

***Pseudo ranking of 112 US higher Education and research institutions in physics
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***

Institution	Strong dominance Rank	Strong dominance Importance	Dominance Rank	Dominance Importance	Weak dominance Rank	Weak dominance Importance
MIT	1	.74169884306940	1	.72916663150074	1	.72916663148754
Berkeley	2	.17076467831704	2	.12152777191679	2	.12152777191459
Stanford	4	.02932006490061	2	.12152777191679	2	.12152777191459
UCSB	3	.04269116957926	4	.02025462865280	4	.02025462865243
Caltech	5	.00743884640338	5	.00337577144213	5	.00337577144207
Harvard	6	.00288847441877	5	.00337577144213	5	.00337577144207
Princeton	8	.00185971160084	7	.00056262857369	7	.00056262857368
Cornell	10	.00015674986223	8	.00009377142895	8	.00009377142895
Urbana_Champaign	7	.00285729895941	8	.00009377142895	8	.00009377142895
MD_Coll_Park	9	.00015762700943	10	.00001562857149	10	.00001562857149
UM_Ann_Arbor	11	.00010758733208	11	.00000264730187	11	.00000264687039
WI_Madison	13	.00001758150826	12	.00000251968201	12	.00000252054497
UCLA	14	.00000789605029	13	.00000030974319	13	.00000030974186
Northwestern	16	.00000326583505	14	.00000022040762	14	.00000022069793
PA_Univ_Park	12	.00002072955776	15	.00000006380993	15	.00000006316271
Seattle	15	.00000769686290	16	.00000004466778	16	.00000004452197
Chicago	17	.00000045059630	17	.00000003673460	17	.00000003678299
Twin_Cities	19	.00000031277759	18	.00000000531749	18	.00000000526356
Pennsylvania	22	.00000004110776	19	.00000000347804	19	.00000000355084
Florida	18	.00000044107510	20	.00000000127620	20	.00000000126325
Columbia	31	.00000000027464	21	.00000000030398	21	.00000000034479
CO_Boulder	23	.00000002453400	22	.00000000021118	22	.00000000020947
Austin	21	.00000019006260	23	.00000000010024	23	.00000000009860
Iowa_State	24	.00000002267512	24	.00000000004378	24	.00000000004337
UCSD	20	.00000027937836	25	.00000000001974	25	.00000000001934
New_Brunswick	28	.00000000075165	26	.00000000001531	26	.00000000001527
Columbus	26	.00000000224346	27	.00000000000828	27	.00000000000826
Texas_AM	25	.00000001032413	28	.00000000000236	28	.00000000000215
Yale	30	.00000000054840	29	.00000000000151	29	.00000000000151
Georgia_Inst_Tech	27	.00000000119001	30	.00000000000024	30	.00000000000023
Rice	38	.00000000001617	31	.00000000000010	31	.00000000000012
Johns_Hopkins	35	.00000000003524	32	.00000000000006	32	.00000000000006
Duke	34	.00000000003573	33	.00000000000001	33	.00000000000001
UC_Irvine	33	.00000000018289	34	.00000000000001	35	.00000000000000
Stony_Brook	41	.00000000000123	35	.00000000000000	33	.00000000000001
Rochester	29	.00000000066103	36	.00000000000000	36	.00000000000000
Purdue	39	.00000000000466	37	.00000000000000	37	.00000000000000
Arizona	32	.00000000021900	38	.00000000000000	38	.00000000000000
UC_Davis	37	.00000000001711	39	.00000000000000	40	.00000000000000

