

***Pseudo ranking of 112 US higher Education and research institutions in applied bio/eco
When all publications are considered ($\phi = 1$)
When direct 3-years citations are used to account for publications impact***

Institution	Strong dominance Rank	Strong dominance Importance	Dominance Rank	Dominance Importance	Weak dominance Rank	Weak dominance Importance
UC_Davis	1	.35366077751463	1	.67688195123431	1	.73892630695014
Cornell	2	.28512361441387	2	.16922048780858	2	.16833786244955
Florida	3	.24280369994786	3	.09416398504874	4	.03278742857596
WI_Madison	5	.02180493238374	4	.03269376495223	3	.03619213978625
Berkeley	12	.00445645829435	5	.00686353130175	5	.01178465165229
Michigan	6	.01427773740291	6	.00667904647992	6	.00589232582614
Georgia	4	.02545081775862	7	.00620831409105	7	.00192765617239
Oregon_State	7	.01075177775636	8	.00217137749134	9	.00105395968230
Twin_Cities	9	.00892398465265	9	.00150514621015	8	.00109642341758
Iowa_State	8	.00976603644815	10	.00145038096373	10	.00101355905568
Urbana_Champaign	10	.00795235512600	11	.00077549196119	11	.00034811586973
Raleigh	11	.00781756889415	12	.00075382728803	14	.00011924264761
Harvard	19	.00028627221903	13	.00016858929223	12	.00016408349530
Purdue	15	.00108714430597	14	.00016145910246	15	.00007555412291
Arizona	14	.00114062909740	15	.00009941792564	13	.00012369801671
UC_Riverside	16	.00048634375168	16	.00004775089602	16	.00006102448389
CO_State	18	.00040639001082	17	.00004267133422	17	.00003270669691
Texas_AM	13	.00256582462985	18	.00003159845450	21	.00000639367309
PA_Univ_Park	20	.00026639460477	19	.00002411267355	22	.00000401903924
Seattle	17	.00048476492491	20	.00002294259822	19	.00001928964681
Duke	21	.00016460164297	21	.00001412734985	18	.00002023723813
Stanford	24	.00002301144540	21	.00001412734985	20	.00001138003617
Columbus	22	.00014197951598	23	.00000260426823	23	.00000042858688
UM_Ann_Arbor	27	.00000766083643	24	.00000094940168	26	.00000035343355
MD_Coll_Park	26	.00000983430036	25	.00000060681781	27	.00000025881543
Lincoln	23	.00008025303816	26	.00000052586377	28	.00000009170364
UCSD	34	.00000286810202	27	.00000041556539	25	.00000035863984
UCSB	31	.00000402356678	28	.00000035354070	24	.00000038502692
Yale	30	.00000585557718	29	.00000015352832	29	.00000002928977
MA_Amherst	29	.00000617931901	30	.00000013833413	30	.00000001421663
New_Brunswick	33	.00000287209682	31	.00000003554502	32	.00000000383588
TN_Knoxville	28	.00000675435698	31	.00000003554502	32	.00000000383588
UCLA	35	.00000237699265	33	.00000002464740	31	.00000000431685
AZ_Tempe	32	.00000328803473	34	.00000002164617	34	.00000000348923
Virginia_Tech	25	.00002123394119	35	.00000001141365	38	.00000000045230
Bloomington	36	.00000103310120	36	.00000001023583	36	.00000000201413
Utah	44	.00000011931925	37	.00000000721335	35	.00000000262591
Princeton	47	.00000005523803	38	.00000000178095	37	.00000000077778
UC_Irvine	41	.00000015983017	39	.00000000064516	40	.00000000009348

