

Andrew Gehret	Barto		1
Andrea	Ablasser		1
Lutz	Ackermann	Germany	2
Leonard Max	Adleman		1
Albert Juan	Aguayo		1
Yakir	Aharonov	Israel	2
Alfred Vaino	Aho	Canada	1
Takuzo	Aida	Japan	4
Joanna	Aizenberg		1
Huda	Akil		1
Igor	Alabugin		1
Bruce Michael	Alberts		1
Armand Paul	Alivisatos	USA	2
Noga	Alon		2
Stephen	Altschul		1
Arturo	Alvarez-Buylla		1
Angelika	Amon		1
Harry	Anderson		1
Marc Lowell	Andreessen		2
Martin	Andrew Green		1
Markus	Antonietti		2
Anthony J.	Arduengo	USA	4
Clay	Armstrong		1
Spyros	Artavanis-Tsakonas		2
Frances	Ashcroft		1
Knut	Asmis		1
Matthew	Bailes		1
Shankar	Balasubramanian	UK	8
Ernst	Bamberg		1
Susan	Band Horwitz		1
Kenn	Bantugon		1
Zhenan	Bao	USA	10
Albert-László	Barabási	USA	1
Gilda A.	Barabino		1
Phil	Baran		3
Glen	Barber		2
Christopher	Barner-Kowollik		1
Rodolphe	Barrangou		1
Rodney	Bartlett		1
Andrew	Barto		1
Jacqueline K.	Barton	USA	5
Bonnie L.	Bassler	USA	6
David	Baulcombe		1
Wolfgang P.	Baumeister	Germany	2

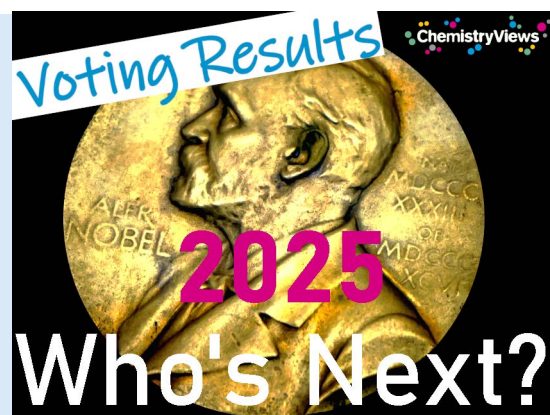


Adriaan	Bax		1
John	Bayley		1
Axel	Becke		1
Jocelyn	Bell Burnell		1
Matthias	Beller	Germany	1
Alim Louis	Benabid		1
Yoshua	Bengio	Canada	18
Stephen	Benkovic		1
Charles Henry	Bennett		6
Charles Leonard	Bennett		1
Charles	Bennett		1
John E.	Bercaw		1
Robert George	Bergman		4
Timothy John	Berners-Lee	UK	19
Andrei	Bernevig		1
Michael Victor	Berry		4
Carolyn R.	Bertozzi		2
Guy	Bertrand	USA	8
Donald	Bethune		1
Adrian P.	Bird	UK	5
Mina	Bissell		1
Rafi	Bistritzer	Israel	6
Dr.	Biswas		1
Pamela J.	Bjorkman	USA	3
Andrew	Blakers		1
Rainer	Blatt		1
Immanuel	Bloch		2
Jeffrey A.	Bluestone		1
Olga	Botner		2
Edward	Boyden	USA	7
Clifford P.	Brangwynne		4
Daniel	Branton		1
Gilles	Brassard	Canada	6
Edouard	Brezin		1
Ralph L.	Brinster		1
Samuel	Broder		1
Inge	Broer		1
Maurice S.	Brookhart		2
Rodney Allen	Brooks	USA	2
Patrick	Brown		1
Stephen L.	Buchwald	USA	3
Alessandra	Buonanno		1
Jocelyn	Burnell		1
Curtis	Callan		1



