

***Pseudo ranking of 112 US higher Education and research institutions in universe sciences
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
Caltech	2	.20746210559494	1	.74215921834638	1	.74235981414495
Berkeley	1	.21365749208611	2	.18553980458659	2	.18558995353624
Arizona	5	.17228142757510	3	.02620423118656	3	.02680331650065
CO_Boulder	4	.18361146730178	3	.02620423118656	3	.02680331650065
Seattle	3	.18742731183280	5	.01415720873361	5	.01238502726617
MIT	7	.00596265957329	6	.00393652565384	6	.00412834242206
UCLA	9	.00255533744771	7	.00084354121154	7	.00077148205456
Manoa	6	.00617525838741	8	.00058690794302	9	.00022632550033
PA_Univ_Park	17	.00086087721656	9	.00016189653146	10	.00017699134167
Princeton	21	.00047590839203	10	.00007914849714	8	.00067775398944
Stanford	8	.00368211390291	11	.00003810237778	12	.00002117222929
UCSD	13	.00171108292996	11	.00003810237778	13	.00001270333757
Columbia	14	.00163381558361	13	.00003389188490	11	.00003256777651
WI_Madison	10	.00254036811255	14	.00000504296176	16	.00000177846726
Johns_Hopkins	15	.00097455966871	15	.00000472176583	14	.00000381239084
MD_Coll_Park	11	.00210532109567	16	.00000440698144	15	.00000342562655
Santa_Cruz	29	.00010240308250	17	.00000087337489	17	.00000126109625
Chicago	31	.00001960229302	18	.00000082853180	18	.00000045354273
UM_Ann_Arbor	12	.00206512883039	19	.00000063528658	19	.00000016696338
Austin	16	.00089330735061	20	.00000037209643	19	.00000016696338
Harvard	30	.00003504159327	21	.00000010791801	22	.00000005366345
UCSB	25	.00019019880341	22	.00000007375052	21	.00000006864241
Twin_Cities	24	.00025676724278	23	.00000004232631	23	.00000001771896
Columbus	28	.00012477545212	24	.00000002249743	24	.00000001336842
Yale	34	.00000443476953	25	.00000001553029	25	.00000000722351
Oregon_State	19	.00075038502546	26	.00000001504825	26	.00000000315053
Urbana_Champaign	18	.00085180198575	27	.00000001361737	27	.00000000187833
Cornell	23	.00029949551258	28	.00000000680868	28	.00000000102444
UC_Davis	20	.00056096755708	29	.00000000486998	32	.00000000013822
AZ_Tempe	32	.00000744855562	30	.00000000187103	29	.00000000078956
Florida	22	.00037175561732	31	.00000000131261	34	.00000000004824
New_Brunswick	36	.00000364772859	32	.00000000109943	30	.00000000038410
CO_State	26	.00017300290810	33	.00000000097218	33	.00000000012428
Virginia	44	.00000128602199	34	.00000000058957	31	.00000000015636
Delaware	33	.00000464129911	35	.00000000010694	36	.00000000001095
MA_Amherst	40	.00000261235884	36	.00000000005719	35	.00000000001449
UC_Riverside	37	.00000327631714	37	.00000000004409	37	.00000000000627
Georgia_Inst_Tech	38	.00000324384720	38	.00000000001828	38	.00000000000181
Texas_AM	27	.00013725886958	39	.00000000001307	42	.00000000000089

