

Suzanne Aigrain: Refereed publications

1. *Bayesian detection of planetary transits: A modified version of the Gregory-Loredo method for periodic signal detection*,
S. Aigrain & F. Favata,
Astronomy & Astrophysics, 395, 625 (2002)
2. *The photospheric abundances of active binaries - I: Detailed analysis of HD 113816 (IS Vir) and HD 119285 (V851 Cen)*,
D. Katz, F. Favata, **S. Aigrain** & G. Micela,
Astronomy & Astrophysics, 397, 747 (2003)
3. *Detecting planetary transits in the presence of stellar variability: Optimal filtering and the use of colour information*,
S. Carpano, **S. Aigrain** & F. Favata,
Astronomy & Astrophysics, 401, 743 (2003)
4. *Characterising stellar micro-variability for planetary transit searches*,
S. Aigrain, F. Favata & G. Gilmore,
Astronomy & Astrophysics, 414, 1139 (2004)
5. *Practical planet prospecting*,
S. Aigrain & M. Irwin,
Monthly Notices of the Royal Astronomical Society, 350, 331 (2004)
6. *Comparative blind test of five planetary transit detection algorithms on realistic synthetic light curves*,
C. Moutou, F. Pont, P. Barge, **S. Aigrain**, M. Auvergne, D. Blouin, R. Cautain, A. R. Erikson, V. Guis, P. Guterman, M. Irwin, A. F. Lanza, D. Queloz, H. Rauer, H. Voss & S. Zucker,
Astronomy & Astrophysics, 437, 355 (2005)
7. *The Monitor project: rotation of low mass stars in the open cluster M34*,
J. M. Irwin, **S. Aigrain**, S. T. Hogkin, M. J. Irwin, J. Bouvier, C. Clarke, L. Hebb & E. Moraux,
Monthly Notices of the Royal Astronomical Society, 370, 954 (2006)
8. *The Monitor project: Searching for occultations in young open clusters*,
S. Aigrain, S. T. Hogkin, J. M. Irwin, L. Hebb, M. J. Irwin, F. Favata, E. Moraux & F. Pont,
Monthly Notices of the Royal Astronomical Society, 375, 29 (2007)
9. *WASP-1b and WASP-2b: Two new transiting exoplanets detected with SuperWASP and SOPHIE*,
A. Collier Cameron, F. Bouchy, G. Hebrard, P. Maxted, D. Pollacco, F. Pont, I. Skillen, B. Smalley, R. A. Street, R. R. West, D. M. Wilson, **S. Aigrain**, D. J. Christian, W. I. Clarkson, B. Enoch, A. Evans, A. Fitzsimmons, M. Fleenor, M. Gillon, C. A. Haswell, L. Hebb, C. Hellier, S. T. Hodgkin, K. Horne, J. M. Irwin, S. R. Kane, F. P. Keenan, B. Loeillet, T. A. Lister, M. Mayor, C. Moutou, A. J. Norton, J. Osborne, N. Parley, D. Queloz, R. Ryans, A. H. M. J. Triaud, S. Udry & P. J. Wheatley,
Monthly Notices of the Royal Astronomical Society, 375, 951 (2007)
10. *The Monitor project: Data processing & light curve production*
J. M. Irwin, M. J. Irwin, **S. Aigrain**, S. T. Hogkin, L. Hebb & E. Moraux,
Monthly Notices of the Royal Astronomical Society, 375, 1449 (2007)
11. *The Monitor project: rotation of low mass stars in the open cluster NGC 2516*,
J. M. Irwin, S. T. Hogkin, **S. Aigrain**, L. Hebb, J. Bouvier, C. Clarke, E. Moraux & D. M. Bramich,
Monthly Notices of the Royal Astronomical Society, 377, 741 (2007)
12. *On the potential of cluster transit searches: the impact of red noise and radial velocity follow-up*
S. Aigrain & F. Pont,
Monthly Notices of the Royal Astronomical Society, 378, 741 (2007)

