

Postdoc Publication Prize in Experimental Sciences

Prize Winners

Award Year	Name	Org	Name of Journal Article	Publication	Pub Year
2019	Jessica Kubicek Sutherland	C-PCS	Direct Detection of Bacteremia by Exploiting Host-Pathogen Interactions of Lipoteichoic Acid and Lipopolysaccharide	Nature Scientific Reports	2019
2017	Vamshi Chillara	MPA-11	Low Frequency Ultrasonic Bessel-Like Collimated Beam Generation From Radial Modes of Piezoelectric Transducers	Applied Physics Letters	2017
2015	Yu-Miin Sheu	MPA-CINT	Using Ultrashort Optical Pulses to Couple Ferroelectric and Ferromagnetic Order in an Oxide Heterostructure	Nature Communications	2014
	Brad Ramshaw	MPA-CMMS	Quasiparticle Mass Enhancement Approaching Optimal Doping in a high- T_c Superconductor	Science	2015
2013	Hsin-Chih (Tim) Yeh	MPA-CINT	A Silver DNA Nanocluster Probe That Fluoresces Upon Hybridization	Nano Letters	2010
2011	Andrew Sutton	C-IIAC	Regeneration of Ammonia Borane Spent Fuel by Direct Reaction with Hydrazine and Liquid Ammonia	Science	2011
	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	Nature Chemistry	2010
2009	Christopher Graves	MPA-10	Organometallic Uranium(V)-Imido Halide Complexes: From Synthesis to Electronic Structure and Bonding	Journal of the American Chemical Society	2008
	Gary Walker <i>Honorable Mention</i>	P-23	Discovery of Localized Regions of Excess 10-TeV Cosmic Rays	Physical Review Letters	2008
2007	Rajesh Bashyam	MST-11	A Class on Non-precious Metal Composite Catalysts for Fuel Cells	Nature	2006

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	Houtong Chen <i>Honorable Mention</i>	MPA-CINT	Active Terahertz Metamaterial Devices	Nature	2006
	Trevor Hayton <i>Honorable Mention</i>	MPA-MC	Synthesis of Imido Analogs of the Uranyl Ion	Science	2005
2005	Richard Schaller	C-PCS	High Efficiency Carrier Multiplication in PbSe Nanocrystals: Implications for Solar Energy Conversion	Physical Review Letters	2004
	Felicia Taw	C-SIC	Early Transition Metal Perfluoroalkyl	Journal of the American Chemical Society	2003
2003	Dana Berkeland	P-21	Linear Paul Trap for Strontium Ions	Review of Scientific Instruments	2002
	Fio Omenetto	P-23	Adaptive Control of Femtosecond Pulse Propagation in Optical Fibers	Optics Letters	2001
2001	Kathy Prestridge	DX-3	Validation of an Instability Growth Model using Particle Image Velocimetry Measurement	Physical Review Letters	2000
	Chunlei Guo	MST-10	Ultrafast Dynamics of Electron Thermalization in Gold	Physical Review Letters	2001
1999	Scott Backhaus	MST-10	A Thermoacoustic-Stirling Heat Engine	Nature	1999