

# Curriculum Vitae

## Jeffrey E. McClintock

### **Education**

Massachusetts Institute of Technology, Ph.D. in Physics (February 1969)  
Stanford University, B.S. in Physics (June 1964)

### **Present Employment**

Senior Astrophysicist, Smithsonian Astrophysical Observatory

### **Previous Employment**

1985–1998 Astrophysicist, Smithsonian Astrophysical Observatory  
1969–1985 Research Scientist, Massachusetts Institute of Technology

### **Memberships**

International Astronomical Union  
American Astronomical Society  
High Energy Astrophysics Division of AAS

### **Recent Honors**

Rossi Prize 2010 (shared), awarded by the High Energy Astrophysics Division of the AAS  
Smithsonian Secretary's Research Prize for 2008

### **Principal Service Work**

Member of the Board of Directors of the Giant Magellan Telescope

### **Fields of Investigation**

Multiwavelength observations of X-ray binaries that contain a black-hole primary.  
Measurement of the mass and spin of stellar-mass black holes.

### **Selected Highly-Cited Papers**

*Black Hole Binaries*, J. E. McClintock & R. A. Remillard, in *Compact Stellar X-ray Sources*, eds. W. Lewin & M. van der Klis, Cambridge Univ. Press, p157 (2006). [565]

*Advection-dominated Accretion and the Spectral States of Black Hole X-Ray Binaries: Application to Nova Muscae 1991*, A. A. Esin, J. E. McClintock & R. Narayan, ApJ, 489, 865 (1997). [538]

*X-ray Properties of Black Hole Binaries*, R. A. Remillard & J. E. McClintock, ARAA, 44, 49 (2006). [395]

*The Optical Counterparts of Compact Galactic X-ray Sources*, H. V. D. Bradt & J. E. McClintock, ARAA, 21, 13 (1983). [341]

*The Black Hole Binary A0620–00*, J. E. McClintock & R. A. Remillard, ApJ, 308, 110 (1986). [279]

*A New Model for Black Hole Soft X-Ray Transients in Quiescence*, R. Narayan, J. E. McClintock & Y. Insu, ApJ, 457, 821 (1996). [239]

*The Spin of the Near-Extreme Kerr Black Hole GRS 1915+105*, J. E. McClintock, R. Shafee, R. Narayan, R. A. Remillard, S. W. Davis & L.-X. Li, ApJ, 652, 518 (2006). [157]