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Education Information

Undergraduate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Physics, Turkey 1992 - 1996

Research Areas

Astronomy and Astrophysics, Mathematical Methods in Physics

Advising Theses

Gürkan M. A. , Semi-analytical calculations of the secular evolution of 4-body systems, Postgraduate, F.KIROĞLU(Student), 2019

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Fractal geometry of angular momentum evolution in near-Keplerian systems**
GÜRKAN M. A.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.411, no.1, 2011 (Journal Indexed in SCI)
- II. **Resonant relaxation near a massive black hole: the dependence on eccentricity**
Guerkan M. A. , Hopman C.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.379, no.3, pp.1083-1088, 2007 (Journal Indexed in SCI)
- III. **The present day mass function in the central region of the Arches cluster**
Portegies Zwart S., Gaburov E., Chen H., GÜRKAN M. A.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.378, no.1, 2007 (Journal Indexed in SCI)
- IV. **Runaway collisions in young star clusters - II. Numerical results**
Freitag M., GÜRKAN M. A. , Rasio F.
MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY, vol.368, no.1, pp.141-161, 2006 (Journal Indexed in SCI)
- V. **Massive black hole binaries from collisional runaways**
GÜRKAN M. A. , Fregeau J., Rasio F.
ASTROPHYSICAL JOURNAL, vol.640, no.1, 2006 (Journal Indexed in SCI)
- VI. **The disruption of stellar clusters containing massive black holes near the galactic center**
GÜRKAN M. A. , Rasio F.
ASTROPHYSICAL JOURNAL, vol.628, no.1, pp.236-245, 2005 (Journal Indexed in SCI)
- VII. **Formation of massive black holes in dense star clusters. I. Mass segregation and core collapse**
GÜRKAN M. A. , Freitag M., Rasio F.
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VIII. Monte Carlo simulations of globular cluster evolution. III. Primordial binary interactions

Fregeau J., GÜRKAN M. A. , Joshi K., Rasio F.

ASTROPHYSICAL JOURNAL, vol.593, no.2, pp.772-787, 2003 (Journal Indexed in SCI)

IX. Post-glitch RXTE-PCA observations of the Vela pulsar

Gurkan M., Baykal A., Alpar M., Ogelman H., Strohmayer T.

ASTRONOMY & ASTROPHYSICS, vol.356, no.3, pp.1136-1140, 2000 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

I. Collisions between single stars in dense clusters: Runaway formation of a massive object

Freitag M., Guerkan M. A. , Rasio F. A.

Workshop on Massive Stars in Interacting Binaries, Maurice, Canada, 16 - 20 August 2004, vol.367, pp.707-709

II. Formation of an IMBH in a dense stellar cluster near the Galactic center

GÜRKAN M. A. , Rasio F.

222nd Symposium of the International-Astronomical-Union, Gramado, Brazil, 1 - 05 March 2004, pp.179-180

III. Run-away IMBH formation in dense star clusters

Freitag M., GÜRKAN M. A. , Rasio F.

222nd Symposium of the International-Astronomical-Union, Gramado, Brazil, 1 - 05 March 2004, pp.167-168

IV. The radial distribution of millisecond pulsars in 47 Tuc

GÜRKAN M. A. , Rasio F.

Conference on New Horizons in Globular Cluster Astronomy, Padua, Italy, 24 - 28 June 2002, vol.296, pp.300-301

Citations

Total Citations (WOS):753

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