

CIVIL & ENVIRONMENTAL ENGINEERING

IN THIS DEPARTMENT

[Department Home](#)[About](#)[Undergraduate Study](#)[Graduate Study](#)[Architectural
Engineering & Design
Certificate](#)[Courses](#)[People](#)[Career Opportunities](#)[Research](#)[News](#)[Newsletter](#)[Events](#)[Current Students](#)[Alumni](#)[Contact Us](#)

DEPARTMENT NEWS

Prof. Zdeněk P. Bažant Ranked No. 1 in Civil Engineering

SEP 3, 2019

[Prof. Zdeněk P. Bažant](#) is ranked No. 1 in [Civil Engineering](#), and No. 2 in [engineering of all fields](#) (after John Hutchinson). He is among top 0.0056% of all six million scientists worldwide.

This data was gathered in a Stanford University survey, published in [PLoS](#). Scopus citation data for 6 million scientists in 22 major fields and 176 sub-fields were analyzed. The survey, deposited in Mendeley Data, covered citations during the period 1996–2017. 100,000 scientists were sorted and ranked by a composite point index. The index excludes self-citations. It is filtered by six different weights, taking into account the first, last or corresponding author, the number of authors per paper (e.g., 1, 3, 20), reciprocal citations, etc. Both living and deceased authors cited during that period are covered.

To read more about the study, click [here](#).



YOU ARE HERE

[ENGINEERING HOME](#) /
[CIVIL & ENVIRONMENTAL
ENGINEERING](#) /
[NEWS](#) /
[NEWS ARTICLE](#)

Recent Stories

[Surendra Shah Elected Member
of Russian Academy of
Engineering](#)

[Prof. Zdeněk P. Bažant Ranked
No. 1 in Civil Engineering](#)

[Urgent Call for Climate
Adaptation in the Great Lakes
Region](#)

[Architecture, Engineering, &
Design at Northwestern
University](#)

Join Us

[BACK TO TOP](#)

