

**Author Index**

- Aerts C. – 503, 549  
 Ahmad N. – **274**  
 Aidelman Y. – **276**  
 Alecian E. – 118, 186, 208, **354**  
 Alves F. – 414, 501  
 Ames A. – **278**  
 de Andrade L. B. P. – 507, 509  
 Annuk K. – **380**  
 de Araújo F. X. – 420  
 Aragona C. – 290  
 Araya I. – **83**  
 Arias M. L. – 276, 392, 620  
 Arnold W. – 414, 501  
 Austin M. J. – **600**
- Baade D. – **1**, 130, 242, 300, 430, 543, 616  
 Bagnulo S. – 182  
 Bandyopadhyay R. M. – 606  
 Barbá R. – 511  
 Barría D. – 527  
 Barrera L. – 543  
 Barsukova E. A. – **602**  
 Bastian N. – 296  
 de Batz B. – **284**  
 Beatriz Sabogal – 288  
 Beletsky Y. – 296  
 Belkacem K. – 457  
 Bendjoya P. – **382**  
 Bergmann T. – 414, 501  
 Bersukova E. – 610  
 Biegging J. – 632  
 Bjorkman J. E. – 384, 388, 396, 418  
 Bjorkman K. S. – 388, 412, 418  
 Blomme R. – 616, 638  
 Bohlender D. – 118, **176**, 204, 517  
 Bomans D. J. – **265**  
 Bonanos A. Z. – **254**, 298, 515  
 Borges Fernandes M. – 406, 410, 420  
 Bouret J.-C. – 87, 118, **172**  
 Boyajian T. S. – 290  
 Braithwaite J. – 32, 178  
 Brandenburg A. – 32  
 Brandi E. – 523  
 Broos P. S. – 608  
 Brott I. – 85, 296  
 Buil C. – 280  
 Burenkov A. N. – 602
- Cantiello M. – **32**, 296  
 Carciofi A. C. – **325**, **384**, 388, 396, 412, 418, 430
- Carlos Suárez J. – 507, 509  
 Carraro G. – 296  
 Castro N. – 292, 310, 549  
 Cerutti B. – 581  
 Che X. – 44  
 Chen W.-P. – 366, 404  
 Chené A.-N. – **445**, **497**, 501  
 Chentsov E. L. – 400  
 Chesneau O. – **342**, 406, 408, 410  
 Cidale L. S. – 83, 103, 172, 184, 276, 392, 620  
 Clark J. S. – 296  
 Cochard F. – **280**, 282, 284  
 Cohen D. H. – 118, 194, **348**, 608  
 Corcoran M. F. – 414, 501, 604, 608, 630  
 Correia Viegas N. G. – 414, 501  
 Crowther P. A. – 296, 497  
 Cruzado A. – **386**  
 Curé M. – 83, 184, 196
- Damineli A. – **604**  
 David-Uraz A. – **499**  
 De Becker M. – 626, 638  
 De Cat P. – **433**  
 Decressin T. – **227**  
 Degroote P. – 433  
 Del Sordo F. – 32  
 Delaa O. – 103  
 Desnoux V. – 280  
 Dessart L. – 342  
 Deupree R. – 93  
 Domiciano de Souza A. – 103, 382, 420  
 Dougherty S. M. – 414, 501  
 Drake N. A. – 198  
 Draper Z. H. – **388**  
 Driebe T. – 408, 410  
 Drissen L. – 208  
 Dubus G. – 402, **581**  
 Duez V. – 118, **178**  
 Dufton P. L. – 85, 296  
 Dunstall P. – **85**, 296  
 Dupret M.-A. – **457**, 503
- Edwards M. L. – **606**  
 Eggleton P. P. – 274  
 Eikenberry S. S. – 606  
 Ekström S. – **62**, 300, 640  
 Emilio M. – 507  
 Engelbrecht C. A. – **286**  
 Espinosa Lara F. – 535  
 Evans C. J. – 85, **233**, 254, 296, 474

- Eversberg T. – 414, 501
- Fabregat J. – 300, 430, 451, **492**, 505
- Fabrika S. N. – 198, 200
- Fahed R. – 414, **501**
- Fauchez T. – 521
- Fehon G. – 608
- Feldmeier A. – 614
- Fenech D. – 306
- Fernando A. – 414, 501
- Ferrer O. – 523
- Floquet M. – 284
- Fourtune-Ravard C. – **180**
- Fox A. – 616
- Fox-Machado L. – 505
- Frémat Y. – 103, 300, 547, 616
- Frasca A. – 422
- Frescura F. A. M. – 286
- Friedjung M. – 422
- Fromang S. – 402
- Fuchs J. T. – 632
- Fullerton A. W. – **136**, **182**, 302
- Gagné M. – 118, 194, **593**, **608**
- Gamen R. – 511
- García L. – 523
- García-Varela A. – **288**, 308
- Garcia E. – 290
- Garcia M. – 292, 310
- Georgiev L. – 511
- Georgy C. – 62, **640**
- Gieles M. – 296
- Gies D. R. – 38, 89, 290, **378**, **390**, 424, 525, 634
- Girard J. – 616
- Godart M. – 457, **503**
- Goranskij V. P. – 602, **610**
- Gordon K. – 254
- Gorlova N. – 519
- Gosset E. – 521
- Gouveia Carreira L. F. – 414, 501
- Gräfener G. – 296
- Graczyk D. – 527
- Granada A. – 62, 83, **184**, **392**, 640
- Gray R. O. – 412
- de Greve J.-P. – 486
- Groh J. H. – **56**, 408, 410, 519, 604
- Grundstrom E. D. – **290**, 525, 634
- Grunhut J. H. – 118, 180, **186**, **188**, **190**, 204, 210, 212, 220
- Guinan E. – 212
- Gutiérrez-Soto J. – 433, **451**, **505**, 547
- Halonen R. J. – **394**
- Hamaguchi K. – 414
- Hamann W.-R. – 614
- Hanes D. A. – 186, 212
- Harrington D. M. – 513
- Hashimoto O. – 618
- Haubois X. – 388, **396**
- Hayasaki K. – 628
- Henrichs H. F. – 118, 180, **192**
- Hernández-Cervantes L. – 99
- Herrero A. – **292**, 296, 310, 549
- Hervé A. – **87**
- Hill N. R. – 118, **194**
- Hillier D. J. – 511
- Honda S. – 618
- Howarth I. D. – 220, 296
- Huang W. – **89**
- Hubert A.-M. – 242, 547
- Hubrig S. – **196**, 222, 224
- Hummel C. A. – 539
- Hunger T. – 414, 501
- Hénault-Brunet V. – 296
- Ichikawa K. – 618
- Ignace R. – 206
- Igoshev A. P. – 198
- Ilyin I. – 196, 224
- Imada A. – 618
- Izzard R. G. – 531
- Janot Pacheco E. – **507**, 509, 593
- Jansen K. – 486
- Jeffers S. V. – 202
- Jendreieck A. – 507, **509**
- Johns-Krull C. M. – 202
- Jones C. E. – 95, 394, **398**
- Kambe E. – 618
- Kanaan S. – 406
- Kapyla P. – 32
- Kaufer A. – 342
- Kawachi A. – 628
- Keller C. U. – 202
- Kholtygin A. F. – **198**, **200**
- Kinoshita D. – 404
- Klochkova V. G. – **400**, 602
- Knapen J. H. – 414, 501
- Kochukhov O. – 118, 124, **166**, 202
- Koehlinger F. – 254
- Koenigsberger G. – **511**, **513**
- Kolenberg K. – 192
- Korčáková D. – 218, 533
- de Koter A. – 292, 296
- Koubský P. – 218
- Koumpia E. – **515**
- Kołaczkowski Z. – 527, 541
- Kroll P. – 602
- Krtička J. – **91**, **517**, **614**
- KT P. – **294**
- Kubát J. – 214, 614
- Kučerová B. – 533

