

IDŐKÖZI BESZÁMOLÓ közlemények		OTKA-azonosító: 83790	Típus: K
		Szakmai jelentés:	
Vezető kutató: Szabó Róbert		Kutatóhely: Konkoly Thege Miklós Csillagászati Intézet (MTA Csillagászati és Földtudományi Kutatóközpont)	
Zsúri: FIZ	Kezdet: 2011. 04. 01	Időszak: 2012-01-01 - 2013-03-31	Főkönyviszám: 71107
		Nyomtatás: 2013. 04. 16.	

NEM VÉGLEGESÍTETT VÁLTOZAT!!!

Sorszám	Közleményjegyzék	Dokumentum típusa	Impakt faktor	OTKA támogatás feltüntetve?
1.	Balona LA; Pigulski A; De Cat P; Handler G; Gutierrez-Soto J; Engelbrecht CA; Frescura F; Briquet M; Cuypers J; Daszynska-Daszkiewicz J; Degroote P; Dukes RJ; Garcia RA; Green EM; Heber U; Kawaler S; Lehmann H; Leroy B; Molenda-Zakowicz J; Neiner C; Noels A; Nuspl J; Ostensen R; Pricopi D; Roxburgh I; Salmon S; Smith MA; Suarez JC; Suran M; Szabó R; Uytterhoeven K; Borucki WJ; Christensen-Dalsgaard J; Kjeldsen H; Koch DG: Kepler observations of variability in B-type stars , MNRAS, 413: 2403-2420, 2011	folyóiratcikk	4.888	igen
2.	Béky B; Bakos GÁ; Hartman J; Torres G; Latham DW; Jordán A; Arriagada P; Bayliss D; Kiss LL; Kovács G; Quinn SN; Marcy GW; Howard AW; Fischer DA; Johnson JA; Esquerdo GA; Noyes RW; Buchhave LA; Sasselov DD; Stefanik RP; Perumpilly G; Lázár J; Papp I; Sári P: HAT-P-27b: A Hot Jupiter Transiting a G Star on a 3 Day Orbit , ApJ 734: 109 (11pp), 2011	folyóiratcikk	6.063	igen
3.	Benkó JM; Szabó R; Paparó M: Blazhko RR Lyrae light curves as modulated signals , MNRAS, 417: 974-991, 2011	folyóiratcikk	4.888	igen
4.	Bíró IB; Nuspl J: Photometric mode identification methods of nonradial pulsations in eclipsing binaries I. - Dynamic Eclipse Mapping , MNRAS, 416: 1601-1615, 2011	folyóiratcikk	4.888	igen
5.	Breger M; Balona L; Lenz P; Hollek JK; Kurtz DW; Catanzaro G; Marconi M; Pamyatnykh AA; Smalley B; Suarez JC; Szabó R; Uytterhoeven K; Ripepi V; Christensen-Dalsgaard J; Kjeldsen H; Fanelli MN; Ibrahim KA; Uddin K: Regularities in frequency spacings of delta Scuti stars: the Kepler star KIC 9700322 , MNRAS, 414 1721-1731, 2011	folyóiratcikk	4.888	igen
6.	Buchler JR; Kolláth Z: On the Blazhko effect in RR Lyrae stars , ApJ 731: 24, 2011	folyóiratcikk	6.063	igen
7.	Derekas A; Kiss LL; Borkovits T; Huber D; Lehmann H; Southworth J; Bedding TR; Balam D; Hartmann M; Hrudkova M; Ireland MJ; Kovács J; Mező Gy; Moór A; Niemczura E; Sarty G; Szabó GyM; Szabó R; Telting JH; Tkachenko A; Uytterhoeven K; Benkó J; Bryson ST; Maestro V; Simon A; Stello D; Schaefer G; Aerts C; ten Brummelaar TA; De Cat P; McAlister HA; Maceroni C; Merand A; Still M; Sturmann J; Sturmann L; Turner N; Tuthill PG; Christensen-Dalsgaard J; Gilliland RL; Kjeldsen H; Quintana EV; Tenenbaum P; Twicken JD: HD 181068: A Red Giant in a Triply Eclipsing Compact Hierarchical Triple System , Science, 332: 216-218, 2011	folyóiratcikk	31.364	igen