2022 Nobel Prize in Chemistry

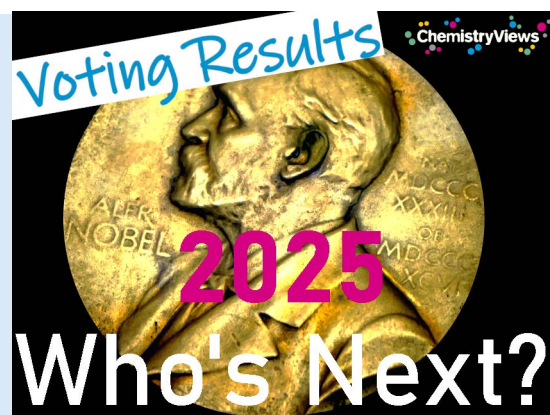
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Leigh Trevor	Canham		1
Lewis Clayton	Cantley		6
Federico	Capasso		3
Roberto	Car	USA	6
John Lawrence	Cardy		1
Liran	Carmel		1
Thomas L.	Carroll		1
Marvin H.	Caruthers	USA	3
Horacio	Casini		1
Edwin	Catmull		1
Carlton Morris	Caves		1
Howard C.	Cedar		4
Vinton Gray (Vint)	Cerf	USA	11
Pierre	Chambon	France	3
Yuan	Chang	USA	1
Sukbok	Chang	South Korea	6
Jean-Pierre	Changeux		2
Chi-Ming	Che		1
Zhijian "James"	Chen	USA	8
Sang-Wook	Cheong		2
Kwang-Hyun	Cho		1
Gloria	Choi		1
Kyoung-Shin	Choi		1
Noam	Chomsky		1
Karl Otto	Christe		3
He	Chuan		2
George M.	Church		2
Juan Ignacio	Cirac Sasturain		1
David Dana	Clark		2
Don W.	Cleveland		1
Johannes Carolus	Clevers		1
Robert L.	Coffman		1
Jonathan C.	Cohen		2
Marvin Lou	Cohen	USA	2
Philip	Cohen		1
Francis	Collins		3
James J.	Collins		2
Rory	Collins		1
Stephen Arthur	Cook		1
Martin	Cooper		2
Max D.	Cooper		4
Paul Bruce	Corkum		4
Avelino	Corma	Spain	4



Pascale	Cossart		1
Gerald R.	Crabtree	USA	3
Patrick	Cramer		1
Benjamin Franklin	Cravatt	USA	2
Craig M.	Crews	USA	6
David	Crich	USA	2
Stanley	Crooke		1
Pieter Rutter	Cullis		2
Hongjie	Dai		1
William James	Dally	USA	2
Antonio	Damasio		1
Thibault	Damour	France	2
Samuel J.	Danishefsky	USA	2
James E.	Darnell		1
Ingrid	Daubechies		1
Mark M.	Davis		1
Titia	de Lange	USA	2
David W.	Deamer		1
Karl	Deisseroth	USA	13
Winfried	Denk	Germany	2
Raymond	Deshais		2
Emmanuel B.	Desurvire		1
David E.	Deutsch		7
John E.	Dick		2
John Francis	Diffley		1
Ivan	Dikic		1
Charles	Dinarello		1
Ewine	Dishoeck		3
David	DiVincenzo		1
Sheperd S.	Doeleman		3
Jack	Dongarra		1
Daniel Joshua	Drucker		6
Brian Jay	Druker		2
Carlos Manuel	Duarte		2
Catherine	Dulac		1
Russell Dean	Dupuis		1
Raymond Allen	Dwek		4
Thomas W.	Ebbesen		1
James	Eberwine		3
Bradley	Efron		1
James P.	Eisenstein		1
Artur Konrad	Ekert		1
Stephen Joseph	Elledge		1
Reginald John	Ellis		3



Michael	Elowitz		2
Scott David	Emr	USA	3
Tilman	Esslinger		1
Ronald Mark	Evans	USA	6
Sandra Moore	Faber		1
Federico	Faggin		1
Omar K.	Farha	USA	40
Graham Douglas	Farquhar		1
Anthony Stephen	Fauci		1
Marc	Feldmann		2
Claudia	Felser		2
Napoleone	Ferrara		2
Sergio	Ferrara		1
Christopher B.	Field		1
Alain	Fischer	France	1
Harold	Fisher Dvorak		1
Jeffrey	Flier		1
Joanna	Fowler		1
Jean M. J.	Fréchet	USA	6
Gordon J.	Freeman		1
Carlos Silvestre	Frenk		1
Jeffrey M.	Friedman		4
Theodore	Friedmann		1
Richard	Friend		1
Hugo	Fruehauf		1
Elaine Viola	Fuchs		2
Makoto	Fujita		3
Stephen Byram	Furber		1
Fred Harrison	Gage		1
Robert G.	Gallager		1
Robert Charles	Gallo		2
Neil	Garg	USA	1
Margaret J.	Geller		1
Christoph	Gerber		2
Fabiola	Gianotti		1
Gary William	Gibbons		1
Bernd	Giese		2
Kirti	Giri		1
Nicolas	Gisin		1
Lutz	Gissmann		1
John B.	Glen		2
Frank	Glorious	Germany	2
Sharon C.	Glotzer		1
Yury	Gogotsi	USA	1