- Lüftinger T. – 517  
 Lajus E. F. – 497  
 Lamberts A. – **402**  
 Langer N. – 32, 296, 531  
 Lanza A. F. – 451  
 Le Bouquin J.-B. – 430, 616  
 Leadbeater R. – 414, 501  
 Lee C.-D. – **366, 404**  
 Lefever K. – 503  
 Lennon D. J. – 254, 292, **296, 302**  
 Leutenegger M. A. – 348  
 Liermann A. – 408, 410  
 Lobel A. – **519, 616**  
 van Loon J. T. – 254, 296  
 de Loore B. – 486  
 Lopes de Oliveira R. – 428  
 Lopez B. – 406  
 Lovekin C. – **93**  
 Lynch D. K. – 412  
  
 Maíz Apellániz J. – 296  
 Mackay F. E. – 394  
 Macri L. – 298  
 Madura T. I. – 630  
 Maeder A. – 62, **642**  
 Magalhães A. M. – 420  
 Mahy L. – **521**  
 Makaganiuk V. – **202**  
 Malasan H. L. – 274  
 Manset N. – 204, 212, 260  
 Marchiano P. E. – **523**  
 Marcolino W. L. F. – 180, 188, 190,  
 204, 206, 220  
 Marilli E. – 422  
 Markakis K. – **298**  
 Marková H. – 517  
 Markova N. – 296  
 Marques Dias F. – 414, 501  
 Marsden S. C. – 192  
 Marsh A. N. – 290  
 Martayan C. – 1, 103, **242, 300, 547,**  
**616**  
 Martins F. – 220, 616  
 Massa D. L. – 206, 254, **302**  
 Mast N. – 216  
 Mathew B. – 294  
 Mathis S. – 118, **160, 178**  
 McGill M. – **95**  
 McSwain M. V. – 89, 290, **525, 545,**  
 634  
 Meade M. R. – 388  
 Meilland A. – **406, 408, 410**  
 Meintjes P. J. – 636  
 Meixner M. – 254  
 Mennekens N. – 486  
 Mennickent R. E. – 288, 294, 308, 392,  
**527, 541, 551**  
  
 Merand A. – 616  
 Metlova N. V. – 602  
 Meynet G. – 62, 79, 91, 640  
 Michalska G. – 527, **529**  
 Mikles V. J. – 606  
 Mikulášek Z. – 517  
 Millour F. – 406, **408, 410**  
 the MiMeS collaboration – 118, 180,  
 182, 188, 190, 192, 204, 206, 210,  
 212, 220  
 de Mink S. E. – 296, **531**  
 Miroshnichenko A. S. – **260, 304, 384,**  
 400, **412, 602**  
 Moffat A. F. J. – 414, 445, 497, 499,  
 501, 608  
 Monnier J. D. – 44, 424  
 Montagnier G. – 616  
 Montalban J. – 503  
 Montmerle T. – 208  
 Moon D.-S. – 606  
 Moonsamy S. L. – 286  
 Morel T. – **97, 414, 501, 612**  
 Moreno E. – 513  
 Morin D. – 176  
 Moritani Y. – **618**  
 Morrell N. – 511  
 Mourard D. – 103, 342  
 Muratore M. F. – 523, **620**  
 Muratorio G. – 422  
  
 Nagataki S. – 628  
 Naito T. – 628  
 Najarro F. – 292, 296  
 Nazé Y. – 220, 608, **622, 624, 626**  
 Neiner C. – 118, 212, 284, 451, 547  
 Niccolini G. – 382  
 Niemczura E. – 527, 529  
 Nieva M.-F. – 26, **566**  
 Nitschelm C. – 521  
 Noels A. – 457, 503  
 Nogami D. – 618  
  
 Okazaki A. T. – 396, 416, 430, 587, 618,  
**628, 630**  
 Oksala M. E. – 118, **124, 166, 204**  
 Oktariani F. – **416**  
 Oskinova L. M. – 608, 614  
 Otero S. – 430  
 Oudmaijer R. D. – **418**  
 Owocki S. P. – 91, 118, 124, 342, **587,**  
 628, 630  
  
 Pérez-Rendón B. – **99**  
 Panagia N. – 254  
 Patru F. – 616  
 Penny L. – **38**  
 Pereyra A. – **420**

- Peters G. J. – **79**, **101**  
 Petit V. – **106**, 118, 182, 188, **206**,  
     **208**, 212  
 Pietrzynski G. – 298  
 Pineda-León H. – 99  
 Piskunov N. – 202  
 Pittard J. M. – 414, 501  
 Plaggenborg B. – 192  
 Pogodin M. A. – 222, 224  
 Polcaro F. – 260  
 Pollock A. M. T. – 414, 501  
 Polster J. – **533**  
 Poretti E. – 451  
 Potter A. – **73**  
 Povich M. S. – 608  
 Prinja R. K. – 302, **306**, 342, 600  
 Przybilla N. – **26**, 566  
 Puls J. – 292, 296, 503, 549, **554**  
  