Civil Engineering Sub Field, ranked without self-citation

Author	Institution	Cntry	Self-citation excluded				% self-	Total with self-citations				Sub Field		Major Field
			rank	#citation	h-index	score	citation	rank	#citation	h-index	score	Primary	Secondary	
Bažant, Zdeněk P.	Northwestern University	usa	390	25114	78	4.6324	16.26%	308	29991	85	65.21667	Civil Engineering	Mechanical Engineering	Engineering
Adeli, Hojjat	The Ohio State University	usa	5037	13897	70	4.1499	19.68%	4008	17302	81	50.75952	Civil Engineering	Artificial Intelligence	Engineering
Shinozuka, Masanobu	Columbia University	usa	8111	11039	48	4.0392	6.69%	9178	11830	50	29.88831	Civil Engineering	Strategic, Defence & Engineering	Engineering
Guedes Soares, C.	Ministry of Education China	chn	11268	11372	46	3.9581	45.74%	3423	20960	61	47.37703	Civil Engineering	Oceanography	Engineering
Melchers, Robert E.	University of Newcastle	aus	11317	5370	38	3.9571	28.16%	6294	7475	48	41.5	Civil Engineering	Energy	Engineering
Ellingwood, Bruce R.	Colorado State University	usa	14209	6516	44	3.8971	11.04%	13981	7325	46	33.91667	Civil Engineering	Strategic, Defence & Engineering	Engineering
Teng, Jinguang	Hong Kong Polytechnic University	hkg	14943	12169	54	3.8841	14.75%	13325	14275	58	32.68333	Civil Engineering	Building & Construction	Engineering
Der Kiureghian, Armen	University of California at Berkeley	usa	15973	7167	44	3.8661	7.52%	18080	7750	46	27.43452	Civil Engineering	Strategic, Defence & Engineering	Engineering
Li, Guo Qiang	Tongji University	chn	16062	12596	51	3.8646	18.36%	13474	15428	58	34.60476	Civil Engineering	Mechanical Engineering	Engineering
Wen, Yi Kwei	University of Illinois at Urbana-Champaign	usa	16223	5656	32	3.8623	2.53%	19283	5803	32	21.75	Civil Engineering	Strategic, Defence & Engineering	Engineering
Frangopol, Dan M.	Lehigh University	usa	16909	8863	47	3.8513	31.91%	9389	13017	59	41.75	Civil Engineering	Applied Mathematics	Engineering
Baker, Chris	University of Birmingham	gbr	17506	4456	39	3.8418	13.12%	17345	5129	43	29.71273	Civil Engineering	Meteorology & Atmospheric	Engineering
Kareem, Ahsan	University of Notre Dame	usa	18930	6419	42	3.8199	19.52%	15743	7976	48	33.80311	Civil Engineering	Acoustics	Engineering
Wang, C. M.	National University of Singapore	sgp	19912	8922	47	3.8052	14.96%	17741	10492	51	31.86786	Civil Engineering	Mechanical Engineering	Engineering
Faltinsen, Odd M.	Norwegian University of Science and Technology	nor	22519	4420	35	3.7711	16.79%	21410	5312	38	25.83333	Civil Engineering	Fluids & Plasmas	Engineering
Beck, James L.	California Institute of Technology	usa	22614	8083	42	3.7700	16.61%	20491	9693	48	27.95397	Civil Engineering	Strategic, Defence & Engineering	Engineering
Spencer, Billie F.	University of Illinois at Urbana-Champaign	usa	23004	14423	45	3.7653	12.67%	23155	16516	49	28.56331	Civil Engineering	Strategic, Defence & Engineering	Engineering
Wong, Kai Juan	Nanyang Technological University	sgp	23274	9919	47	3.7622	9.31%	25369	10937	50	22.59072	Civil Engineering	Oncology & Cancer	Clinical Medicine
Triantafyllou, Thanasis C.	University of Patras	grc	24242	5595	36	3.7507	8.68%	25348	6127	40	21.16893	Civil Engineering	Building & Construction	Engineering