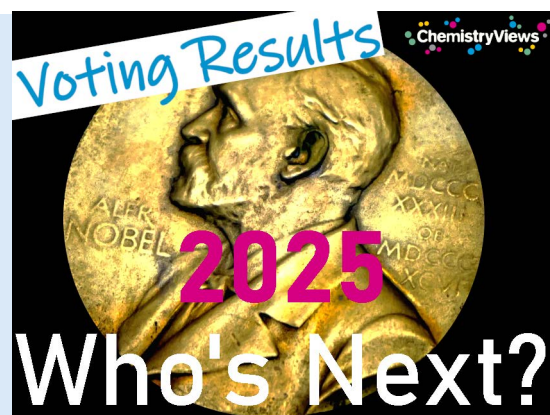
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Jane Morris	Goodall		1
Corey Scott	Goodman		1
Fredrick	Goor		1
Jeffrey Ivan	Gordon		7
Dirk	Görlich	Germany	4
R.	Graham Cooks		1
Barbara Rosemary	Grant		1
Peter Raymond	Grant		1
Michael	Grätzel	Switzerland	16
Harry B.	Gray	USA	5
Nathanael	Gray		1
Ann M.	Graybiel		1
Celso	Grebogi		1
Martin A.	Green		6
Michael Boris	Green		2
Everett Peter	Greenberg		3
Iva	Greenwald		2
Markus	Greiner		1
Stefan	Grimme		1
Leo	Gross		1
James Edward	Gunn		1
Alan Harvey	Guth		1
Taekjip	Ha	USA	3
Joel Francis	Habener		5
Robert	Haddon		1
Sabine	Hadida		1
Maximilian	Haider		3
Naomi J.	Halas		1
Michael Nip	Hall	Switzerland	5
Barry	Halliwell	Singapore/UK	2
Francis Louis	Halzen		3
Paula T.	Hammond		1
Te-Sun	Han		1
Patrick M.	Hanrahan		1
Göran K.	Hansson	Sweden	1
David	Hardie		1
John	Hardy		1
Stephen E.	Harris		1
Franz-Ulrich	Hartl	Germany	8
John F.	Hartwig	USA	5
Jeffrey A.	Harvey		1
Andrew	Hattersley		1
Lene Vestergaard	Hau		3



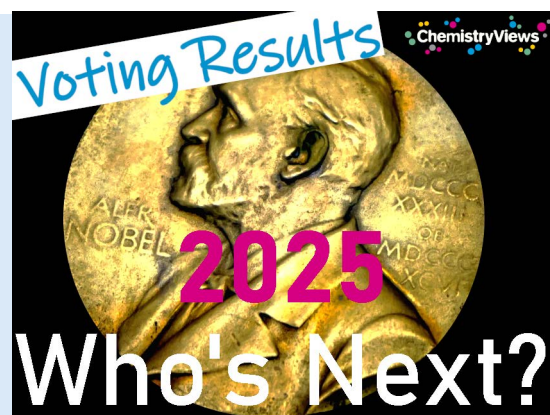
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Arthur	Hebard		1
Marin	Heel		1
Peter	Hegemann	Germany	6
Mordehai	Heiblum		1
Tony F.	Heinz	UK	1
Wayne	Hendrickson	USA	1
John Leroy	Hennessy		1
Hugh	Herr		1
Bertil	Hille		1
Jack	Hirsh		1
Charles Antony	Hoare		1
Helen Haskell	Hobbs		3
Ingeborg	Hochmair		2
Marcian Edward	Hoff Jr.		1
Jens Juul	Holst		3
Jeff	Holt		1
Leroy Edward	Hood		3
John Edward	Hopcroft		2
Mazharul	Hoque		1
Gary T.	Horowitz		1
Philippe	Horvath		1
Arthur L.	Horwich	USA	5
Brian John	Hoskins		1
Kendall N.	Houk		1
Chenming Calvin	Hu		1
Jen-Hsun	Huang		1
Marina	Huerta		1
Michael W.	Hunkapiller	USA	3
Anthony Rex	Hunter	USA	2
Graham John	Hutchings	UK	1
Gero	Hütter	Germany	1
Harold	Hwang		1
Taeghwan	Hyeon	South Korea	14
Anthony	Hyman		9
Richard O.	Hynes		2
Jisoon	Ihm		2
Sang	Il Seok		1
Eric Niels	Jacobsen		1
Rudolf	Jaenisch		1
Jainendra K.	Jain		1
Yuh Nung	Jan		1
Lily	Jan		1
Pablo	Jarillo-Herrero	USA	6