 Quiroga C. – 523  
  
 Rainer M. – 451  
 Rantakyro F. – 430  
 Rauw G. – 414, 501, 521, **612**, 624, 626,  
     638  
 Ray P. S. – 525  
 Reese D. R. – **535**  
 Reig P. – 505  
 Reinecke N. – 414, 501  
 Remage Evans N. – **537**  
 van Rensbergen W. – **486**  
 Ribeiro J. – 414, 501  
 Richardson N. D. – 424, 634  
 Rietord M. – 535  
 Rivero González J. G. – 554  
 Rivinius T. – 1, 118, **130**, 166, 190,  
     **210**, 242, 430, 492, **539**, **541**, **543**,  
     616  
 Rodenhuis M. – 202  
 Roettenbacher R. M. – 290, **545**  
 Romanyuk I. – 166  
 Romeo N. – 414, 501  
 Romero G. – 587  
 Rossi C. – 260, **422**  
 Rudy R. J. – 412  
 Russell C. M. P. – **630**  
  
 Sánchez Gallego J. – 414  
 Sabogal B. – 294, **308**  
 the SAGE teams – 254  
 Saio H. – 271, **468**  
 Sana H. – 296, **474**, 521, 616  
 Santillán A. – 99  
 dos Santos E. M. – 414, 501  
 Savoy M. R. – 608  
 Schöller M. – 196  
 Schaefer G. H. – 390, **424**, 634  
  
 Schanne L. – 414, 501  
 Schnurr O. – 497  
 Schoeller M. – 222, 224  
 Schwarz K. – 632  
 Šejnová K. – 218  
 Selman F. – 616  
 Semaan T. – 451, **547**, 616  
 Sewilo M. – 254  
 Shultz M. – 118, 180, 210, **212**  
 Sigut T. A. A. – 95, 394, 398, **426**  
 Silaj J. – 398  
 Simón-Díaz S. – 292, 296, **310**, 433,  
     503, **549**  
 Škoda P. – 533  
 Šlechta M. – 533  
 Smartt S. J. – 296  
 Smith A. – 398  
 Smith L. J. – 254  
 Smith M. A. – **428**, **551**  
 Smith N. – **571**  
 Snik F. – 202  
 van Soelen B. – **636**  
 Spano M. – 626  
 Stahl O. – 210, 342, 414, 501, 539, 543  
 Stanek K. Z. – 298  
 Stee P. – 103, **313**, 406  
 Štefl S. – 1, 130, **430**, 543, 616  
 Stempels H. C. – 202  
 Steslicki M. – 529  
 Stober B. – 414, 414, 501, 501  
 Strelnitski V. – **632**  
 Stroud V. E. – 296  
 Subramaniam A. – 294  
 Sudnik N. – 200  
 Sundqvist J. O. – 554  
 Surlan B. – **214**  
 Sánchez Gallego J. – 501  
  
 Takata J. – 628  
 Taylor W. D. – 296  
 Teodoro M. – 604  
 Thizy O. – **282**  
 Torres A. F. – 620  
 Torres K. – 519  
 Touhami Y. N. – 390, 424, **634**  
 Tout C. – 73  
 Townsend R. H. D. – 118, 124, 130,  
     **148**, 190, 194, 204, 210, **216**, 378,  
     543  
 Townsley L. K. – 608  
 Tycner C. – 278, **337**, 398  
  
 ud-Doula A. – 208, 624, 626  
 Urbaneja M. A. – 292  
 Uytterhoeven K. – 292, 433, 549

656

*Author Index*

Valenti J. A. – 202

Ventura P. – 503

Vink J. S. – 118, 292, 296

Vollmann K. – 414, 501

Volpi D. – **638**Votruba V. – **218**, 533Wade G. A. – **118**, 124, 180, 182, 186,  
188, 190, 192, 204, 206, 208, 210,  
212, **220**, **271**

