

## One-Third of SUTD'S Faculty Ranked Top 2% of World's Best Scientists

S/N	Faculty	Pillar/ Cluster/ Others	Subject Field	Total in Field	Career-long Impact <i>*Blank Data as not within top 2% for career</i>				Single-year (2022) Impact				Faculty Research Area
					All Citations		Without Self-citations		All Citations		Without Self-citations		
					Rank in Field	Top% Rank in Field	Rank in Field	Top% Rank in Field	Rank in Field	Top% Rank in Field	Rank in Field	Top% Rank in Field	
1	Ai, Ye	EPD	Analytical Chemistry	115,145	-	-	-	-	821	0.7%	797	0.7%	Microfluidic bioanalytical technology for diagnostics and therapy
2	Ang, Yee Sin	SMT	Applied Physics	295,432	-	-	-	-	3,301	1.1%	4,193	1.4%	Physics and computational design of 2D semiconductor electronics
3	Cheong, Kang Hao	SMT	Fluids & Plasmas	50,409	-	-	-	-	631	1.3%	928	1.8%	Includes complex systems, evolutionary game theory, nonlinear dynamics in complex networks and AI/ML in medical and healthcare.
4	Chong, Tow Chong	EPD	Applied Physics	295,432	5,530	1.9%	5,150	1.7%	5,943	2.0%	5,008	1.7%	Pioneered research in strained-layer GaAs-on-Si optoelectronics devices as well as superlattice phase change Memory and artificial cognitive memory.
5	Chua, Chee Kai	EPD	Industrial Engineering & Automation	106,863	128	0.1%	139	0.1%	73	0.1%	70	0.1%	3D Printing or Additive Manufacturing
6	Duan, Lingjie	ESD	Networking & Telecommunications	197,500	3,431	1.7%	3,272	1.7%	1,969	1.0%	1,990	1.0%	Network Economics and Optimization
7	Lim, Kwan Hui	ISTD	Artificial Intelligence & Image Processing	356,955	-	-	-	-	4,746	1.3%	4,676	1.3%	AI and Data Science for Social and Urban Computing
8	Liu, Jun	ISTD	Artificial Intelligence & Image Processing	356,955	-	-	-	-	1,351	0.4%	1,224	0.3%	Computer vision and video analytics
9	Liu, Xiaogang	SMT	Organic Chemistry	161,671	-	-	-	-	1,256	0.8%	1,263	0.8%	Molecular engineering of fluorophores and probes; computation-aided molecular designs
10	Lu, Wei	ISTD	Artificial Intelligence & Image Processing	356,955	-	-	-	-	2,504	0.7%	2,255	0.6%	Natural language processing
11	Luo, Jianxi	EPD	Design Practice & Management	10,524	209	2.0%	241	2.3%	38	0.4%	51	0.5%	Engineering Design Innovation
12	Mathur, Aditya P.	iTrust	Software Engineering	22,073	330	1.5%	325	1.5%	127	0.6%	130	0.6%	Design of secure and safe critical infrastructure
13	Phoon, Kok Kwang	ASD	Geological & Geomatics Engineering	63,191	56	0.09%	76	0.12%	28	0.04%	42	0.1%	Underground digital twin, risk and reliability of geo-structures
14	Poria, Soujanya	ISTD	Artificial Intelligence & Image Processing	356,955	3,125	0.9%	2,856	0.8%	470	0.1%	441	0.1%	Focus on commonsense-based AI models, empathetic and affective-aware dialogue systems, and multimodal deep learning.
15	Quek, Tony Q.S.	ISTD	Networking & Telecommunications	197,500	1,289	0.7%	1,340	0.7%	638	0.3%	620	0.3%	Current topics include wireless communications and networking, network intelligence, big data processing, internet-of-things, URLLC, and wireless security
16	Raghavan, Nagarajan	EPD	Applied Physics	295,432	-	-	-	-	4,736	1.6%	5,177	1.8%	Ultra-Thin Dielectric Breakdown; Design for Reliability; Prognostics and Health Management
17	Ricky, Ang	SMT	Applied Physics	295,432	-	-	-	-	1,601	0.5%	1,625	0.6%	Interface and device physics
18	Tan, Dawn T.H.	EPD	Optoelectronics & Photonics	123,678	1,318	1.1%	1,727	1.4%	668	0.5%	798	0.6%	The study of ultrafast optical phenomena and nonlinear integrated photonics
19	Wu, Lin	SMT	Optics	64,789	-	-	-	-	707	1.1%	640	1.0%	Theory and modeling in nanophotonics, nanoplasmonics, and nanoscale optoelectronics
20	Wu, Ping	EPD	Applied Physics	295,432	-	-	-	-	6,964	2.4%	5,742	1.9%	Materials Chemistry Modelling, Water Wetting, Solar Cells, and Gas Sensors
21	Xiong, Zehui	ISTD	Networking & Telecommunications	197,500	-	-	-	-	362	0.2%	335	0.2%	Resource allocation and orchestration for edge computing and Internet of Things
22	Yang, Hui Ying	EPD	Nanoscience & Nanotechnology	117,692	1,201	1.0%	1,171	1.0%	854	0.7%	817	0.7%	Nanomaterials for Energy and Water applications
23	Yang, Joel K.W.	EPD	Nanoscience & Nanotechnology	117,692	2,225	1.9%	2,368	2.0%	2,828	2.4%	3,111	2.6%	Nanophotonics, Plasmonics and Nanolithography
24	Yang, Shengyuan A.	SMT	Applied Physics	295,432	2,339	0.8%	2,557	0.9%	285	0.1%	303	0.1%	Condensed matter physics
25	Yeo, Kiat Seng	EPD	Electrical & Electronic Engineering	111,935	722	0.6%	811	0.7%	1,116	1.0%	1,082	1.0%	Low-power integrated circuit design; RF/mm-wave
26	Yuen, Chau	EPD	Networking & Telecommunications	197,500	1,205	0.6%	1,164	0.6%	417	0.2%	389	0.2%	Wireless Communications, Internet-of-Things, Smart Grid.
27	Zhou, Jianying	ISTD	Artificial Intelligence & Image Processing	356,955	1,796	0.5%	1,809	0.5%	6,745	1.9%	6,319	1.8%	Cyber security