Alec John	Jeffreys		2
Samson	Jenehke		1
Pan	Jianwei		1
Kim	Jihn-eui		1
Sajeev	John		1
Michael Irwin	Jordan		1
William L.	Jorgensen	USA	1
Paul	Joseph Steinhardt		1
Richard	Jozsa		2
Carl Howard	June		5
Michael E.	Jung	USA	2
Bong-kiun	Kaang		1
Henri	Kagan		5
Robert E.	Kahn	USA	8
C. Ronald	Kahn		1
Thomas	Kailath		1
Walter	Kaminsky	Germany	1 1941–2024
Yuet Wai	Kan	USA	2
Mercouri	Kanatzidis		1
Charles Lewis	Kane		4
John	Kappler		1
Richard Manning	Karp		3
John	Kasianowicz		1
Victoria	Kaspi		1
Kazunori	Kataoka	Japan	1
Alan Curtis	Kay		3
Lewis E.	Kay		1
Joshua	Kehinde		1
Jeffery W.	Kelly		2
Rolf	Kemler		1
Steve	Kent		1
Roy Patrick	Kerr	New Zealand	2
Philip	Kim	Canada	2
V. Narry	Kim	South Korea	3
Young-Kee	Kim	USA	1
Peter S.	Kim		2
Eunjoon	Kim		1
Ho-Min	Kim		1
Judith	Kimble		1
Kim	Kimoon		1
Mary-Claire	King	USA	9
Marc Wallace	Kirschner	USA	1
Robert	Kirshner		1
Susumu	Kitagawa	Japan	3



Igor	Klebanov		1
Leonard	Kleinrock		1
David	Klenerman	UK	10
Rob D.	Knight		3
Lotte Bjerre	Knudsen		2
Donald Ervin	Knuth		3
Gou Young	Koh		1
Bern	Kohler		1
Ryszard	Kole		1
Chryssa	Kouveliotou		1
Adrian R.	Krainer	USA	2
Charles T.	Kresge		4
David E.	Kuhl		1
R. K. Sunil	Kumar		1
Anil	Kumar Jain		1
Louis Martens	Kunkel		2
Meir	Lahav	Israel	5
Leslie B.	Lamport		2
Eric Steven	Lander	USA	3
Kenneth	Lane Thompson		1
Robert S.	Langer	USA	14
Robert Samuel	Langer, Jr.		1
Cato Thomas	Laurencin		4
Mitchell	Lazar		1
Yann André	LeCun	USA	18
Virginia Man-Yee	Lee	USA	2
Charles	Lee		1
Luke Pyungse	Lee		1
Patrick A.	Lee		1
Changjoon	Lee		1
Se-Jin	Lee		1
Jean-Marie	Lehn	France	1
Stanislas	Leibler	USA	2
David A.	Leigh	UK	1
Leslie	Leiserowitz	Israel	5
Simon Asher	Levin		1
Steven V.	Ley	UK	3
Fei-Fei	Li		3
Elliott Hershel	Lieb		1
Charles Michael	Lieber		2
Richard	Lifton		1
Andrei Dmitriyevich	Linde		1
Victor	Ling	Canada	1
David J.	Lipman		3