8.	Guggenberger E; Kolenberg K; Poretti E; Chapellier E; Szabó R; Benkó JM; Paparó M: The CoRoT star 105288363: strong cycle to cycle changes of the Blazhko modulation , MNRAS, 415: 1577-1589, 2011	folyóiratcikk	4.888	igen
9.	Hekker S; Basu S; Stello D; Kallinger T; Grundahl F; Mathur S; Garcia RA; Mosser B; Huber D; Bedding TR; Szabó R; De Ridder J; Chaplin WJ; Elsworth Y; Hale SJ; Christensen-Dalsgaard J; Gilliland RL; Still M; McCauliff S; Quintana EV: Asteroseismic inferences on red giants in open clusters NGC 6791, NGC 6819 and NGC 6811 using Kepler , A&A 530: A100 (9pp), 2011	folyóiratcikk	4.410	igen
10.	Kipping DM; Hartman J; Bakos GÁ; Torres G; Latham DW; Bayliss D; Kiss LL; Sato B; Béky B; Kovács G.; Quinn SN; Buchhave LA; Andersen J; Marcy GW; Howard AW; Fischer DA; Johnson JA; Noyes RW; Sasselov DD; Stefanik RP; Lázár J; Papp I; Sári P; Fűrész G: HAT-P-31b,c: A Transiting, Eccentric, Hot Jupiter and a Long-period, Massive Third Body , AJ, 142: 95 (12pp), 2011	folyóiratcikk	4.555	igen
11.	Kolláth Z; Molnár L; Szabó R: Period doubling bifurcation and high-order resonances in RR Lyrae hydrodynamical models , MNRAS, 414: 1111-1118, 2011	folyóiratcikk	4.888	igen
12.	Nemec JM; Smolec R; Benkó JM; Moskalik P; Kolenberg K; Szabó R; Kurtz DW; Bryson S; Guggenberger E; Chadid M; Jeon Y-B; Kunder A; Layden AC; Kinemuchi K; Kiss LL; Poretti E; Christensen-Dalsgaard J; Kjeldsen H; Caldwell D; Ripepi V; Derekas A; Nuspl J; Mullally F; Thompson SE; Borucki WJ: Fourier analysis of non-Blazhko ab-type RR Lyr stars observed with the Kepler space telescope , MNRAS, 417: 1022-1053, 2011	folyóiratcikk	4.888	igen
13.	Pál A; Sárneczky K; Szabó GyM; Szing A; Kiss LL; Mező Gy; Regály Zs: Transit timing variations in the HAT-P-13 planetary system , MNRAS, 413: 43-46, 2011	folyóiratcikk	4.888	igen
14.	Paparó M; Chadid M; Chapellier E; Benkó JM; Szabó R; Kolenberg K; Guggenberger E; Regály Zs; Auvergne M; Baglin A; Weiss WW: Periodicity search as a tool for disentangling the contaminated colour light curve of CoRoT 102781750 , A&A 531: A135 (12pp), 2011	folyóiratcikk	4.410	igen
15.	Stello D; Huber D; Kallinger T; Basu S; Mosser B; Hekker S; Garcia RA; Bedding TR; Kjeldsen H; Gilliland RL; Verner GA; Chaplin WJ; Benomar O; Meibom S; Grundahl F; Elsworth YP; Molenda-Zakowicz J; Szabó R; Christensen-Dalsgaard J; Tenenbaum P; Twicken JD; Uddin K: Amplitudes of solar-like oscillations: constraints from red giants in open clusters observed by Kepler , ApJL 737: L10 (6pp), 2011	folyóiratcikk	5.158	igen
	Stello D; Meibom S; Gilliland RL; Grundahl F; Hekker S; Mosser B; Kallinger T; Mathur S; Garcia RA; Huber D; Basu S; Bedding TR; Brogaard K; Chaplin WJ; Elsworth YP; Molenda-Zakowicz J; Szabó R; Still M;			

16.	Jenkins JM; Christensen-Dalsgaard J; Kjeldsen H; Serenelli AM; Woher B: An asteroseismic membership study of the red giants in three open clusters observed by Kepler: NGC 6791, NGC 6819, and NGC 6811 , ApJ, 739: 13 (13pp), 2011	folyóiratcikk	6.063	igen