Waite I. A. – 192

Walborn N. R. – 220, 296, 608, 626

Walker G. – 632

Weigelt G. – 408, 410

Weis K. – 265, **372**

Wheelwright H. E. – 418

Williams A. – 529

Williams P. M. – 414, 501

Williams S. J. – 290, 634

Wingert D. W. – 290

Wisniewski J. P. – 388

Wollman E. E. – 348

Yahya M. S. – 274

Yudin R. V. – **222**, **224**Zahn J.-P. – **14**

Zainuddin M. Z. – 274

Zavala R. – 278

Zhao M. – **44**, 424

Zharikov S. – 260

Žižňovský J. – 517

Zorec J. – **103**, 242, 276, 300, 501, 547,  
616, 620

Zverko J. – 517

## Object Index

- $\alpha$  Aql – 47, 48, 49, 50, 52, 53, 64  
 $\alpha$  Ara – 223, 246, 314, 318, 319, 320, 495, 558  
 $\alpha$  Aur – 349  
 $\alpha$  Cam – 215  
 $\alpha$  Cep – 49, 50, 51, 52, 53, 64, 641  
 $\alpha$  CMa – 48  
 $\alpha$  Col – 314  
 $\alpha^2$  CVn – 111, 112, 119, 127  
 $\alpha$  Cyg – 47, 342, 343, 345, 346, 646  
 $\alpha$  Eri – 48, 52, 63, 246, 247, 318, 319, 320, 322, 323, 378, 495, 556, 558  
 $\alpha$  Leo – 48, 49, 51, 52, 55, 641  
 $\alpha$  Lyr – 44, 45, 47, 48, 49, 52, 53, 391  
 $\alpha$  Oph – 49, 51, 52, 53, 64  
 $\alpha$  Psc – 176  
 $\alpha$  Pyx – 567  
 $\alpha$  Vir – 493, 494  
 $\beta$  Cas – 49, 51, 52  
 $\beta$  Cen – 434  
 $\beta$  Cep – 5, 10, 27, 29, 116, 152, 157, 181, 192, 193, 283, 317, 322, 435, 436, 440, 567, 643  
 $\beta$  CMa – 436  
 $\beta$  CMi – 314, 319, 418, 419, 440  
 $\beta$  Lyr – 5, 292, 489, 490, 527  
 $\beta$  Ori – 212, 213, 342, 343, 344, 345, 346, 646  
 $\beta$  Psc – 316  
 $\gamma$  Ara – 555, 558, 559, 560, 564, 594, 595, 648  
 $\gamma$  Cas – 174, 242, 251, 285, 305, 314, 317, 393, 394, 428, 429, 491, 625  
 $\gamma$  Dor – 461, 509  
 $\gamma$  Peg – 438, 464, 567  
 $\delta$  Cen – 223, 314, 322, 393  
 $\delta$  Cet – 27, 28, 29, 121, 436, 567  
 $\delta$  Ori A – 201  
 $\delta$  Ori C – 152, 156, 176  
 $\delta$  Sco – 5, 272, 278, 279, 283, 305, 316, 317  
 $\epsilon$  Aur – 283,  
 $\epsilon$  Tuc – 223  
 $\zeta$  Aql – 47, 342, 343, 345, 346, 646  
 $\zeta$  Cas – 27, 28, 29, 116, 192, 193, 567, 643  
 $\zeta$  Oph – 136, 137, 440  
 $\zeta$  Ori – 157  
 $\zeta$  Ori A – 116, 539, 540, 614  
 $\zeta$  Pup – 136, 137, 138, 139, 141, 144, 157, 348, 349, 350, 351, 557  
 $\zeta$  Tau – 245, 314, 315, 316, 327, 328, 334, 336, 339, 424, 425, 430, 431  
 $\eta$  Car – 56, 59, 60, 81, 317, 372, 373, 376, 377, 378, 393, 538, 571, 574, 578, 581, 594, 597, 598, 599, 604, 605, 608, 616, 617, 630, 631, 648  
 $\theta$  CrB – 281  
 $\theta$  Oph – 436, 460  
 $\theta^1$  Ori A – 209  
 $\theta^1$  Ori B – 209  
 $\theta^1$  Ori C – 116, 152, 154, 155, 157, 208, 209, 379, 608, 625  
 $\theta^2$  Ori A – 209  
 $\theta^2$  Ori B – 29, 30, 209  
 $\iota$  Her – 567  
 $\kappa$  Aql – 594  
 $\kappa$  CMa – 314, 315, 317, 319, 320, 328, 393  
 $\kappa$  Dra – 314, 315, 316  
 $\lambda$  Cep – 200, 201, 564, 567  
 $\lambda$  Cyg – 281  
 $\lambda$  Eri – 222, 223, 281  
 $\lambda$  Sco – 434  
 $\mu$  Cen – 101, 245, 249, 321, 328, 393, 439, 440, 451, 646  
 $\nu$  Eri – 29, 30, 435, 436, 438, 459, 464, 567, 646  
 $\nu$  Ori – 567  
 $\xi^1$  CMa – 115, 180, 181, 196, 197  
 $\xi$  Per – 137, 138, 139, 140  
 $\phi$  Aqr – 317, 393  
 $\pi$  Aqr – 305, 320, 388, 389  
 $\sigma$  Lup – 116, 174, 192, 193  
 $\sigma$  Ori E – 115, 124, 125, 126, 128, 129, 130, 133, 151, 152, 156, 157, 166, 167, 168, 176, 177, 190, 191, 194, 195, 204, 205, 327, 642, 643  
 $\tau$  Boo – 283  
 $\tau$  Sco – 27, 28, 30, 97, 98, 113, 116, 152, 206, 207, 567, 568  
 $\upsilon$  Cyg – 316  
 $\phi$  Dra – 176  
 $\phi$  Cas – 305  
 $\phi^1$  Ori – 29, 30, 567  
 $\phi$  Per – 314  
 $\chi$  Cen – 567  
 $\chi$  Oph – 101, 305, 315, 316, 334  
 $\chi$  Per – 368  
 $\psi$  Per – 305, 314, 315, 316, 319  
 $\omega$  Cen – 227  
 $\omega$  CMa – 101, 317, 321, 334, 335, 393, 430, 431

- $\omega$  Ori – 249, 643  
 0181-0125572 – 262  
 0203-0138943 – 262  
 0218-0100858 – 262  
 0225-0105286 – 262  
 2MASS 03094640+6418429 – 261, 262  
 2MASS J16400178-4639348 – see LP  
   Ara  
   1 Pup – see 3 Pup  
   3 Pup – 263, 318, 319, 345, 346, 406,  
     407, 410, 411  
   9 Sgr – 196, 348, 351, 352  
   11 Cam – 101  
   12 Lac – 436, 437  
   12 Vul – 317, 393  
   15 Mon – 196  
   16 Peg – 101, 115  
   28 CMa – see  $\omega$  CMa  
   28 Cyg – 317, 321, 393  
   28 Tau – 274, 275, 290, 321, 380, 381,  
     393  
   30 Dor – 233, 236, 237, 238, 239, 296,  
     297, 311, 373, 474, 479, 497, 581  
   31 Peg – 101, 102, 291  
   36 Lyn – 176, 177  
   4U 0115+63 – 505, 506  
   4U 2206+54 – 505  
   48 Per – 315, 319  
   51 Oph – 314  
   51 Peg – 283  
   56 Ari – 176  
   60 Cyg – 321, 388, 389  
   66 Oph – 281, 305, 321, 393  
   68 Cyg – 137  
   88 Her – 321, 393  
   114 Tau – 28, 29, 30, 567  
   164 G Sco – 471, 472, 473  
   Achernar – see  $\alpha$  Eri  
   A0535+262 – see V725 Tau  
   AB Aur – 343, 361, 362  
   AB Dor – 428  
   AG Car – 56, 57, 58, 60, 61, 87, 88,  
     373, 374, 375, 376, 377, 393, 471,  
     472, 473, 572, 648  
   AL190 – 262  
   ALS 1135 – 529, 530  
   ALS 2401 – 277  
   Alderamin – see  $\alpha$  Cep  
   Altair – see  $\alpha$  Aql  
   AO 0535+26 – see V725 Tau  
   AR Boo – 490  
   ARDB 54 – 262, 263  
   AS 160 – 413  
   AU Mon – 527, 528  
   AV 321 – 42  
   AzV 16 – 257, 258  
   AzV 415 – 258  
   BAT 99-112 – 497  
   BE74 540 – 262  
   BE74 580 – 262  
   BI 108 – 541  
   BK Cam – 321, 393, 399  
   BU Tau – see 28 Tau  
   BW Vul – 283  
   Caph – see  $\beta$  Cas  
   Capella – see  $\alpha$  Aur  
   Car OB – 608, 622, 623  
   CD-49 3441 – 367, 368  
   CD-31° 4897b – see NGC 2439 070  
   CD-57° 6346 – see NGC 6087 156  
   CI Cam – 602, 603  
   Cl 1806-20 – 606, 607  
   CL Aur – 490  
   CN And – 490  
   Col 228 – 474, 479  
   Col 228 68 – 60  
   CoRoT 101486436 – 548  
   CoRoT 102595654 – 548  
   CoRoT 102672979 – 548  
   CoRoT 102686433 – 548  
   CoRoT 102719279 – 495, 548  
   CoRoT 102725623 – 548  
   CoRoT 102728404 – 548  
   CoRoT 102761769 – 507, 508  
   CoRoT 102766835 – 548  
   CoRoT 102825808 – 548  
   CoRoT 102847615 – 548  
   CPD-28° 2561 – 220  
   CPD-57° 2874 – 382, 383  
   CPD-57° 7791 – see NGC 6087 014  
   CU Vir – 176, 517, 518  
   CV Ser – 499, 500  
   Cyg OB2 – 306, 307, 400  
   Cyg OB2 No. 12 – 400, 401  
   Cyg OB2 No. 8A – 638, 639  
   Cyg OB2 No. 9 – 638, 639  
   Cyg X-1 – 581, 593  
   Cyg X-3 – 581, 582, 585  
   Deneb – see  $\alpha$  Cyg  
   DQ Vel – 528  
   EW Lac – 291, 305, 321, 393  
   FK5 0594 – see  $\delta$  Sco  
   FN CMa – 543, 544  
   FN CMa A – 544  
   FN CMa B – 543  
   FO 15 – 609  
   FS CMa – 260, 261, 263, 317, 370, 384,  
     385, 393, 412, 413  
   FW CMa – 101  
   FX Vel – 413  
   GG Car – 420, 421, 523, 524  
   GK Nor – 528  
   GRO J2058+42 – 505  
   Hb 5 – 374

