

JAMES M. TOUR

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Title of Lecture: "A Soft Materials Overview, from Graphene to Nanomachines"

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Education:

1986	Ph.D. Organic Chemistry, Purdue University
1981	BS Chemistry, Syracuse University

Research and Professional Experience

<u>School or Company</u>	<u>Position</u>	<u>Dates</u>	<u>Type of Work</u>
Univ. of Wisconsin	Postdoctoral Fellow	1986-1987	Organometallic Chemistry
Stanford University	Postdoctoral Fellow	1987-1988	Organic Chemistry
Univ. of South Carolina	Guy F. Lipscomb Professor	1988-1999	Chem. & Biochemistry
Rice University	T.T. and W.F. Chao Professor	1999-present	Chem. & Materials Science

Research Interests

General: green carbon research, graphene, organic chemistry, nanomedicine, nanotechnology, materials science, polymer chemistry, K-12 educational outreach.

Awards and Honors

2005 American Chemical Society, Southern Chemist of the Year
2005 American Chemical Society's #1 Most Accessed Journal Article, "Directional Control in Thermally Driven Single-Molecule Nanocars"
2006 Alan Berman Research Publication Award, Department of the Navy
2006 *Nanotech Briefs* Nano 50 Innovator Award
2006 *Small Times* Magazine's Innovator of the Year Award
2007 George R. Brown Award for Superior Teaching, Rice University
2007 Arthur C. Cope Scholar Award from the American Chemical Society
2008 NASA Space Act Award
2008 Feynman Prize in Nanotechnology
2009 Houston Technology Center's Nanotechnology Achievement Award
2009 Distinguished Alumni Award, Purdue University
2009 Fellow of the American Association for the Advancement of Science (AAAS),
2009 Ranked one of the Top 10 chemists in the world over the past decade (citations per publication), by Thomson Reuters
2012 Won the *ACS Nano* Lectureship Award from the American Chemical Society,
2012 George R. Brown Award for Superior Teaching, Rice University
2013 Named "Scientist of the Year" by *R&D Magazine*
2014 Recipient of the Trotter Prize in "Information, Complexity and Inference"
2014 Listed in "The World's Most Influential Scientific Minds" by Thomson Reuters ScienceWatch.com
2014 Named one of TheBestSchools.org "The 50 Most Influential Scientists in the World Today"
2014 Lady Davis Visiting Professor, Hebrew University