17.	Szabó GyM; Kiss LL: A Short-period Censor of Sub-Jupiter Mass Exoplanets with Low Density , ApJL 727: 44 (4pp), 2011	folyóiratcikk	5.158	igen
18.	Szabó GyM; Szabó R; Benkő JM; Lehmann H; Mező Gy; Simon AE; Kóvári Zs; Hodosán G; Regály Zs; Kiss LL: Asymmetric transit curves as indication of orbital obliquity: clues from the brown dwarf companion in KOI-13 , ApJL 736: L4 (6pp), 2011	folyóiratcikk	5.158	igen
19.	Szabó R; Szabados L; Ngeow C-C; Smolec R; Derekas A; Moskalik P; Nuspl J; Lehmann H; Fűrész G; Molenda-Zakowicz J; Bryson ST; Henden AA; Kurtz DW; Stello D; Nemeč JM; Benkő JM; Berdnikov L; Bruntt H; Evans NR; Gorynya NA; Pastukhova EN; Simcoe RJ; Grindlay JE; Los EJ; Doane A; Laycock SG; Mink DJ; Champine G; Sliski A; Handler G; Kiss LL; Kolláth Z; Kovács J; Christensen-Dalsgaard J; Kjeldsen H; Allen C; Thompson SE; van Cleve J: Cepheid investigations using the Kepler space telescope , MNRAS, 413: 2709-2720, 2011	folyóiratcikk	4.888	igen
20.	Uytterhoeven K; Moya A; Grigahcene A; Guzik JA; Gutierrez-Soto J; Smalley B; Handler G; Balona LA; Niemczura E; Fox Machado L; Benatti S; Chapellier E; Tkachenko A; Szabó R; Suarez JC; Ripepi V; Pascual J; Mathias P; Martin-Ruiz S; Lehmann H; Jackiewicz J; Hekker S; Gruberbauer M; Garcia RA; Dumusque X; Diaz-Fraile D; Bradley P; Antoci V; Roth M; Leroy B; Murphy SJ; De Cat P; Cuypers J; Kjeldsen H; Christensen-Dalsgaard J; Breger M; Pigulski A; Kiss LL; Still M; Thompson SE; Van Cleve J: The Kepler characterization of the variability amongst A- and F-type stars I. General analysis , A&A 534: A125 (70pp), 2011	folyóiratcikk	4.410	igen
21.	Balona LA; Breger M; Catanzaro G; Cunha MS; Handler G; Kolaczowski Z; Kurtz DW; Murphy S; Niemczura E; Paparo M; Smalley B; Szabó R; Uytterhoeven K; Christiansen JL; Uddin K; Stumpe MC: Unusual high frequencies in the Kepler delta Scuti star KIC 4840675 , MNRAS 424: 1187-1196, 2012	folyóiratcikk	4.900	igen
22.	Derekas A; Szabó GyM; Berdnikov L; Szabó R; Smolec R; Kiss LL; Szabados L; Chadid M; Evans NR; Kinemuchi K; Nemeč JM; Seader SE; Smith JC; Tenenbaum P: Period and light curve fluctuations of the Kepler Cepheid V1154 Cyg , MNRAS, 425:1312-1319, 2012	folyóiratcikk	4.900	igen
23.	Guggenberger E; Kolenberg K; Nemeč JM; Smolec R; Benkő J; Ngeow C-C; Cohen J; Sesar B; Szabó R; Catelan M; Moskalik P; Kinemuchi K; Seader SE; Smith JC; Tenenbaum P; Kjeldsen H: the complex case of V445 Lyr observed with Kepler: Two Blazhko modulations, a non-radial mode, possible triple mode RR Lyrae pulsation, and more , MNRAS 424: 649-665, 2012	folyóiratcikk	4.900	igen
24.	Kiss LL; Percy JR: Non-Mira Pulsating Red Giants and Supergiants , JAAVSO 40: 528-538, 2012	egyéb	-	igen