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Stony_Brook	39	.00000323856525	40	.00000000001231	40	.00000000000108
UC_Irvine	47	.00000107751064	41	.00000000000558	39	.00000000000129
USC	48	.00000068072963	42	.00000000000468	41	.00000000000095
Miami	35	.00000381455965	43	.00000000000360	45	.00000000000012
Michigan	42	.00000163177275	44	.00000000000251	44	.00000000000021
Iowa	45	.00000118127061	45	.00000000000221	43	.00000000000048
Duke	43	.00000148298940	46	.00000000000043	47	.00000000000003
Carnegie_Mellon	63	.00000002905622	47	.00000000000028	46	.00000000000004
Purdue	46	.00000117780651	48	.00000000000026	52	.00000000000001
UNC	49	.00000065722714	49	.00000000000021	51	.00000000000001
Rice	54	.00000020920699	50	.00000000000015	48	.00000000000002
Boston	51	.00000056101704	51	.00000000000013	53	.00000000000001
Bloomington	55	.00000019588170	52	.00000000000013	49	.00000000000001
WU_St_Louis	62	.00000003032541	52	.00000000000013	49	.00000000000001
Florida_State	41	.00000238560016	54	.00000000000006	58	.00000000000000
Northwestern	59	.00000007536886	55	.00000000000006	54	.00000000000001
Raleigh	50	.00000056676077	56	.00000000000005	60	.00000000000000
Georgia	53	.00000036876310	57	.00000000000003	59	.00000000000000
Rochester	68	.00000002185464	58	.00000000000002	55	.00000000000000
Virginia_Tech	52	.00000039155839	59	.00000000000001	65	.00000000000000
Notre_Dame	65	.00000002676707	60	.00000000000001	56	.00000000000000
Utah	56	.00000014602856	61	.00000000000001	61	.00000000000000
Pittsburgh	71	.00000001224426	62	.00000000000001	57	.00000000000000
Brown	66	.00000002532855	63	.00000000000001	63	.00000000000000
Dartmouth_Coll	61	.00000003617632	64	.00000000000000	62	.00000000000000
Pennsylvania	74	.00000000665476	65	.00000000000000	64	.00000000000000
NYU	75	.00000000558092	66	.00000000000000	66	.00000000000000
TN_Knoxville	67	.00000002214602	67	.00000000000000	67	.00000000000000
Iowa_State	57	.00000013673123	68	.00000000000000	73	.00000000000000
SUNY_Albany	73	.00000001094117	69	.00000000000000	67	.00000000000000
George_Mason	70	.00000001314275	70	.00000000000000	69	.00000000000000
Lincoln	58	.00000008267775	71	.00000000000000	72	.00000000000000
Cincinnati	60	.00000004357185	72	.00000000000000	70	.00000000000000
Albuquerque	64	.00000002780185	73	.00000000000000	74	.00000000000000
Vanderbilt	78	.00000000162168	74	.00000000000000	71	.00000000000000
CWRU	77	.00000000256664	75	.00000000000000	75	.00000000000000
Rensselaer	76	.00000000416562	76	.00000000000000	76	.00000000000000
IL_Chicago	79	.00000000151048	77	.00000000000000	77	.00000000000000
CT_Storrs	69	.00000001324799	78	.00000000000000	79	.00000000000000

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Oregon	72	.00000001140276	79	.00000000000000	80	.00000000000000
MD_Baltimore	81	.00000000047242	80	.00000000000000	78	.00000000000000
Tufts	80	.00000000055468	81	.00000000000000	81	.00000000000000
UMDNJ	83	.00000000028579	82	.00000000000000	82	.00000000000000
Boston_Coll	84	.00000000015888	83	.00000000000000	83	.00000000000000
OR_Health_Sci	88	.00000000002757	84	.00000000000000	84	.00000000000000
So_Methodist	82	.00000000035115	85	.00000000000000	87	.00000000000000
Birmingham	86	.00000000004511	86	.00000000000000	86	.00000000000000
George_Washington	85	.00000000009192	86	.00000000000000	85	.00000000000000
Mt_Sinai	95	.00000000000826	88	.00000000000000	88	.00000000000000
CUNY	87	.00000000003109	89	.00000000000000	89	.00000000000000
UCSF	90	.00000000002189	90	.00000000000000	90	.00000000000000
Health_Houston	98	.00000000000360	91	.00000000000000	91	.00000000000000
Brandeis	89	.00000000002476	92	.00000000000000	92	.00000000000000
CO_Health	91	.00000000001716	93	.00000000000000	93	.00000000000000
Wake_Forest	96	.00000000000713	94	.00000000000000	94	.00000000000000
Rutgers_Newark	92	.00000000000947	95	.00000000000000	96	.00000000000000
Emory	93	.00000000000853	96	.00000000000000	97	.00000000000000
MA_Boston	94	.00000000000826	97	.00000000000000	98	.00000000000000
Mayo_Coll_Med	102	.00000000000120	98	.00000000000000	95	.00000000000000
Yeshiva	99	.00000000000331	99	.00000000000000	99	.00000000000000
TX_Anderson	100	.00000000000231	100	.00000000000000	100	.00000000000000
Texas_SW_Med_Center	104	.00000000000083	101	.00000000000000	101	.00000000000000
Virginia_Comm	97	.00000000000398	102	.00000000000000	102	.00000000000000
Rockefeller	105	.00000000000066	103	.00000000000000	103	.00000000000000
WI_Med_Coll	108	.00000000000036	104	.00000000000000	105	.00000000000000
Polytech_Brooklyn	101	.00000000000121	105	.00000000000000	107	.00000000000000
MA_Med_Sch	107	.00000000000037	106	.00000000000000	103	.00000000000000
TX_Health_SA	103	.00000000000096	107	.00000000000000	105	.00000000000000
Baylor_Coll_Med	106	.00000000000056	108	.00000000000000	108	.00000000000000
CT_Health	109	.00000000000019	108	.00000000000000	108	.00000000000000
TN_Health	111	.00000000000003	110	.00000000000000	110	.00000000000000
NE_Med	110	.00000000000014	111	.00000000000000	111	.00000000000000
SUNY_Health_Brooklyn	112	.00000000000001	112	.00000000000000	112	.00000000000000