Stephen James	Lippard	USA	3
Jennifer	Lippincott-Schwartz		1
Benjamin	List		1
Reginald B.	Little	USA	1
Zhipeng	Liu	China	1
David R.	Liu		2
Dennis	Lo		3
Dennis	Lo Yuk-ming		4
Duncan	Lorimer		1
Richard	Losick		1
Daniel	Loss		1
Douglas R.	Lowy		1
Nicholas R.	Lydon		2
Allan Hugh	MacDonald	USA	6
David W. C.	MacMillan	USA	6
Luciano	Maiani		1
Ravinder Nath	Maini		1
Stéphane Georges	Mallat		1
Andreas	Manz		1
M.	Maple		1
Lynne Elizabeth	Maquat		2
Tobin Jay	Marks	USA	5
Philippa	Marrack		1
John	Martin		1
Joan	Massagué		2
Hedi	Mattoussi		1
Krzysztof	Matyjaszewski	USA	11
Pascal	Mayer	France	5
James	Mayer	USA	1
Stanley	Mazor		1
Steven	McKnight	USA	3
Maura	McLaughlin		1
Jason S.	McLellan		1
Carver	Mead		1
Ruslan	Medzhitov	USA	2
Bert	Meijer	Netherlands	3
Eugene John	Mele	USA	3
Robert Melancton	Metcalfe		9
Yves	Meyer		1
Silvio	Micali		1
Gero Andreas	Miesenböck	Australia	5
Emmanuel	Mignot		2
Jacques	Miller		6
Brenda	Milner		1



2021 Nobel Prize in Chemistry

David	Milstein	Israel	1
Chad Alexander	Mirkin		2
Tsutomu	Miyasaka		1
Graeme Moad	Moad		3
Francisco	Mojica		4
Svetlana	Mojsov	USA	3
Laurens W.	Molenkamp		1
Gregory W.	Moore		1
Patrick S.	Moore		1
Timothy R.	Mosmann		1
Tom William	Muir		1
Viatcheslav	Mukhanov	Germany	2
Klaus	Müllen	Germany	2
Christopher Bruce	Murray	USA	7
Georg	Nagel	Germany	3
Hong Gil	Nam		1
Park	Nam-Gyu		1
Frank	Narjes	UK	2
Kim Ashley	Nasmyth		1
Julio F.	Navarro		1
Frank	Neese	Germany	1
Paul	Negulescu		2
Nathan	Nelson		2
André	Neveu	Canada	2
George	Newkome		1
Mark	Newman		1
Kyriacos Costa	Nicolaou		1
Jean-François	Nierengarten	France	1
Eva	Nogales		1
Harry F.	Noller		2
Staffan	Normark		1
Jens Kehlet	Nørskov	Denmark	5
Roel	Nusse	USA	2
Artem	Oganov		1
Michael	O'Keeffe		2
Maynard Victor	Olson		1
Eric	Olson		1
Bert W.	O'Malley		1
Stephen	O'Rahilly		1
Patrick	O'Reilly Brown		1
Stuart Holland	Orkin		3
Michel	Orrit		2
Edward	Ott		1
Norman	Pace		1



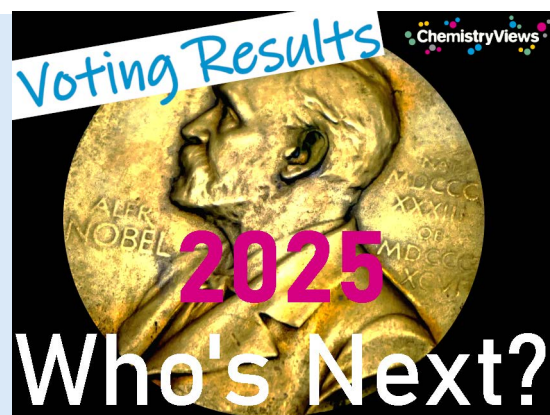
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Christos	Papadimitriou		1
Nam-Gyu	Park	South Korea	11
Hongkun	Park		1
Sang-Eon	Park		1
Roy	Parker		1
Stuart	Parkin		1
Bradford	Parkinson		1
Michele	Parrinello	Switzerland	8
David Andrew	Patterson		2
David Neil	Payne		2
Judea	Pearl		3
Louis M.	Pecora		1
John Brian	Pendry		3
John P.	Perdew		2
Christine	Petit		1
Richard	Peto		2
Michael	Phelps		1
Thomas D.	Pollard		1
Louis	Pouzin		2
Maurizio	Prato	Italy	1
Frans	Pretorius		1
Mark Steven	Ptashne		2
Jean-Loup	Puget		1
Stephen Ronald	Quake		1
Helen R.	Quinn		1
Ramamoorthy	Ramesh		2
Arthur	Ramirez		1
Pierre	Ramond		1
Lisa	Randall		1
C. N. R.	Rao	India	2
Rino	Rappuoli		2
John	Rarity		1
Jeffrey V.	Ravetch		2
Nicholas	Read		1
Martin	Rees		4
Manfred	Reetz	Germany	1
Aviv	Regev		2
David	Reich		1
Paul	Reider		1
Sue-Goo	Rhee		1
Mannque	Rho		1
John R.	Riordan		1



