the ratio of the total publications of one institute to those of the corresponding country; TC is the number of total citations.

Table 4

Top 10 most productive authors in research on CCS during 1997–2017.

No.	Author	Country	TP	TC	TC/TP	h-index
1	Rubin E S	USA	23	2570	111.74	20
2	Faaij A	Netherlands	16	916	57.25	14
3	Cormos C C	Romania	15	340	22.67	9
4	Ramirez A	Netherlands	15	323	21.53	9
5	Mac D N	UK	13	742	57.08	7
6	Shackley S	UK	12	272	22.67	8
7	Terwel B W	Netherlands	11	298	27.09	8
8	Zhai H B	USA	11	269	24.45	7
9	Middleton R S	USA	10	303	30.30	8
10	Turkenburg W	Netherlands	9	675	75.00	9

Note: Country refers to the country where the first institution of the corresponding author's latest paper is located in; TP is the number of total publications; TC is the number of total citations; TC/TP is citations per publication.