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Boston	36	.0000000001727	40	.0000000000000	39	.0000000000000
Michigan	43	.0000000000050	41	.0000000000000	41	.0000000000000
AZ_Tempe	40	.0000000000222	42	.0000000000000	42	.0000000000000
Florida_State	42	.0000000000053	42	.0000000000000	42	.0000000000000
NYU	47	.0000000000001	44	.0000000000000	44	.0000000000000
Utah	44	.0000000000045	45	.0000000000000	45	.0000000000000
Raleigh	46	.0000000000004	46	.0000000000000	46	.0000000000000
Delaware	45	.0000000000005	47	.0000000000000	47	.0000000000000
Bloomington	52	.0000000000000	48	.0000000000000	48	.0000000000000
UC_Riverside	48	.0000000000000	49	.0000000000000	49	.0000000000000
Brown	49	.0000000000000	50	.0000000000000	50	.0000000000000
Notre_Dame	53	.0000000000000	51	.0000000000000	51	.0000000000000
CT_Storrs	55	.0000000000000	52	.0000000000000	52	.0000000000000
MA_Amherst	56	.0000000000000	53	.0000000000000	54	.0000000000000
Virginia	57	.0000000000000	54	.0000000000000	53	.0000000000000
USC	59	.0000000000000	55	.0000000000000	55	.0000000000000
Lincoln	50	.0000000000000	56	.0000000000000	56	.0000000000000
Albuquerque	62	.0000000000000	57	.0000000000000	57	.0000000000000
Virginia_Tech	54	.0000000000000	58	.0000000000000	58	.0000000000000
Rensselaer	51	.0000000000000	59	.0000000000000	59	.0000000000000
WU_St_Louis	64	.0000000000000	60	.0000000000000	60	.0000000000000
Carnegie_Mellon	60	.0000000000000	61	.0000000000000	61	.0000000000000
UNC	58	.0000000000000	62	.0000000000000	62	.0000000000000
Vanderbilt	66	.0000000000000	63	.0000000000000	63	.0000000000000
TN_Knoxville	61	.0000000000000	64	.0000000000000	64	.0000000000000
Boston_Coll	70	.0000000000000	65	.0000000000000	65	.0000000000000
Pittsburgh	63	.0000000000000	66	.0000000000000	66	.0000000000000
Iowa	65	.0000000000000	67	.0000000000000	67	.0000000000000
Manoa	77	.0000000000000	68	.0000000000000	68	.0000000000000
Georgia	67	.0000000000000	69	.0000000000000	69	.0000000000000
Oregon	69	.0000000000000	70	.0000000000000	70	.0000000000000
CWRU	74	.0000000000000	71	.0000000000000	71	.0000000000000
Cincinnati	68	.0000000000000	72	.0000000000000	73	.0000000000000
IL_Chicago	72	.0000000000000	73	.0000000000000	72	.0000000000000
Dartmouth_Coll	78	.0000000000000	74	.0000000000000	74	.0000000000000
CO_State	71	.0000000000000	75	.0000000000000	75	.0000000000000
Emory	73	.0000000000000	76	.0000000000000	76	.0000000000000
Santa_Cruz	76	.0000000000000	77	.0000000000000	77	.0000000000000
Virginia_Comm	75	.0000000000000	78	.0000000000000	78	.0000000000000

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Brandeis	79	.0000000000000000	79	.0000000000000000	79	.0000000000000000
Rockefeller	81	.0000000000000000	80	.0000000000000000	80	.0000000000000000
Miami	82	.0000000000000000	81	.0000000000000000	81	.0000000000000000
CUNY	80	.0000000000000000	82	.0000000000000000	82	.0000000000000000
Tufts	83	.0000000000000000	82	.0000000000000000	82	.0000000000000000
George_Washington	84	.0000000000000000	84	.0000000000000000	84	.0000000000000000
George_Mason	86	.0000000000000000	85	.0000000000000000	85	.0000000000000000
Oregon_State	85	.0000000000000000	86	.0000000000000000	86	.0000000000000000
SUNY_Albany	88	.0000000000000000	87	.0000000000000000	87	.0000000000000000
Yeshiva	87	.0000000000000000	88	.0000000000000000	88	.0000000000000000
MD_Baltimore	89	.0000000000000000	89	.0000000000000000	92	.0000000000000000
So_Methodist	91	.0000000000000000	89	.0000000000000000	89	.0000000000000000
UCSF	89	.0000000000000000	89	.0000000000000000	90	.0000000000000000
Wake_Forest	93	.0000000000000000	89	.0000000000000000	90	.0000000000000000
Birmingham	94	.0000000000000000	93	.0000000000000000	93	.0000000000000000
CO_Health	95	.0000000000000000	94	.0000000000000000	94	.0000000000000000
Polytech_Brooklyn	92	.0000000000000000	95	.0000000000000000	95	.0000000000000000
CT_Health	97	.0000000000000000	96	.0000000000000000	96	.0000000000000000
SUNY_Health_Brooklyn	99	.0000000000000000	97	.0000000000000000	97	.0000000000000000
Mayo_Coll_Med	96	.0000000000000000	98	.0000000000000000	99	.0000000000000000
Texas_SW_Med_Center	98	.0000000000000000	99	.0000000000000000	98	.0000000000000000
Health_Houston	104	.0000000000000000	100	.0000000000000000	100	.0000000000000000
MA_Med_Sch	100	.0000000000000000	101	.0000000000000000	101	.0000000000000000
TN_Health	103	.0000000000000000	102	.0000000000000000	102	.0000000000000000
Mt_Sinai	102	.0000000000000000	103	.0000000000000000	103	.0000000000000000
TX_Anderson	101	.0000000000000000	104	.0000000000000000	104	.0000000000000000
OR_Health_Sci	108	.0000000000000000	105	.0000000000000000	105	.0000000000000000
TX_Health_SA	106	.0000000000000000	106	.0000000000000000	106	.0000000000000000
Baylor_Coll_Med	105	.0000000000000000	107	.0000000000000000	107	.0000000000000000
WI_Med_Coll	107	.0000000000000000	108	.0000000000000000	108	.0000000000000000
UMDNJ	109	.0000000000000000	109	.0000000000000000	109	.0000000000000000
Rutgers_Newark	110	.0000000000000000	110	.0000000000000000	110	.0000000000000000
NE_Med	111	.0000000000000000	111	.0000000000000000	111	.0000000000000000
MA_Boston	112	.0000000000000000	112	.0000000000000000	112	.0000000000000000