25.	Miglio A; Brogaard K; Chaplin WJ; D'Antona F; Montalbán J; Stello D; Basu S; Bressan A; Grundahl F; Serenelli AM; Elsworth Y; Hekker S; Kallinger T; Mosser B; Ventura P; Bonanno A; Neols A; Pinsonneault M; Szabó R; Silva-Aguirre V; Li J; McCauliff S; Middour C; Kjeldsen H: Asteroseismology of old open clusters with Kepler: direct estimate of the integrated RGB mass loss in NGC 6791 and NGC 6819 , MNRAS 419:2077-2088, 2012	folyóiratcikk	4.900	igen
26.	Molnár L; Kolláth Z; Szabó R: Can turbulent convective variations drive the Blazhko cycle? Dynamical investigation of the Stothers idea , MNRAS 424:31-37, 2012	folyóiratcikk	4.900	igen
27.	Molnár L; Kolláth Z; Szabó R; Bryson S; Kolenberg K; Mullally F; Thompson SE: Nonlinear Asteroseismology of RR Lyrae , ApJ 757: L13-17, 2012	folyóiratcikk	5.526	igen
28.	Molnár L; Kolláth Z; Szabó R; Plachy E: New results in RR Lyrae modeling: Convective cycles, additional modes and more , AN 333: 950-953, 2012	folyóiratcikk	1.012	igen
29.	Szabados L; Derekas A; Kiss Cs; Klagyivik P: Discovery of the spectroscopic binary nature of the Cepheids X Puppis and XX Sagittarii , MNRAS 426: 3154-3159, 2012	folyóiratcikk	4.900	igen
30.	Szabó Gy.M; Szabó R; Benkő J.M; Lehmann H; Mező Gy; Simon AE; Kóvári Zs; Hodosán G; Regály Zs; Kiss LL: Asymmetric transit curves as indication of orbital obliquity: clues from the brown dwarf companion in KOI-13 , IAU Symposium 282: 139-140, 2012	Konferencia közlemény	-	igen
31.	Szabó GyM; Kiss LL; Pál A; Kiss Cs, Sárneczky K; Juhász A; Hogerheijde MR: Evidence for Fresh Frost Layer on the Bare Nucleus of Comet Hale-Bopp at 32 AU Distance , ApJ 761: A8, 2012	folyóiratcikk	6.024	igen
32.	Szabó GyM; Pál A; Derekas A; Simon AE; Szalai T; Kiss LL: Spin-orbit resonance, transit duration variation and possible secular perturbations in KOI-13 , MNRAS 421:L122-L126, 2012	folyóiratcikk	4.900	igen
33.	Vinkó J; Sárneczky K; Takáts K; Marion GH; Hegedűs T; Bíró IB; Borkovits T; Szegedi-Elek E; Farkas A; Klagyivik P; Kiss LL; Kovács T; Pál A; Szakát R; Szalai N; Szalai T; Szatmáry K; Szing A; Vida K; Wheeler JC: Testing SNe Ia distance measurement methods with SN 2011fe , A&A 546: A12, 2012	folyóiratcikk	4.587	igen
34.	Borkovits T; Derekas A; Kiss LL; Király A; Forgács-Dajka E; Bíró IB; Bedding TR; Bryson ST; Huber D; Szabó R: Dynamical masses, absolute radii and 3D orbits of the triply eclipsing star HD 181068 from Kepler photometry , MNRAS, 428: 1656-1672, 2013	folyóiratcikk	4.900	igen
35.	Freeman K; Ness M; Wylie-de-Boer E; Athanassoula E; Bland-Hawthorn J; Asplund M; Lewis G; Yong D; Lane R; Kiss LL; Ibata R: ARGOS - II. The Galactic bulge survey , MNRAS 428: 3660-3670, 2013	folyóiratcikk	4.900	igen
36.	Fuller J; Derekas A; Borkovits T; Huber D; Bedding TR; Kiss LL: Tidally induced oscillations and orbital decay in compact triple-star systems , MNRAS 429: 2425-2441, 2013	folyóiratcikk	4.900	igen
37.	Guggenberger E, Kolenberg K; Nemeč J; Szabó, R; Benkő J: Changing Blazhko modulations: KIC6186029 in comparison with other cases of non-repetitive Blazhko cycles , ApSS Proceedings Series 31: 291-293, P11, 2013	Konferencia közlemény	-	igen

