

***Pseudo ranking of 112 US higher Education and research institutions in engineering sciences  
When only publications in the top 10% of their discipline are considered ( $\phi = 0.1$ )  
When direct 3-years citations are used to account for publications impact***

<b>Institution</b>	<b>Strong dominance Rank</b>	<b>Strong dominance Importance</b>	<b>Dominance Rank</b>	<b>Dominance Importance</b>	<b>Weak dominance Rank</b>	<b>Weak dominance Importance</b>
MIT	1	.46376486527157	1	.72902591274428	1	.72902588996821
Stanford	3	.06153839762503	2	.12150431879071	2	.12150431499470
Urbana_Champaign	2	.34068807002151	2	.12150431879071	2	.12150431499470
Berkeley	5	.04102559841669	4	.02025071979845	4	.02025071916578
UCLA	10	.00102340060448	5	.00354387596473	5	.00354387585401
UM_Ann_Arbor	6	.03151149317379	6	.00202507197985	6	.00202507191658
Georgia_Inst_Tech	4	.05199480009589	7	.00101253598992	7	.00101253595829
Twin_Cities	8	.00254438886161	8	.00075940199244	8	.00075940196872
Austin	7	.00304339410595	9	.00016875599832	9	.00016875599305
PA_Univ_Park	12	.00047696548737	10	.00010125359899	10	.00010125359583
Carnegie_Mellon	9	.00154312207754	11	.00008437799916	11	.00008437799652
UCSB	14	.00005698323519	12	.00000640434569	12	.00000644956295
Caltech	16	.00004248124040	13	.00000599788487	13	.00000628794534
Purdue	11	.00054384200968	14	.00000432080270	14	.00000413809102
Princeton	18	.00001080901790	15	.00000106739095	15	.00000107492716
UCSD	17	.00003372055743	16	.00000071159397	16	.00000071661811
Columbus	13	.00008231757215	17	.00000057610703	17	.00000052399544
MD_Coll_Park	15	.00005329356549	18	.00000022884986	18	.00000013875012
Texas_AM	21	.00000419098457	19	.00000005294256	20	.00000004815567
Northwestern	22	.00000169341280	20	.00000004516231	19	.00000006420755
WI_Madison	19	.00000979334428	21	.00000003814164	21	.00000003468753
Cornell	20	.00000488347413	22	.00000000602236	23	.00000000433594
UC_Davis	24	.00000033333253	23	.00000000538215	22	.00000000489750
Florida	23	.00000076977206	24	.00000000060281	24	.00000000048445
Seattle	25	.00000009669347	25	.00000000051944	25	.00000000043169
USC	27	.00000006033144	26	.00000000022995	26	.00000000019134
UC_Irvine	34	.0000000244027	27	.00000000017042	27	.00000000014291
Harvard	37	.0000000044151	28	.0000000006593	28	.0000000005522
CO_Boulder	29	.00000005052601	29	.0000000005321	29	.0000000004379
Raleigh	26	.00000009133046	29	.0000000005321	29	.0000000004379
Delaware	32	.00000000674526	31	.0000000002130	31	.0000000001779
Virginia_Tech	28	.00000005663118	32	.0000000000430	32	.0000000000352
Rensselaer	35	.0000000088846	33	.0000000000217	33	.0000000000181
Columbia	30	.00000001093123	34	.0000000000210	34	.0000000000173
Arizona	33	.0000000497466	35	.0000000000083	35	.0000000000068
Pennsylvania	38	.0000000031030	36	.0000000000045	36	.0000000000038
Iowa_State	40	.0000000016616	37	.0000000000008	37	.0000000000006
New_Brunswick	31	.00000000919008	38	.0000000000005	40	.0000000000003
Johns_Hopkins	41	.00000000010583	39	.0000000000004	39	.0000000000003

