

David Mosley



Research Scientist at Dow Electronic Materials

Nanotechnology

<http://www.directoryinventor.com/profile/view/Kjr3QyCY>

Experience

Research Scientist

Dow Electronic Materials

10,001+ employees; Public Company; Chemicals
May 2009 - Present

Creation of new technologies for the electronics industry; CIGS inks, CMP slurries

Lead Chemist

Dow Chemical

Nanotechnology
2009 - 2012

Senior Scientist

Rohm and Haas / England

Public Company; Chemicals
November 2005 - April 2009

Emerging Technologies, Electronics Materials

Senior Scientist

Rohm and Haas Electronic Materials

10,001+ employees; Public Company; Semiconductors
2005 - April 2009

Emerging Technologies, development of new encapsulation polymers for LEDs

RA

MIT

10,001+ employees; Educational Institution; Higher Education
2000 - 2005

Process Chemist

Rohm and Haas - Agricultural Chemicals

Chemicals
1997 - 2000

Process development and scale-up activities - new routes, cost analysis, toller interactions, plant coverage

Education

Massachusetts Institute of Technology

Chemistry

2000 - 2005

Research on SAMs, soft lithography, nanoparticle synthesis, 2-D polymer synthesis. Worked with Joe Jacobson at the MIT Media Lab.

Stanford University

Chemistry

1995 - 1997

Total synthesis research with Barry Trost.

Texas A&M University

Chemistry

1991 - 1994

Patents (41)

Phenoxyphenyl polysiloxane composition and method for making and using same

Kathleen A Auld, David M Conner, Garo Khanarian, David Wayne Mosley

January 28, 2014: 08637627

Nanoparticle chains by direct bonding of functional groups and preparation thereof

Joseph M Jacobson, David W Mosley, Kie Moon Sung

October 22, 2013: 08563081

Methods for high fidelity production of long nucleic acid molecules (4 worldwide citation)

Peter A Carr, Brian Y Chow, Joseph M Jacobson, David W Mosley, Christopher Emig

August 13, 2013: 08507226

Templated monolayer polymerization and replication (1 worldwide citation)

Joseph M Jacobson, David W Mosley

June 18, 2013: 08465803

Preparation of nanoparticle chains comprising reacting of functional groups (1 worldwide citation)

Joseph M Jacobson, David W Mosley, Kie Moon Sung

January 22, 2013: 08357424

Methods for High Fidelity Production of Long Nucleic Acid Molecules with Error Control

Peter A Carr, Brian Y Chow, Joseph M Jacobson, David W Mosley, Christopher Emig
January 3, 2013: 20130005612-A1

Templated Monolayer Polymerization and Replication

Joseph M Jacobson, David W Mosley
November 15, 2012: 20120288626-A1

Selenium/group 1b ink and methods of making and using same

Kevin Calzia, David W Mosley, Charles R Szmanda, David L Thorsen
November 13, 2012: 08309179

Methods for High Fidelity Production of Long Nucleic Acid Molecules

Peter A Carr, Brian Y Chow, Joseph M Jacobson, David W Mosley, Christopher Emig
October 18, 2012: 20120264653-A1

Methods for high fidelity production of long nucleic acid molecules with error control (5 worldwide citation)

Peter A Carr, Brian Y Chow, Joseph M Jacobson, David W Mosley, Christopher Emig
September 11, 2012: 08263335

[View all \(41\)](#)