- HD 108 – 116, 196, 220, 221, 626, 627  
 HD 886 – see  $\gamma$  Peg  
 HD 3360 – see  $\zeta$  Cas  
 HD 5394 – see  $\gamma$  Cas  
 HD 5980 – 258, 377, 511, 512, 598, 599  
 HD 7636 – 305  
 HD 12447 – see  $\alpha$  Psc  
 HD 13854 – 215  
 HD 14134 – 283, 414, 415  
 HD 14818 – 215  
 HD 16582 – see  $\delta$  Cet  
 HD 19832 – see 56 Ari  
 HD 20336 – see BK Cam  
 HD 22780 – 281  
 HD 23862 – see 28 Tau  
 HD 29248 – see  $\nu$  Eri  
 HD 29441 – see V1150 Tau  
 HD 30614 – see  $\alpha$  Cam  
 HD 31648 – 225  
 HD 34085 – see  $\beta$  Ori  
 HD 34816 – see  $\lambda$  Cep  
 HD 34959 – 281  
 HD 35298 – see V1156 Ori  
 HD 35299 – 567  
 HD 35502 – 176, 177  
 HD 35708 – see 114 Tau  
 HD 36313 – see V1093 Ori  
 HD 36485 – see  $\delta$  Ori C  
 HD 36512 – see  $\nu$  Ori  
 HD 36591 – 567  
 HD 36822 – see  $\phi^1$  Ori  
 HD 36879 – 196  
 HD 36960 – 567  
 HD 36982 – see LP Ori  
 HD 37020 – see  $\theta^1$  Ori A  
 HD 37022 – see  $\theta^1$  Ori C  
 HD 37023 – see  $\theta^1$  Ori B  
 HD 37041 – see  $\theta^2$  Ori A  
 HD 37042 – see  $\theta^2$  Ori B  
 HD 37061 – see NU Ori  
 HD 37149 – 281  
 HD 37150 – 176  
 HD 37479 – see  $\sigma$  Ori E  
 HD 37642 – see V1148 Ori  
 HD 37776 – 128, 157, 166, 169, 170,  
 171, 174, 517  
 HD 42087 – 283, 415  
 HD 43384 – 283, 415  
 HD 44743 – see  $\beta$  CMa  
 HD 45314 – 283, 415  
 HD 45677 – see FS CMa  
 HD 46149 – 437  
 HD 46328 – see  $\chi^1$  CMa  
 HD 47240 – 555, 558, 560  
 HD 49330 – 249, 250, 321, 440, 441,  
 452, 495  
 HD 50013 – see  $\kappa$  CMa  
 HD 50064 – 442, 504, 556  
 HD 50083 – 305  
 HD 50138 – 260, 367, 368, 405  
 HD 50209 – 440, 441, 452, 453  
 HD 50230 – 439, 461  
 HD 50526 – 528  
 HD 50844 – 510  
 HD 51193 – 451, 452, 453, 454, 455, 646  
 HD 52382 – 283, 415  
 HD 53974 – see FN CMa  
 HD 56139 – see  $\omega$  CMa  
 HD 57682 – 97, 98, 116, 120, 188, 189,  
 281  
 HD 58011 – 223  
 HD 58715 – see  $\beta$  CMi  
 HD 60848 – 283, 415  
 HD 61068 – see PT Pup  
 HD 61556 – 120, 210, 211  
 HD 62033 – 277  
 HD 62623 – see 3 Pup  
 HD 63425 – 206, 207  
 HD 63922 – 567  
 HD 64740 – 517, 518  
 HD 64760 – 138, 139, 140, 141, 145,  
 147, 150, 554, 555, 558, 594  
 HD 66665 – 206, 207  
 HD 71066 – 203  
 HD 74575 – see  $\alpha$  Pyx  
 HD 79158 – 36 Lyn  
 HD 85567 – 367, 368  
 HD 87643 – 346, 410, 411, 621  
 HD 90834 – 528  
 HD 93129A – 141, 348, 351, 352, 353,  
 608, 609  
 HD 93190 – 609  
 HD 93205 – 609  
 HD 93250 – 608, 609  
 HD 93308 – see  $\eta$  Car  
 HD 93343 – 609  
 HD 93403 – 609, 623  
 HD 93501 – 609  
 HD 93521 – 612, 613  
 HD 94660 – 111  
 HD 94910 – see AG Car  
 HD 98922 – 367, 368  
 HD 100943 – see NCG 3766 232  
 HD 101412 – 225  
 HD 104237 – 360, 361, 362  
 HD 105435 – see  $\delta$  Cen  
 HD 105521 – see V817 Cen  
 HD 110432 – 428, 429  
 HD 112413 – see  $\alpha^2$  CVn  
 HD 115842 – 215  
 HD 119682 – 625  
 HD 120324 – see  $\mu$  Cen  
 HD 120991 – see V767 Cen  
 HD 122980 – see  $\chi$  Cen