Vecchio, Frank J.	University of Toronto	can	28370	4810	31	3.7034	10.16%	27781	5354	34	23.41667	Civil Engineering	Building & Construction	Engineering
Rackwitz, R.	Technical University of Munich	deu	29150	4709	26	3.6958	5.12%	31600	4963	29	20.66667	Civil Engineering	Strategic, Defence & Engineering	Engineering
Li, Qiu Sheng	City University of Hong Kong	hkg	29392	4797	36	3.6934	22.83%	23698	6216	42	27.08571	Civil Engineering	Mechanical Engineering	Engineering
Nanni, Antonio	University of Miami	usa	29402	5982	41	3.6933	9.71%	31673	6625	44	26.62778	Civil Engineering	Building & Construction	Engineering
Masri, Sami F.	University of Southern California	usa	29640	6994	40	3.6908	13.85%	27127	8118	45	24.91786	Civil Engineering	Mechanical Engineering	Engineering
Paik, Jeom Kee	Pusan National University	kor	29660	3741	34	3.6905	23.14%	24938	4867	39	26.775	Civil Engineering	Applied Mathematics	Engineering
Zdravkovich, M. M.	University of Salford	gbr	29710	3977	18	3.6901	0.25%	35496	3987	19	15.5	Civil Engineering	Mechanical Engineering	Engineering
Xu, Y. L.	Hong Kong Polytechnic University	hkg	29758	6101	41	3.6896	19.14%	27262	7545	47	29.84091	Civil Engineering	Strategic, Defence & Engineering	Engineering
Han, Lin Hai	Tsinghua University	chn	30347	5540	40	3.6839	26.06%	22078	7493	49	29.86667	Civil Engineering	Mechanical Engineering	Engineering
Zavadskas, Edmundas Kazim	Vilnius Gediminas Technical University	ltu	32257	8760	48	3.6657	31.21%	21978	12735	59	34.62738	Civil Engineering	Artificial Intelligence	Engineering
Stewart, Mark G.	University of Newcastle	aus	32443	4042	33	3.6639	20.24%	25070	5068	40	26.51667	Civil Engineering	Strategic, Defence & Engineering	Engineering
Hao, Hong	Guangzhou University	chn	32548	7411	43	3.6630	25.64%	23391	9967	51	34.66667	Civil Engineering	Mechanical Engineering	Engineering
Brownjohn, J.M.W.	University of Exeter	gbr	33498	4092	32	3.6540	14.55%	32283	4789	36	21.25833	Civil Engineering	Acoustics	Engineering
Kodur, V. K.R.	Clemson University	usa	34205	4158	36	3.6477	20.86%	27827	5254	42	29.85	Civil Engineering	Building & Construction	Engineering
Au, Siu Kui	University of Liverpool	gbr	35766	4389	29	3.6342	19.38%	26679	5444	37	23.7	Civil Engineering	Acoustics	Engineering
Schueller, G. I.	University of Innsbruck	aut	35814	4532	35	3.6337	11.88%	37305	5143	38	22.62998	Civil Engineering	Applied Mathematics	Engineering
Schafer, Benjamin W.	Johns Hopkins University	usa	37263	4080	31	3.6212	20.87%	33695	5156	35	22.82619	Civil Engineering	Biomedical Engineering	Engineering
Jangid, R. S.	Indian Institute of Technology, Delhi	ind	37373	3139	31	3.6204	10.57%	37923	3510	32	26.5	Civil Engineering	Strategic, Defence & Engineering	Engineering
Lourenço, Paulo B.	University of Minho	prt	37787	5388	43	3.6170	23.80%	34235	7071	47	27.62728	Civil Engineering	Building & Construction	Engineering
Grigoriu, Mircea	Cornell University	usa	37890	3232	27	3.6161	14.70%	36158	3789	30	21.95498	Civil Engineering	Mechanical Engineering	Engineering
Bradford, M. A.	University of New South Wales	aus	39765	4629	34	3.6009	32.31%	27015	6839	40	26.78333	Civil Engineering	Applied Mathematics	Engineering