13. *The Monitor project: a 0.26, 0.15 $M_{\odot}$ pre-main sequence eclipsing binary in the Orion Nebula Cluster*,
J. M. Irwin, **S. Aigrain**, S. T. Hogkin, K. G. Stassun, L. Hebb, M. Irwin, E. Moraux, J. Bouvier, A. Alapini,
R. Alexander, D. M. Bramich, J. Holzmann, E. L. Martin, M. J. McCaughrean, F. Pont, P. E. Verrier &
M. R. Zapatero Osorio,
Monthly Notices of the Royal Astronomical Society, 380, 541 (2007)
14. *Efficient identification of exoplanetary transit candidates from SuperWASP light curves*,
A. Collier Cameron, D. M. Wilson, R. G. West, L. Hebb, X.-B. Wang, **S. Aigrain**, F. Bouchy, D. J. Christian,
W. I. Clarkson, B. Enoch, M. Esposito, E. Guenther, C. A. Haswell, G. Hébrard, C. Hellier, K. Horne, J.
Irwin, S. R. Kane, B. Loeillet, T. A. Lister, P. Maxted, M. Mayor, C. Moutou, N. Parley, D. Pollacco, F.
Pont, D. Queloz, R. Ryans, I. Skillen, R. A. Street, S. Udry & P. J. Wheatley
Monthly Notices of the Royal Astronomical Society, 380, 1230 (2007)
15. *The Monitor project: rotation of low mass stars in the open cluster NGC 2547*,
J. M. Irwin, S. T. Hogkin, **S. Aigrain**, J. Bouvier, C. Clarke, L. Hebb & E. Moraux,
Monthly Notices of the Royal Astronomical Society, 383, 1588 (2008)
16. *The Monitor project: rotation of low mass stars in NGC 2362: Testing the disc regulation paradigm at 5 Myr*,
J. M. Irwin, S. T. Hogkin, **S. Aigrain**, L. Hebb, J. Bouvier, L. Hebb, M. Irwin & E. Moraux,
Monthly Notices of the Royal Astronomical Society, in press (2008)
17. *WASP-3b: a strongly-irradiated transiting gas-giant planet*,
D. Pollacco, I. Skillen, A. Collier Cameron, B. Loeillet, H. C. Stempels, F. Bouchy, N. P. Gibson, L. Hebb,
G. Hébrard, Y. C. Joshi, I. McDonald, B. Smalley, A. M. S. Smith, R. A. Street, S. Udry, R. G. West, D. M.
Wilson, P. J. Wheatley, **S. Aigrain**, C. R. Benn, V. A. Bruce, D. J. Christian, W. I. Clarkson, B. Enoch, A.
Evans, A. Fitzsimmons, C. A. Haswell, C. Hellier, S. Hickey, S. T. Hodgkin, K. Horne, M. Hrudkova, J.
Irwin, S. R. Kane, F. P. Keenan, T. A. Lister, P. Maxted, M. Mayor, C. Moutou, A. J. Norton, J. P. Osborne,
N. Parley, F. Pont, D. Queloz, R. Ryans & E. Simpson,
Monthly Notices of the Royal Astronomical Society, in press (2008)
18. *The Monitor project: the search for transits in the open cluster NGC 2362*,
A. Miller, J. M. Irwin, **S. Aigrain**, S. T. Hogkin, & L. Hebb,
Monthly Notices of the Royal Astronomical Society, submitted
19. *Transiting exoplanets from the CoRoT space mission I - CoRoT-Exo-1b: a low-density short-period planet around a G0V star*,
P. Barge, A. Baglin, M. Auvergne, H. Rauer, A. Léger, J. Schneider, F. Pont, **S. Aigrain**, S., R. Alonso, M.
Barbieri, P. Bordé, F. Bouchy, H. Deeg, R. De la Reza, M. Deleuil, R. , Dvorak, A. Erikson, M. Fridlund,
P. Gondoin, T. Guillot, A. Hatzes, L. Jorda, P. Kabath, H. Lammer, A. Llebaria, B. Loeillet, P. Magain, T.
Mazeh, C. Moutou, M. Ollivier, M. Pätzold, D. Queloz, D. Rouan, A. Shporer & G. Wüchterl,
Astronomy & Astrophysics Letters, submitted
20. *Transiting exoplanets from the CoRoT space mission II - CoRoT-Exo-2b: A transiting planet around an active G star*,
R. Alonso, M. Auvergne, A. Baglin, M. Ollivier, C. Moutou, D. Rouan, H. Deeg, H., **S. Aigrain**, S., J. M.
Almenara, M. Barbieri, P. Barge, P. Bordé, F. Bouchy, R. De la Reza, M. Deleuil, R. , Dvorak, A. Erikson,
M. Fridlund, M. Gillon, P. Gondoin, T. Guillot, A. Hatzes, G. Hébrard, L. Jorda, P. Kabath, H. Lammer,
A. Léger, A. Llebaria, B. Loeillet, P. Magain, T. Mazeh, M. Pätzold, F. Pont, D. Queloz, H. Rauer, A.
Shporer, J. Schneider, B. Stecklum & G. Wüchterl,
Astronomy & Astrophysics Letters, submitted
21. *Transiting exoplanets from the CoRoT space mission III - The spectroscopic transit of CoRoT-Exo-2b with SOPHIE and HARPS*,
F. Bouchy, D. Queloz, M. Deleuil, B. Loeillet, A. Hatzes, **S. Aigrain**, S., R. Alonso, M. Auvergne, A.
Baglin, P. Barge, P. Bordé, H. Deeg, R. De la Reza, R. , Dvorak, A. Erikson, M. Fridlund, P. Gondoin, T.
Guillot, G. Hébrard, L. Jorda, H. Lammer, A. Llebaria, P. Magain, M. Mayor, C. Moutou, M. Ollivier, M.

Pätzold, F. Pepe, F. Pont, H. Rauer, D. Rouan, J. Schneider, A. H.; M. J. Triaud, S. Udry & G. Wüchterl...
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Astronomy & Astrophysics Letters, submitted