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Michigan	36	.00000000048326	39	.00000000000004	38	.00000000000004
Duke	39	.00000000024558	41	.00000000000001	41	.00000000000000
Iowa	43	.00000000007787	42	.00000000000000	42	.00000000000000
NYU	48	.00000000000591	43	.00000000000000	43	.00000000000000
Yale	46	.00000000002189	44	.00000000000000	44	.00000000000000
Brown	54	.00000000000055	45	.00000000000000	45	.00000000000000
AZ_Tempe	44	.00000000006842	46	.00000000000000	46	.00000000000000
CT_Storrs	42	.00000000008434	46	.00000000000000	48	.00000000000000
Virginia	45	.00000000002780	48	.00000000000000	47	.00000000000000
UNC	52	.00000000000137	49	.00000000000000	49	.00000000000000
Florida_State	55	.00000000000032	50	.00000000000000	50	.00000000000000
Utah	47	.00000000000704	51	.00000000000000	51	.00000000000000
Notre_Dame	50	.00000000000232	52	.00000000000000	52	.00000000000000
Rice	51	.00000000000168	53	.00000000000000	53	.00000000000000
Lincoln	53	.00000000000115	54	.00000000000000	54	.00000000000000
UC_Riverside	60	.00000000000006	55	.00000000000000	55	.00000000000000
WU_St_Louis	62	.00000000000001	56	.00000000000000	56	.00000000000000
IL_Chicago	49	.00000000000366	57	.00000000000000	57	.00000000000000
Pittsburgh	56	.00000000000011	58	.00000000000000	58	.00000000000000
Boston	59	.00000000000007	59	.00000000000000	59	.00000000000000
Cincinnati	57	.00000000000011	60	.00000000000000	60	.00000000000000
TN_Knoxville	58	.00000000000007	61	.00000000000000	61	.00000000000000
Vanderbilt	61	.00000000000003	62	.00000000000000	62	.00000000000000
Bloomington	66	.00000000000000	63	.00000000000000	63	.00000000000000
Stony_Brook	63	.00000000000001	64	.00000000000000	64	.00000000000000
Albuquerque	65	.00000000000000	65	.00000000000000	65	.00000000000000
MA_Amherst	64	.00000000000001	65	.00000000000000	65	.00000000000000
Georgia	70	.00000000000000	67	.00000000000000	67	.00000000000000
Chicago	69	.00000000000000	68	.00000000000000	68	.00000000000000
Rochester	71	.00000000000000	68	.00000000000000	68	.00000000000000
Oregon_State	72	.00000000000000	70	.00000000000000	70	.00000000000000
Manoa	74	.00000000000000	71	.00000000000000	71	.00000000000000
CWRU	67	.00000000000000	72	.00000000000000	72	.00000000000000
CO_State	68	.00000000000000	73	.00000000000000	73	.00000000000000
Miami	76	.00000000000000	74	.00000000000000	74	.00000000000000
Santa_Cruz	73	.00000000000000	75	.00000000000000	75	.00000000000000
Polytech_Brooklyn	75	.00000000000000	76	.00000000000000	76	.00000000000000
Dartmouth_Coll	78	.00000000000000	77	.00000000000000	77	.00000000000000
TX_Anderson	82	.00000000000000	78	.00000000000000	78	.00000000000000

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Institution	Strong dominance Rank	Strong dominance Importance	Dominance Rank	Dominance Importance	Weak dominance Rank	Weak dominance Importance
UCSF	83	.00000000000000	79	.00000000000000	79	.00000000000000
George_Mason	77	.00000000000000	80	.00000000000000	80	.00000000000000
CUNY	80	.00000000000000	81	.00000000000000	80	.00000000000000
So_Methodist	81	.00000000000000	81	.00000000000000	80	.00000000000000
George_Washington	79	.00000000000000	83	.00000000000000	83	.00000000000000
SUNY_Albany	86	.00000000000000	84	.00000000000000	84	.00000000000000
Mayo_Coll_Med	87	.00000000000000	85	.00000000000000	85	.00000000000000
OR_Health_Sci	90	.00000000000000	85	.00000000000000	85	.00000000000000
Tufts	88	.00000000000000	85	.00000000000000	85	.00000000000000
Emory	84	.00000000000000	88	.00000000000000	89	.00000000000000
MD_Baltimore	85	.00000000000000	88	.00000000000000	88	.00000000000000
Boston_Coll	89	.00000000000000	90	.00000000000000	90	.00000000000000
UMDNJ	96	.00000000000000	91	.00000000000000	91	.00000000000000
Virginia_Comm	91	.00000000000000	92	.00000000000000	92	.00000000000000
CO_Health	92	.00000000000000	93	.00000000000000	94	.00000000000000
Wake_Forest	93	.00000000000000	94	.00000000000000	93	.00000000000000
Brandeis	94	.00000000000000	95	.00000000000000	97	.00000000000000
Rockefeller	98	.00000000000000	96	.00000000000000	95	.00000000000000
Texas_SW_Med_Center	99	.00000000000000	97	.00000000000000	95	.00000000000000
Birmingham	95	.00000000000000	98	.00000000000000	99	.00000000000000
Oregon	97	.00000000000000	99	.00000000000000	98	.00000000000000
Mt_Sinai	101	.00000000000000	100	.00000000000000	100	.00000000000000
Baylor_Coll_Med	100	.00000000000000	101	.00000000000000	101	.00000000000000
WI_Med_Coll	103	.00000000000000	102	.00000000000000	102	.00000000000000
Health_Houston	102	.00000000000000	103	.00000000000000	103	.00000000000000
Rutgers_Newark	105	.00000000000000	104	.00000000000000	104	.00000000000000
TN_Health	108	.00000000000000	105	.00000000000000	105	.00000000000000
MA_Boston	104	.00000000000000	106	.00000000000000	106	.00000000000000
SUNY_Health_Brooklyn	111	.00000000000000	107	.00000000000000	107	.00000000000000
Yeshiva	107	.00000000000000	108	.00000000000000	108	.00000000000000
TX_Health_SA	106	.00000000000000	109	.00000000000000	109	.00000000000000
CT_Health	110	.00000000000000	110	.00000000000000	110	.00000000000000
MA_Med_Sch	109	.00000000000000	111	.00000000000000	111	.00000000000000
NE_Med	112	.00000000000000	112	.00000000000000	112	.00000000000000