38.	Lampens P; Tkachenko A; Lehmann H; Debosscher J; Aerts C; Beck PG; Bloemen S; Kochiashvili N; Derekas A; Smith JC; Tenenbaum P; Twicken JD: Low-frequency variations of unknown origin in the Kepler δ Scuti star KIC 5988140 = HD 188774 , A&A 549: A104, 2013	folyóiratcikk	4.587	igen
39.	Maciejewski G; Dimitrov D; Seeliger M; Raetz S; Bukowiecki L; Kitzé M; Errmann R; Nowak G; Niedzielski A; Popov V; Marka C; Gozdziwski K; Neuhauser R; Ohlert J; Hinse TC; Lee JW; Lee C-U; Berndt A; Gilbert H; Ginski C; Hohle M; Mancini ML; Southworth J; Dall'Ora M; Ciceri S; Zambelli R; Corfini G; Takahashi H; Tachihara K; Benkó JM; Sárneczky K; Szabó GyM; Varga TN; Vanko M; Joshi YC; Jensen ELN; Chen WP: Multi-site campaign for transit timing variations of WASP-12 b: possible detection of a long-period signal of planetary origin , A&A 551: A108, 2013	folyóiratcikk	4.587	igen
40.	Molnár L; Kolláth Z; Szabó R: Uncovering hidden modes in RR Lyrae stars , Astrophysics and Space Science Proceedings Series 31:185, 2013	Konferencia közlemény	-	igen
41.	Murphy SJ; Pigulski A; Kurtz DW; Suarez JC; Handler G; Balona LA; Smalley B; Uytterhoeven K; Szabó R; Thygesen AO; Elkin V; Breger M; Grigahcene A; Guzik JA; Nemeč JM; Southworth J: An asteroseismic case-study of KIC 11754974: a high-amplitude SX Phe star in the Kepler field , MNRAS in press, arXiv:1304.1543, 2013	folyóiratcikk	4.900	igen
42.	Ness M; Freeman K; Athanassoula E; Wylie-de-Boer E; Bland-Hawthorn J; Asplund M; Lewis GF; Yong D; Lane RR; Kiss LL: ARGOS - III. Stellar populations in the Galactic bulge of the Milky Way , MNRAS 430: 836-857, 2013	folyóiratcikk	4.900	igen
43.	Ngeow C-C; Szabó R; Szabados L; Henden A; Groenewegen MAT; the Kepler Cepheid Working Group: Ground-Based BVRI Follow-Up Observations of the Cepheid V1154 Cyg in Kepler's Field , Astrophysics and Space Science Proceedings Series, 2013	Konferencia közlemény	-	igen
44.	Plachy E; Kolláth Z: Elimination of long-term variation from chaotic light curves , AN in press, arXiv:1303.3560, 2013	folyóiratcikk	1.012	igen
45.	Plachy E; Kolláth Z; Molnár L: Detection of chaos in RR Lyrae models , Astrophysics and Space Science Proceedings Series Supp. Mat. P14, 2013	Konferencia közlemény	-	igen
46.	Szabados L; Derekas A; Kiss LL; Kovács J; Anderson RI; Kiss C; Szalai T; Székely P; Christiansen JL: Discovery of the spectroscopic binary nature of six southern Cepheids , MNRAS 430: 2018-2028, 2013	folyóiratcikk	4.900	igen
47.	Szabó R; Kolláth Z; Molnár L; Kolenberg K; Kurtz DW; WG#13 members: Period doubling in Kepler RR Lyrae stars , Astrophysics and Space Science Proceedings series 31:81, 2013	Konferencia közlemény	-	igen
48.	Szabó R; Szabó GyM; Dály a G; Simon AE; Hodosán G; Kiss LL: Multiple planets or exomoons in Kepler hot Jupiter systems with transit timing variations? , A&A in press, arXiv:1207.7229, 2013	folyóiratcikk	4.587	igen