- HD 124224 – see CU Vir  
 HD 127756 – 440  
 HD 129929 – see V836 Cen  
 HD 142184 – 115, 135, 190, 191, 642  
 HD 142926 – 406  
 HD 143275 – see  $\delta$  Sco  
 HD 146294 – see NGC 6087 011  
 HD 146324 – see NGC 6087 010  
 HD 146483 – see NGC 6087 007  
 HD 146484 – see NGC 6087 009  
 HD 148259 – see OZ Nor  
 HD 148937 – 116, 120, 220, 221, 626, 627  
 HD 149438 – see  $\tau$  Sco  
 HD 149757 – see  $\zeta$  Oph  
 HD 150136 – 521, 522  
 HD 155806 – 182, 183, 624, 625  
 HD 157056 – see  $\theta$  Oph  
 HD 157246 – see  $\gamma$  Ara  
 HD 160124 – 438  
 HD 160762 – see  $\iota$  Her  
 HD 162732 – see 88 Her  
 HD 163296 – 357, 360, 365, 370, 371, 621  
 HD 163830 – 438  
 HD 163868 – 440  
 HD 163899 – 441, 442  
 HD 164284 – see 66 Oph  
 HD 164429 – 176, 177  
 HD 168607 – 519, 520  
 HD 168625 – 373, 374, 376, 519, 520  
 HD 170000 – see  $\phi$  Dra  
 HD 170582 – 528  
 HD 171247 – 176, 177  
 HD 175869 – 440, 441, 451, 452, 453  
 HD 176582 – 176, 177  
 HD 178175 – see V4024 Sgr  
 HD 180642 – see V1449 Aql  
 HD 181231 – 441, 452, 453  
 HD 181615 – 367, 368  
 HD 182180 – see HR 7355  
 HD 183656 – see V923 Aql  
 HD 186272 – see V341 Sge  
 HD 187811 – see 12 Vul  
 HD 189733 – 283  
 HD 190073 – 225  
 HD 191610 – see 28 Cyg  
 HD 191612 – 116, 152, 196, 220, 221, 626, 627  
 HD 193237 – see P Cyg  
 HD 195019 – 283  
 HD 196178 – 176  
 HD 197345 – see  $\alpha$  Cyg  
 HD 200775 – 317, 359, 361, 362, 393  
 HD 205021 – see  $\beta$  Cep  
 HD 206773 – 305, 317  
 HD 209008 – 567  
 HD 209409 – see  $\phi$  Aqr  
 HD 212076 – see 31 Peg  
 HD 214993 – see 12 Lac  
 HD 216916 – 567  
 HD 217050 – see EW Lac  
 HD 217543 – 440  
 HD 259431 – 361, 362, 367, 368, 405  
 HD 306657 – see NGC 3766 264  
 HD 308852 – 277  
 HD 316285 – 573  
 HD 328568 – see LP Ara  
 He 3-519 – 87, 88, 373  
 HESS J0632+057 – 581, 582, 586  
 Homonculus – 59, 60, 373, 374, 376, 378  
 h Per – 368  
 HR 21 – see  $\beta$  Cas  
 HR 472 – see  $\alpha$  Eri  
 HR 985 – see BK Cam  
 HR 1180 – see 28 Tau  
 HR 1906 – see HD 37150  
 HR 2949 – see HD 61556  
 HR 3982 – see  $\alpha$  Leo  
 HR 5907 – see HD 142184  
 HR 5953 – see  $\delta$  Sco  
 HR 6556 – see  $\alpha$  Oph  
 HR 6718 – see HD 164429  
 HR 6967 – see HD 171247  
 HR 7001 – see  $\alpha$  Lyr  
 HR 7185 – see HD 176582  
 HR 7224 – 517  
 HR 7249 – see V4024 Sgr  
 HR 7355 – 115, 130, 131, 133, 135, 152, 156, 166, 168, 169, 190, 191, 204, 205, 642  
 HR 7557 – see  $\alpha$  Aql  
 HR 7870 – see HD 196178  
 HR 8162 – see  $\alpha$  Cep  
 HR Car – 56, 57, 58, 60, 61, 373, 374, 375, 376, 377, 471, 472, 473, 648  
 HZ Cam – 317  
 IC 1590 – 369  
 IC 1613 – 237, 245, 248, 268, 270, 292, 293  
 IC 1613 V39 – 266, 268, 270, 292, 293  
 IC 1805 – 474, 479, 481  
 IC 1848 – 474, 479, 481  
 IC 2944 – 474, 479, 481  
 IQ Aur – 154  
 IRAS 00470+6429 – 384, 385  
 IRAS 02110+6212 – see VES 723  
 IRAS 07080+0605 – 413  
 IRAS 20090+3809 – 261  
 IRAS 21095+4726 – 262  
 IRAS 21263+4927 – 261  
 I Zw 18 – see Zw I 18  
 JW 660 – 209  
 KIC 6954726 – 451, 455

- KZ Pav – 490  
 LHA120-N 148B – 262  
 Lk H $\alpha$  198 – 357  
 LMC – 38, 39, 40, 41, 42, 43, 68, 80, 86,  
     147, 234, 235, 236, 243, 244, 248,  
     250, 254, 255, 256, 257, 258, 259,  
     260, 261, 262, 263, 266, 285, 286,  
     287, 294, 295, 296, 302, 303, 346,  
     373, 374, 375, 376, 497, 563, 564,  
     573, 644, 647  
 LMC 1 – 287  
 LMC 2 – 287  
 LMC 1 V2 – 287  
 LMC 2 V2 – 287  
 LMC SC8-125836 – 528  
 LMC SC9-125719 – see BI 108  
 LP Ara – 527, 528  
 LP Ori – 208, 209  
 LS 5039 – 581, 582, 583, 584, 585, 587,  
     588, 589, 590, 591, 592, 593, 648  
 LS I +61 303 – 525, 526, 581, 582, 584,  
     585, 588, 628, 629  
 M03 – 502  
 M31 – 237, 571, 574  
 M33 – 237, 571, 574, 610, 611  
 M82 – 307  
 MACHO-ID 79.5378.25 – see BI 108  
 MJ 99 – 609  
 MJ 126 – 609  
 MJ 181 – 609  
 MJ 184 – 609  
 MJ 218 – 609  
 MJ 224 – 609  
 MJ 289 – 609  
 MJ 327 – 609  
 MJ 427 – 609  
 MJ 449 – 608, 609  
 MJ 496 – 608, 609  
 MWC 19 – 305  
 MWC 142 – see FS CMa  
 MWC 148 – 581  
 MWC 297 – 365  
 MWC 314 – 422, 423, 519, 520  
 MWC 349 – 317, 378  
 MWC 349A – 393, 632, 633  
 MWC 361 – see HD 200775  
 MWC 485 – 261  
 MWC 623 – see V2028 Cyg  
 MWC 728 – 413  
 MWC 930 – 519, 520  
 MX Pup – 101, 102  
 Milky Way – 7, 38, 39, 42, 244, 248,  
     260, 261, 262, 263, 266, 271, 272,  
     300, 310, 373, 375, 376, 479, 505,  
     572, 616, 645  
 N 11 – 474, 478, 479  
 NGC 55 – 237  
 NGC 300 – 237  
 NGC 330 – 255, 474, 479, 480  
 NGC 346 – 474, 479  
 NGC 346 7 – 563  
 NGC 1624-2 – 220  
 NGC 2004 – 474, 479  
 NGC 2070 – see 30 Dor  
 NGC 2244 – 474, 479, 642  
 NGC 2244 201 – 97, 98  
 NGC 2366 – 266, 267, 268  
 NGC 2366 V1 – 268, 270  
 NGC 2439 – 276, 277  
 NGC 2439 070 – 277  
 NGC 2808 – 227  
 NGC 3109 – 237  
 NGC 3432 – 266, 267  
 NGC 3603-A1 – 497  
 NGC 3621 – 238  
 NGC 3766 – 276, 277, 290, 320, 368,  
     545, 546  
 NGC 3766 170 – 110  
 NGC 3766 232 – 277  
 NGC 3766 240 – see ALS 2401  
 NGC 3766 264 – 277  
 NGC 3766 94 – 110  
 NGC 4755 – 368  
 NGC 6087 – 277  
 NGC 6087 007 – 277  
 NGC 6087 009 – 277  
 NGC 6087 010 – 277  
 NGC 6087 011 – 277  
 NGC 6087 014 – 277  
 NGC 6087 156 – 277  
 NGC 6231 – 474, 479, 481, 622, 623  
 NGC 6543 – 374  
 NGC 6611 – 244, 474, 478, 479, 481  
 NGC 6752 – 229  
 NGC 6822 – 237  
 NU Ori – 97, 208, 209  
 NV Pup – 305  
 o Tau – see 114 Tau  
 OGLE 005209.92-731820.4 – 329  
 Orion nebula – 208, 595, 597, 642  
 OZ Nor – 393  
 P Car – 314  
 P Cyg – 216, 217, 283, 317, 337, 339,  
     340, 372, 373, 376, 378, 393, 519,  
     560, 573, 574, 578, 646, 648  
 Par 1772 – 97  
 Pistol Star – 373, 376, 573, 616, 617  
 Pleione – see 28 Tau  
 PSR B1259-63 – 581, 582, 583, 585,  
     586, 587, 588, 628, 629, 636, 637  
 PSR J0045-7319 – 582  
 PSR J1740-3052 – 582  
 PT Pup – 29, 30, 567  
 QR Sge – see WR 124