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Chicago	49	.00000004783317	40	.00000000051034	40	.00000000009348
UNC	42	.00000014601501	41	.00000000044450	39	.00000000012131
Austin	37	.000000068778410	42	.00000000038617	42	.00000000003497
CO_Boulder	38	.00000046780710	43	.00000000037360	43	.00000000002837
Albuquerque	39	.00000021041159	44	.00000000023999	45	.00000000000978
Santa_Cruz	48	.00000005014696	45	.00000000007160	46	.00000000000718
WU_St_Louis	50	.00000004403739	46	.00000000006596	44	.00000000001300
CT_Storrs	43	.00000014455000	47	.00000000005018	50	.00000000000024
Pennsylvania	45	.00000009548918	48	.00000000003423	48	.00000000000089
Florida_State	56	.00000001265354	49	.00000000000673	49	.00000000000029
Pittsburgh	64	.00000000141535	50	.00000000000462	47	.00000000000131
Manoa	40	.00000018596841	51	.00000000000251	56	.00000000000002
Delaware	52	.00000002499028	52	.00000000000232	57	.00000000000001
Stony_Brook	51	.00000003707686	53	.00000000000225	52	.00000000000010
Columbia	57	.00000000969616	54	.00000000000150	55	.00000000000002
Dartmouth_Coll	61	.00000000225930	55	.00000000000106	51	.00000000000010
Brown	55	.00000001334113	56	.00000000000082	54	.00000000000003
UCSF	69	.00000000068230	57	.00000000000068	53	.00000000000005
Virginia	46	.00000005615671	58	.00000000000033	58	.00000000000001
Boston	54	.00000002331005	59	.00000000000019	59	.00000000000000
Emory	59	.00000000640389	60	.00000000000009	60	.00000000000000
Miami	53	.00000002409680	61	.00000000000005	65	.00000000000000
MIT	71	.00000000056154	62	.00000000000004	63	.00000000000000
Vanderbilt	66	.00000000109588	63	.00000000000003	61	.00000000000000
Notre_Dame	70	.00000000066198	64	.00000000000002	64	.00000000000000
IL_Chicago	58	.00000000844733	65	.00000000000001	69	.00000000000000
Tufts	60	.00000000407020	66	.00000000000001	67	.00000000000000
Johns_Hopkins	67	.00000000089729	67	.00000000000001	68	.00000000000000
Caltech	81	.00000000005974	68	.00000000000001	62	.00000000000000
Rice	76	.00000000019033	69	.00000000000000	66	.00000000000000
Iowa	62	.00000000209130	70	.00000000000000	71	.00000000000000
NYU	75	.00000000025289	71	.00000000000000	72	.00000000000000
USC	74	.00000000026180	72	.00000000000000	70	.00000000000000
Rockefeller	91	.00000000000500	73	.00000000000000	72	.00000000000000
Oregon	73	.00000000042379	74	.00000000000000	74	.00000000000000
Baylor_Coll_Med	77	.00000000016756	75	.00000000000000	75	.00000000000000
Cincinnati	63	.00000000145489	76	.00000000000000	76	.00000000000000
MD_Baltimore	72	.00000000050142	77	.00000000000000	78	.00000000000000
Wake_Forest	68	.00000000076435	77	.00000000000000	77	.00000000000000

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Georgia_Inst_Tech	65	.00000000117662	79	.00000000000000	79	.00000000000000
George_Washington	87	.00000000001260	80	.00000000000000	80	.00000000000000
Northwestern	82	.00000000003158	80	.00000000000000	81	.00000000000000
Birmingham	83	.00000000002721	82	.00000000000000	82	.00000000000000
CWRU	86	.00000000001498	83	.00000000000000	83	.00000000000000
Rochester	78	.00000000007093	84	.00000000000000	84	.00000000000000
Virginia_Comm	79	.00000000006669	85	.00000000000000	88	.00000000000000
Texas_SW_Med_Center	101	.00000000000195	86	.00000000000000	85	.00000000000000
MA_Boston	84	.00000000002289	87	.00000000000000	87	.00000000000000
Brandeis	102	.00000000000182	88	.00000000000000	86	.00000000000000
CO_Health	94	.00000000000306	89	.00000000000000	89	.00000000000000
Mt_Sinai	97	.00000000000297	90	.00000000000000	90	.00000000000000
OR_Health_Sci	89	.00000000000977	91	.00000000000000	92	.00000000000000
George_Mason	88	.00000000001243	92	.00000000000000	94	.00000000000000
TX_Anderson	80	.00000000006260	93	.00000000000000	93	.00000000000000
SUNY_Albany	85	.00000000001972	94	.00000000000000	95	.00000000000000
Health_Houston	95	.00000000000305	95	.00000000000000	96	.00000000000000
MA_Med_Sch	107	.00000000000087	96	.00000000000000	91	.00000000000000
Yeshiva	103	.00000000000135	97	.00000000000000	97	.00000000000000
Mayo_Coll_Med	96	.00000000000303	98	.00000000000000	99	.00000000000000
TN_Health	90	.00000000000729	99	.00000000000000	98	.00000000000000
Rutgers_Newark	98	.00000000000296	100	.00000000000000	100	.00000000000000
CT_Health	104	.00000000000125	101	.00000000000000	101	.00000000000000
Rensselaer	92	.00000000000441	102	.00000000000000	103	.00000000000000
CUNY	100	.00000000000215	103	.00000000000000	104	.00000000000000
UMDNJ	93	.00000000000407	104	.00000000000000	106	.00000000000000
TX_Health_SA	105	.00000000000100	105	.00000000000000	102	.00000000000000
Carnegie_Mellon	99	.00000000000261	106	.00000000000000	105	.00000000000000
WI_Med_Coll	108	.00000000000066	107	.00000000000000	107	.00000000000000
So_Methodist	106	.00000000000089	108	.00000000000000	108	.00000000000000
SUNY_Health_Brooklyn	110	.00000000000032	109	.00000000000000	109	.00000000000000
Boston_Coll	109	.00000000000032	110	.00000000000000	110	.00000000000000
NE_Med	112	.00000000000020	111	.00000000000000	111	.00000000000000
Polytech_Brooklyn	111	.00000000000021	112	.00000000000000	111	.00000000000000