Engineering Major Field, ranked without self-citation

Author	Institution	Cntry	Self-citation excluded				% self-	Total with self-citations				Sub Field		Major Field
			rank	#citation	h-index	score	citation	rank	#citation	h-index	score	Primary	Secondary	
Hutchinson, John W.	Harvard University	usa	307	44846	101	4.6844	5.52%	342	47464	104	63.84484	Mechanical Engineeri	Materials	Engineering
Bažant, Zdeněk P.	Northwestern University	usa	390	25114	78	4.6324	16.26%	308	29991	85	65.21667	Civil Engineering	Mechanical Engineeri	Engineering
Beven, Keith	Lancaster University	gbr	427	28619	77	4.6190	13.45%	348	33065	87	58.45881	Environmental Engine	Meteorology & Atmo:	Engineering
Van Genuchten, Martinus T	Universidade Estadual Paulista	bra	459	29362	69	4.6082	6.64%	477	31449	72	38.65595	Environmental Engine	Agronomy & Agricultu	Engineering
Rice, James R.	Harvard University	usa	464	27974	74	4.6063	3.24%	554	28911	75	49.13333	Mechanical Engineeri	Meteorology & Atmo:	Engineering
Akagi, Hirofumi	Tokyo Institute of Technology	jpn	588	28983	76	4.5615	6.68%	641	31057	78	48.74167	Electrical & Electronic	Otorhinolaryngology	Engineering
Bejan, Adrian	Duke University	usa	594	20072	63	4.5584	14.33%	491	23430	69	56.83333	Mechanical Engineeri	Energy	Engineering
Pfurtscheller, Gert	Graz University of Technology	aut	626	34829	94	4.5458	8.47%	643	38054	99	48.21585	Biomedical Engineeri	Neurology & Neurosu	Engineering
Elimelech, Menachem	Yale University	usa	671	51830	120	4.5336	9.14%	678	57043	126	70.78214	Environmental Scienc	Chemical Engineering	Engineering
Peng, Fang Z.	Michigan State University	usa	771	30453	73	4.5105	8.02%	776	33110	77	43.92063	Electrical & Electronic	Energy	Engineering
Hubbell, Jeffrey A.	University of Chicago	usa	865	36426	101	4.4926	8.71%	916	39900	106	55.63308	Biomedical Engineeri	Polymers	Engineering
Thrun, Sebastian	Stanford University	usa	889	31946	85	4.4885	3.55%	1012	33122	88	44.56484	Industrial Engineering	Artificial Intelligence	Engineering
Reddy, J. N.	Texas A and M University	usa	897	21478	67	4.4877	8.27%	915	23414	72	49.18333	Mechanical Engineeri	Applied Mathematics	Engineering
Tucker, Compton J.	NASA Goddard Space Flight Ce	usa	904	32598	83	4.4873	6.84%	1049	34993	88	34.04597	Geological & Geomat	Meteorology & Atmo:	Engineering
McKay, Gordon	Hamad bin Khalifa University	qat	928	39646	79	4.4811	4.77%	1022	41633	82	47.70952	Chemical Engineering	Environmental Scienc	Engineering
Ren, Wei	University of California at Rive	usa	1021	24351	67	4.4642	6.04%	1150	25916	71	39.01667	Industrial Engineering	Electrical & Electronic	Engineering
Sontag, Eduardo D.	Northeastern University	usa	1045	19856	62	4.4611	9.61%	1061	21966	66	46.95	Industrial Engineering	Bioinformatics	Engineering
Hill, Rodney	University of Cambridge	gbr	1094	17344	39	4.4531	0.41%	1426	17415	39	34.66667	Mechanical Engineeri	Applied Mathematics	Engineering
Hutmacher, Dietmar W.	Queensland University of Techn	aus	1254	26253	75	4.4306	11.51%	1248	29667	81	35.98907	Biomedical Engineeri	Dentistry	Engineering
Kokubo, Tadashi	Chubu University	jpn	1282	30289	80	4.4265	12.90%	1186	34776	90	36.0588	Biomedical Engineeri	Materials	Engineering
Gao, Huajian	Brown University	usa	1319	28529	84	4.4212	12.66%	1202	32664	89	50.68167	Mechanical Engineeri	Materials	Engineering
Needleman, Alan	Texas A and M University	usa	1326	23393	69	4.4204	7.32%	1435	25240	71	46.71111	Mechanical Engineeri	Materials	Engineering
Blaabjerg, Frede	Aalborg University	dnk	1402	50827	103	4.4110	15.39%	1239	60072	115	60.59802	Electrical & Electronic	Energy	Engineering
Patankar, Suhas V.	University of Minnesota	usa	1537	20324	40	4.3940	1.26%	1798	20584	42	27.21369	Mechanical Engineeri	Building & Constructi	Engineering
Saaty, Thomas L.	University of Pittsburgh	usa	1543	14453	43	4.3933	1.09%	1951	14613	43	35.41667	Operations Research	Numerical & Comput:	Engineering
Hashin, Zvi	Tel Aviv University	isr	1557	16921	40	4.3913	0.24%	1996	16961	40	33.83333	Mechanical Engineeri	Materials	Engineering
Foody, Giles M.	University of Nottingham	gbr	1623	13563	60	4.3837	9.32%	1622	14957	65	45.28382	Geological & Geomat	Ecology	Engineering
Laporte, Gilbert	HEC Montreal	can	1633	23992	80	4.3827	8.47%	1779	26212	84	49.81667	Operations Research	Logistics & Transport:	Engineering
Badylak, Stephen F.	University of Pittsburgh	usa	1696	25742	84	4.3761	18.84%	1305	31719	99	39.84679	Biomedical Engineeri	Surgery	Engineering
Marcus, Yizhak	Hebrew University of Jerusalem	isr	1740	12382	49	4.3709	7.24%	1765	13348	52	44.23333	Chemical Engineering	Chemical Physics	Engineering
Ikada, Yoshito	Kyoto University	jpn	1815	30393	89	4.3611	12.71%	1816	34818	95	51.78447	Biomedical Engineeri	Polymers	Engineering
Fleck, Norman A.	University of Cambridge	gbr	1863	26406	81	4.3572	7.43%	2014	28524	85	49.71667	Mechanical Engineeri	Materials	Engineering
Tvergaard, Viggo	Technical University of Denma	dnk	1895	14364	46	4.3542	9.94%	1670	15950	54	44	Mechanical Engineeri	Materials	Engineering
Walling, Des E.	University of Exeter	gbr	1951	16297	66	4.3497	19.72%	1517	20300	75	49.80718	Environmental Engine	Geography	Engineering
Krishna, Rajamani	University of Amsterdam	nld	2009	22501	79	4.3446	20.49%	1427	28298	87	52.93933	Chemical Engineering	Chemical Physics	Engineering
Boyd, Stephen	Stanford University	usa	2036	38538	78	4.3426	3.27%	2456	39839	79	42.94405	Industrial Engineering	Operations Research	Engineering
Sarkis, Joseph	Worcester Polytechnic Institut	usa	2043	19500	72	4.3422	9.18%	2061	21471	77	44.3	Operations Research	Business & Managem	Engineering
Johnson, K. L.	University of Cambridge	gbr	2123	14457	45	4.3346	1.31%	2488	14649	48	29	Mechanical Engineeri	Applied Physics	Engineering
Lewis, Frank L.	University of Texas at Arlingto	usa	2190	23499	77	4.3275	10.06%	2295	26127	79	48.2	Industrial Engineering	Artificial Intelligence	Engineering