- QR Vul – 281  
 QY Car – 223  
 QZ Car – 609  
 R 4 – see AzV 16  
 R 40 – see AzV 415  
 R 71 – 373  
 R 84 – 373  
 R 127 – 373, 374, 375, 376, 377, 572  
 R 136 – 237, 238, 239, 297, 476, 497  
 R 136c – see BAT99-112  
 R 139 – 237  
 R 143 – 373, 376  
 R 712 – 471, 473  
 R 1273 – 471, 473  
 Rasalhague – see  $\alpha$  Oph  
 Regulus – see  $\alpha$  Leo  
 Rigel – see  $\beta$  Ori  
 RT Scl – 490  
 S 61 – 373, 376  
 S 119 – 373, 374, 376  
 S Dor – 373, 471, 473  
 SAX J2103.5+4545 – 505, 506  
 SC3-63371 – 551, 552  
 SC4-67145 – 551, 552  
 SGR 1806-20 – 606, 607  
 Sextans A – 237  
 Sher 25 – 373, 573  
 SK 190 – 42  
 Sk -69° 279 – 373, 374  
 SMC – 8, 38, 40, 41, 42, 43, 62, 68, 70,  
     86, 147, 234, 235, 236, 244, 248,  
     249, 250, 251, 254, 255, 256, 257,  
     258, 259, 266, 270, 272, 284, 285,  
     288, 289, 294, 295, 300, 301, 302,  
     303, 308, 309, 322, 464, 551, 552,  
     563, 564, 583, 644, 647  
 SN 2009ip – 576, 578  
 Spica – see  $\alpha$  Vir  
 SS 2883 – 636, 637  
 SS73 24 – 609  
 SV Cen – 490  
 SW Cyg – 490  
 Tr 14 – 351 474, 478, 479, 480, 538  
 Tr 16 – 474, 479, 538  
 Tr 16 64 – 609  
 TYC-5985-958-1 – 528  
 TYC-5978-472-1 – 528  
 U Cep – 490  
 U Sge – 490  
 UGC 2773-OT – 576, 577, 578  
 UGC 5340 – 265, 266, 267, 268, 270  
 UGCA 290 – 269  
 UGCA 292 – 265, 266, 269, 270  
 V341 Sge – 393  
 V356 Sgr – 490  
 V361 Lyr – 490  
 V393 Sco – 528  
 V407 Cyg – 581, 582  
 V659 Mon – 305  
 V725 Tau – 505, 618, 619  
 V742 Mon – see HD 50138  
 V767 Cen – 393  
 V777 Cas – 305  
 V817 Cen – 393  
 V836 Cen – 436, 646  
 V901 Ori – see HD 37776  
 V923 Aql – 321, 393  
 V1040 Sco – 281  
 V1093 Ori – 176  
 V1148 Ori – 176  
 V1150 Tau – 393  
 V1156 Ori – 176, 177  
 V1449 Aql – 196, 197, 437  
 V2028 Cyg – 405, 533  
 V2052 Oph – 116, 192, 193, 643  
 V4024 Sgr – 393  
 Vega – see  $\alpha$  Lyr  
 VES 723 – 261  
 VW Cep – 490  
 W Vir – 293  
 Wddeb – 515, 516  
 Wd13 – 515, 516  
 Wd36 – 515, 516  
 West 1 – 474, 479  
 WLM – 237  
 WR 22 – 608  
 WR 24 – 608  
 WR 25 – 608  
 WR 77o – 515, 516  
 WR 103 – 446  
 WR 104 – 402, 403  
 WR 110 – 447, 448  
 WR 111 – 446  
 WR 118 – 408, 409  
 WR 123 – 445, 446, 450, 647  
 WR 124 – 446, 447  
 WR 140 – 282, 283, 414, 501, 502, 630,  
     631  
 WRA 751 – 373, 374, 376, 377  
 XTE J0421+560 – 602  
 Zw I 18 – 265, 266, 267, 268, 270,  
     644