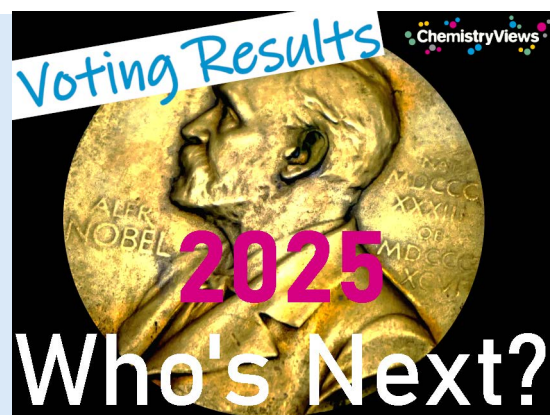
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Carol Vivien	Robinson		1
Richard	Robson		1
Robert G.	Roeder	USA	3
Herbert W.	Roesky	Germany	201
Harald	Rose		3
Michael	Rosen		7
Steven A.	Rosenberg		2
Botond	Roska		4
Bruce	Roth		1
Paul W. K.	Rothmund	USA	2
Alexander Y.	Rudensky	USA	2
Rodney S.	Ruoff		1
Erkki	Ruolahti	USA	3
Ryong	Ryoo	South Korea	11
David M.	Sabatini		1
Subir	Sachdev		1
Michel	Sadelain		3
Dr.	Sadhu		1
Jose-Alain	Sahel		4
Alberto	Sangiovanni-Vincentelli		1
Clifford B.	Saper		2
Ignacio	Sasturain		1
Juan	Sasturain		4
Mitsuo	Sawamoto		1
Charles L.	Sawyers		2
Henry F.	Schaefer, III		1
Stephen Wayne	Scherer		1
John T.	Schiller		1
Joseph	Schlessinger		2
Raymond	Schofield		1
Bernhard	Schölkopf	Germany	1
Stuart L.	Schreiber	USA	8
Peter R.	Schreiner	Germany	2
Peter G.	Schultz	USA	3
Wolfram	Schultz	UK	1
Gary Benjamin	Schuster		2
Richard	Schwartz		1
Helmut	Schwarz	Germany	10
John Henry	Schwarz	USA	1
Peter H.	Seeberger	Germany	3
Ashoke	Sen		1
Sebastian	Seung		1



Adi	Shamir	Israel	1
Feng	Shao		1
Lucy	Shapiro		2
Arlene Helen	Sharpe		1
Noam	Shazeer		2
Michael P.	Sheetz		4
Jian-Ren	Shen		2
Stephen	Shenker		1
H. Michael	Shepard		2
Ethan M.	Shevach	USA	2
Masakatsu	Shibasaki		1
Mikhail	Shifman		1
Dongkwan	Shin		1
Hee-Sup	Shin		1
Kang G.	Shin		1
Eui-Cheol	Shin		1
Kevan Michael	Shokat	USA	1
Peter Williston	Shor	USA	5
Michael Seth	Silverman		1
Barry Martin	Simon	USA	2
Patrice	Simon		1
Dennis Joseph	Slamon		2
David	Smith		1
Henry J.	Snaith		3
Solomon Halbert	Snyder		1
Susan	Solomon		1
Davor	Solter		4
Nahum	Sonenberg		2
Pill-Soon	Song		1
Rotem	Sorek		1
Edwin	Southern		2
Nicola	Spaldin		1
Anthony L.	Spek		1
David Nathaniel	Spergel		1
Bruce	Spiegelman		1
Allan	Spradling		1
Timothy A.	Springer	USA	5
James	Spudich		3
Joan Argetsinger	Steitz		3
Douglas W.	Stephan		2
Corey	Stephenson	Canada	2
Bruce William	Stillman		1
Michael	Stonebraker		1
James H.	Strickler		2



