

# Curriculum Vitae

## Daisuke Nagai

### Contact Information

Positions: Associate Professor of Physics & Astronomy, Yale University  
Academic Co-Director, Yale Center for Research Computing  
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### Positions

Academic Co-Director, Yale Center for Research Computing	Yale University	2015-present
Associate Professor of Physics & Astronomy (Tenure)	Yale University	2014-present
Associate Professor of Physics & Astronomy (Term)	Yale University	2012-2014
Assistant Professor of Physics & Astronomy	Yale University	2008-2012
Sherman Fairchild Postdoctoral Scholar	Caltech	2005-2008

### Education

University of Chicago	Astrophysics	Ph.D. 2005
University of Chicago	Astrophysics	M.S. 2001
University of Michigan	Physics & Mathematics	B.S. 1999

### Awards

Cottrell Scholar Award, Research Corporation, 2012  
The IUPAP Young Scientist Prize in Astrophysics, 2011  
Yale Junior Faculty Fellowship, Yale University, 2011  
Sherman Fairchild Postdoctoral Prize Fellowship, Caltech, 2005-2008  
NASA Graduate Student Researchers Program Fellowship, 2002-2005

### Research

My research is broadly focused on understanding the origin, composition, and structure formation of the Universe, specializing in theoretical and computational modeling of galaxy clusters and their application to cosmology.

### Teaching

Physics 678 Computing for Scientific Research, Spring 2014, 2015, 2016, 2017  
Astro/Physics 600 Cosmology, Fall 2016  
Physics 441 Quantum Mechanics & Natural Phenomena II, Fall 2013, 2014, 2015  
Physics 420 Statistical Thermodynamics, Fall 2009, 2010  
Physics/Astro 343 Gravity, Astrophysics, and Cosmology, Spring 2010, 2012  
Physics 205/206 Modern Physical Measurements, Fall 2008  
Research advisor for 7 postdocs, 16 graduate students, 24 undergraduate students

### Publications

Over 100 publications with 6000+ citations with h-index=37 (from NASA ADS)  
Over 130 invited colloquia, seminars, conferences and workshops