**Subject Index**

- accretion, accretion disks – 525  
 astrometry – 278  
 astronomical data bases: miscellaneous  
   – 284, 288, 310  
 binaries – 402, 531  
 binaries (including multiple): close –  
   480, 410, 474  
 binaries: eclipsing – 298, 497, 511, 515,  
   529, 610  
 binaries: general – 242, 278, 474, 486,  
   501, 533, 537, 602, 616, 636  
 binaries: spectroscopic – 296, 474, 497,  
   513, 521, 618, 638  
 binaries: visual – 474  
 catalogs – 254, 284, 310, 486  
 circumstellar matter – 95, 260, 290,  
   304, 382, 384, 386, 388, 390, 392,  
   396, 398, 412, 420, 424, 426, 571,  
   602, 610, 616, 620  
 convection – 32, 457, 468  
 galaxies: individual – 254, 292  
 galaxies: irregular – 265  
 galaxies: Magellanic Clouds – 302  
 galaxies: stellar content – 265  
 Galaxy: center – 298  
 Galaxy: stellar content – 233  
 gamma rays: bursts – 242  
 gamma rays: observations – 300, 581  
 gamma rays: theory – 531, 581, 628,  
   636  
 globular clusters: general – 227  
 hydrodynamics – 32, 148, 194, 402, 554,  
   614, 630  
 infrared: stars – 254, 260, 298, 366, 404,  
   412  
 instabilities – 468, 554, 571  
 instrumentation: high angular resolu-  
   tion – 278  
 instrumentation: polarimeters – 186,  
   188, 202  
 instrumentation: spectrographs – 265,  
   282  
 line: formation – 214, 348, 554  
 line: profiles – 89, 200, 380, 398, 414,  
   418, 513  
 Magellanic Clouds – 85, 233, 300  
 magnetic fields – 222  
 magnetohydrodynamics: MHD – 148,  
   160, 178  
 methods: n-body simulations – 227  
 methods: numerical – 216, 394, 402, 638  
 methods: statistical – 288  
 novae, cataclysmic variables – 602  
 open clusters and associations: general  
   – 606  
 open clusters and associations: individ-  
   ual – 296, 298, 474, 515, 545  
 plasmas – 160, 638  
 polarization – 166, 216, 394, 420  
 pulsars: general – 581  
 radiation mechanisms: nonthermal –  
   581, 638  
 radiative transfer – 214, 216, 394, 396,  
   398, 426  
 radio continuum: stars – 306  
 scattering – 216  
 shock waves – 348  
 stars: abundances – 26, 79, 85, 97, 101,  
   227, 242, 535, 554, 566  
 stars: activity – 1, 26, 32, 212, 280, 284,  
   342, 354, 384, 398, 513  
 stars: atmospheres – 26, 32, 56, 85, 166,  
   192, 292, 503, 517, 549, 566  
 stars: binaries – 1, 210, 527, 539, 541  
 stars: binaries: general – 543  
 stars: chemically peculiar – 166, 176,  
   202, 517  
 stars: circumstellar matter – 1, 99, 124,  
   176, 204, 354, 372, 400, 430  
 stars: distances – 276  
 stars: early-type – 1, 14, 26, 38, 83, 87,  
   89, 97, 106, 118, 124, 130, 136, 148,  
   172, 176, 180, 182, 192, 196, 198,  
   200, 204, 206, 208, 210, 216, 224,  
   233, 254, 260, 265, 286, 292, 296,  
   302, 308, 310, 313, 354, 366, 386,  
   404, 412, 414, 433, 474, 515, 527,  
   529, 539, 541, 543, 549, 554, 566,  
   608, 612, 614, 616, 622, 624, 626,  
   638, 642  
 stars: emission-line – 56, 148, 176,  
   224, 354, 519, 523, 533, 604, 606,  
   626  
 stars: emission-line, Be – 1, 62, 79, 83,  
   85, 89, 95, 101, 182, 222, 242, 254,  
   276, 280, 282, 284, 290, 304, 308,  
   313, 337, 366, 380, 382, 384, 390,  
   392, 394, 396, 398, 404, 406, 416,  
   418, 422, 424, 426, 428, 430, 433,  
   451, 505, 507, 525, 531, 545, 547,  
   551, 618, 620, 624, 628, 634, 636,  
   640

- stars: evolution – 26, 32, 38, 62, 73, 79, 85, 91, 93, 99, 101, 118, 160, 227, 242, 265, 274, 306, 366, 404, 457, 486, 531, 554, 571, 640
- stars: formation – 118, 242, 354
- stars: fundamental parameters – 44, 89, 97, 233, 274, 276, 292, 296, 486, 497, 501, 515, 521, 523, 539, 547, 566, 620
- stars: general – 73
- stars: imaging – 44, 313
- stars: individual – 97, 124, 166, 176, 180, 182, 188, 190, 192, 196, 204, 206, 216, 220, 342, 380, 388, 402, 408, 410, 414, 420, 422, 505, 511, 519, 521, 523, 525, 533, 604, 612, 618, 624, 626, 628, 630
- stars: interiors – 14, 457, 642
- stars: kinematics – 196
- stars: magnetic fields – 1, 14, 26, 32, 97, 106, 118, 124, 130, 148, 160, 166, 172, 176, 178, 180, 182, 186, 188, 190, 192, 194, 196, 198, 202, 204, 206, 208, 210, 212, 220, 224, 242, 428, 642
- stars: mass loss – 1, 62, 91, 93, 136, 148, 172, 184, 194, 216, 227, 292, 302, 306, 313, 342, 410, 430, 486, 503, 554, 571, 600, 616, 640, 642
- stars: neutron – 198
- stars: oscillations – 1, 196, 218, 242, 416, 433, 445, 451, 457, 468, 503, 505, 507, 509, 513, 535, 543, 545, 549, 554, 602, 642
- stars: pre-main-sequence – 354, 366, 404, 608
- stars: rotation – 1, 14, 38, 44, 56, 62, 73, 79, 83, 85, 89, 91, 93, 95, 99, 101, 103, 124, 148, 160, 180, 188, 192, 196, 204, 242, 274, 300, 313, 457, 507, 509, 531, 535, 549, 554, 640, 642
- stars: spots – 32, 517
- stars: statistics – 486
- stars: supergiants – 184, 186, 400
- stars: supernovae: general – 300
- stars: variables: Cepheids – 537
- stars: variables: other – 87, 200, 212, 265, 284, 286, 288, 298, 308, 372, 433, 457, 486, 517, 519, 551, 604
- stars: winds, outflows – 32, 62, 83, 87, 118, 136, 148, 182, 184, 192, 200, 212, 214, 216, 218, 265, 290, 313, 348, 384, 402, 406, 408, 410, 414, 428, 445, 499, 501, 525, 551, 554, 571, 581, 614, 628, 638
- stars: Wolf-Rayet – 298, 408, 445, 497, 499, 501, 511, 515
- stellar dynamics – 227
- supergiants – 265, 468, 549
- supernovae: general – 571
- surveys – 242, 280, 290
- techniques: high angular resolution – 342, 406, 408, 410, 418
- techniques: interferometric – 44, 56, 103, 313, 337, 382, 390, 408, 410, 424, 634
- techniques: photometric – 286, 313, 634
- techniques: polarimetric – 106, 118, 124, 192, 196, 204, 206, 208, 216, 313
- techniques: spectroscopic – 103, 186, 188, 190, 220, 280, 290, 310, 313
- turbulence – 457
- ultraviolet: stars – 38, 136, 206, 600
- waves – 32
- X-rays: binaries – 505, 581, 608, 630
- X-rays: stars – 194, 208, 348, 428, 608, 612, 614, 622, 624, 626