Jack Leonard	Strominger		2
Bjarne	Stroustrup		1
Gary	Struhl		1
JoAnne	Stubbe		2
Galen D.	Stucky	USA	6
Samuel	Stupp		1
Nam-Pyo	Suh		1
Wesley I.	Sundquist	USA	3
Raman	Sundrum		1
Kim	Sung-Hou		1
Tuomo	Suntola		1
Rashid	Sunyaev		2
Azim	Surani	UK	4
Leonard	Susskind		1
Ivan Edward	Sutherland		3
Ilya	Sutskever		1
Richard Stuart	Sutton		2
Ben Zhong	Tang	China	3
Ching W.	Tang		1
Steven Dale	Tanksley		1
Jean-Marie	Tarascon		6
Saul	Teukolsky		1
San H.	Thang	Australia	3
Craig B.	Thompson		1
Mark E.	Thompson		1
James	Thomson		1
Robert Tse Nan	Tjian	USA	1
Donald A.	Tomalia		5
Vladimir P.	Torchilin	USA	2
Linus Benedict	Torvalds		2
James M.	Tour		1
Alain	Townsend	UK	1
Jaw-Shen	Tsai		1
Lap-Chee	Tsui		1
John	Tully		1
Thomas	Tuschl		1
Jeffrey David	Ullman		1
Axel	Ullrich	Germany	4
Knut	Urban		3
Vladimir N.	Uversky	USA	1
Joseph	Vacanti		2
Arkady	Vainshtein		1
Ronald	Vale	USA	4
Leslie Gabriel	Valiant		1



Guido	van Rossum		1
Steven	Van Slyke		1
Vladimir	Vapnik	USA	1
Alexander	Varshavsky		1
Ashish	Vaswani		3
J. Craig	Venter		3
Andrew J.	Viterbi		2
Peter Morrison	Vitousek	USA	1
Bert	Vogelstein	USA	3
Tak	Wah Mak		1
Robert Manuel	Wald		1
Douglas	Wallace		1
John Michael	Wallace		1
Peter	Walter	USA	4
Aihua	Wang	USA	1
Xiaodong	Wang	China	2
Zhong Lin	Wang	USA	1
Jerry Hsueh-Ching	Wang		1
John	Warner		1
Michael Spencer	Waterman		1
Robert Hugh	Waterston		1
Robert Allan	Weinberg		1
Samuel	Weiss		1
Jean	Weissenbach		1
Michael J.	Welsh		2
Simon	White		1
George M.	Whitesides	USA	7
Bailey	Whitfield Diffie		1
Avi	Wigderson		1
Andrew John	Wiles		1
John	Wilkes		1
Carlton Grant	Willson		2
Blake S.	Wilson		1
Sophie Mary	Wilson		1
Edward	Witten		3
Peter	Wolynes		4
Chi-Huey	Wong	USA	92
Karen L.	Wooley		2
William Kent	Wootters	USA	1
Ronald G.	Worton		1
Li-Zhu	Wu		1
Eli	Yablonovitch	USA	3
Omar	Yaghi	USA	35
Peidong	Yang		2



Andrew Chi-Chih	Yao	China	3
Robert	Yarchoan		1
R.	Yashwanth		1
Jun	Ye		1
James Alan	Yorke		1
Jin-Quan	Yu	USA	4
Dennis	Yuk-ming Lo		1
Alexei	Yurievich Kitaev		1
Alexander	Zamolodchikov		1
Cho	Zang-hee		2
Samir	Zard		1
Richard N.	Zare	USA	4
Rudolf	Zechner		1
Alex	Zettl		1
Feng	Zhang		4
Tao	Zhang		12
Jianhua	Zhao		1
Xiaowei	Zhuang	USA	2
Huda Yahya	Zoghbi		3
Peter	Zoller	Austria	8
George	Zweig	USA	1

