

Winners of the Postdoctoral Publication Prize in Experimental Sciences

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2017	Vamshi Chillara	MPA-11	Low Frequency Ultrasonic Bessel-Like Collimated Beam Generation From Radial Modes of Piezoelectric Transducers	<i>Applied Physics Letters (2017)</i>
2015	Yu-Miin Sheu	MPA-CINT	Using Ultrashort Optical Pulses to Couple Ferroelectric and Ferromagnetic Order in an Oxide Heterostructure	<i>Nature Communications (2014)</i>
	Brad Ramshaw	MPA-CMMS	Quasiparticle Mass Enhancement Approaching Optimal Doping in a high- T_c Superconductor	<i>Science (2015)</i>
2013	Hsin-Chih (Tim) Yeh	MPA-CINT	A Silver DNA Nanocluster Probe That Fluoresces Upon Hybridization	<i>Nano Letters (2010)</i>
2011	Andrew Sutton	C-IIAC	Regeneration of Ammonia Borane Spent Fuel by Direct Reaction with Hydrazine and Liquid Ammonia	<i>Science (Sept. 2011)</i>
	Robert Thomsen <i>Honorable Mention</i>	MPA-MC	Uranium Azide Photolysis Results in C-H Bond Activation and Provides Evidence for a Terminal Uranium Nitride	<i>Nature Chemistry (Sept. 2010)</i>
2009	Christopher Graves	MPA-10	Organometallic Uranium(V)-Imido Halide Complexes: From Synthesis to Electronic Structure and Bonding	<i>J. of the Amer. Chem. Soc. (2008)</i>
	Gary Walker <i>Honorable Mention</i>	P-23	Discovery of Localized Regions of Excess 10-TeV Cosmic Rays	<i>Physical Review Letters (2008)</i>
2007	Rajesh Bashyam	MST-11	A Class on Non-precious Metal Composite Catalysts for Fuel Cells	<i>Nature (2006)</i>
	Houtong Chen <i>Honorable Mention</i>	MPA-CINT	Active Terahertz Metamaterial Devices	<i>Nature (2006)</i>
	Trevor Hayton <i>Honorable Mention</i>	MPA-MC	Synthesis of Imido Analogs of the Uranyl Ion	<i>Science (2005)</i>
2005	Richard Schaller	C-PCS	High Efficiency Carrier Multiplication in PbSe Nanocrystals: Implications for Solar Energy Conversion	<i>Physical Review Letters (2004)</i>
	Felicia Taw	C-SIC	Early Transition Metal Perfluoroalkyl	<i>J. of the Amer. Chem. Soc. (2003)</i>
2003	Dana Berkeland	P-21	Linear Paul Trap for Strontium Ions	<i>Rev. of Scientific Instruments (2002)</i>
	Fio Omenetto	P-23	Adaptive Control of Femtosecond Pulse Propagation in Optical Fibers	<i>Optics Letters (2001)</i>
2001	Kathy Prestridge	DX-3	Validation of an Instability Growth Model using Particle Image Velocimetry Measurement	<i>Physical Review Letters (2000)</i>
	Chunlei Guo	MST-10	Ultrafast Dynamics of Electron Thermalization in Gold	<i>Physical Review Letters (2001)</i>
1999	Scott Backhaus	MST-10	A Thermoacoustic-Stirling Heat Engine	<i>Nature (1999)</i>