

# Antonio Bello-Garca

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24  
papers

4,671  
citations

10  
h-index

24  
g-index

24  
ext. papers

5,646  
ext. citations

4.2  
avg, IF

3.16  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 24 | TheGaia mission. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A1   | 5.1  | 2933      |
| 23 | Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , <b>2016</b> , 595, A2   | 5.1  | 1364      |
| 22 | Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 601, A19  | 5.1  | 71        |
| 21 | Gaia Data Release 1. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 605, A79  | 5.1  | 64        |
| 20 | Design optimization of 3D steel structures: Genetic algorithms vs. classical techniques. <i>Journal of Constructional Steel Research</i> , <b>2006</b> , 62, 1303-1309   | 3.8  | 48        |
| 19 | Estimating intercept factor of a parabolic solar trough collector with new supporting structure using off-the-shelf photogrammetric equipment. <i>Applied Energy</i> , <b>2012</b> , 92, 815-821                                     | 10.7 | 39        |
| 18 | A modified elitist genetic algorithm applied to the design optimization of complex steel structures. <i>Journal of Constructional Steel Research</i> , <b>2005</b> , 61, 265-280   | 3.8  | 36        |
| 17 | Improved variability classification of CoRoT targets with Giraffe spectra. <i>Astronomy and Astrophysics</i> , <b>2013</b> , 550, A120   | 5.1  | 15        |
| 16 | Computer simulation of the laminar nozzle flow of a non-Newtonian fluid in a rubber extrusion process by the finite volume method and experimental comparison. <i>Journal of Non-Crystalline Solids</i> , <b>2007</b> , 353, 981-983 | 3.9  | 15        |
| 15 | Intelligent methods helping the design of a manufacturing system for die extrusion rubbers. <i>International Journal of Computer Integrated Manufacturing</i> , <b>2003</b> , 16, 173-180  | 4.3  | 12        |
| 14 | Estimates of the atmospheric parameters of M-type stars: a machine-learning perspective. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 1120-1139   | 4.3  | 10        |
| 13 | Finite volume modeling of the non-isothermal flow of a non-Newtonian fluid in a rubber extrusion die. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 5334-5336  | 3.9  | 10        |
| 12 | The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 642, A22   | 5.1  | 10        |
| 11 | Finite element analysis of the hyper-elastic contact problem in automotive door sealing. <i>Journal of Non-Crystalline Solids</i> , <b>2008</b> , 354, 5331-5333   | 3.9  | 9         |
| 10 | Non-linear analysis of the consolidation of an elastic saturated soil with incompressible fluid and variable permeability by FEM. <i>Applied Mathematics and Computation</i> , <b>2010</b> , 216, 458-476                            | 2.7  | 7         |
| 9  | Detection of human vital signs in hazardous environments by means of video magnification. <i>PLoS ONE</i> , <b>2018</b> , 13, e0195290   | 3.7  | 6         |
| 8  | Optimization of steel structures with one genetic algorithm according to three international building codes <b>2018</b> , 47-59  |      | 5         |

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|---|---|-----|---|
| 7 | Validating The Supporting Structure of A Parabolic Solar Collector Using Close Range Photogrammetry. <i>Photogrammetric Record</i> , <b>2013</b> , 28, 211-226  | 1.7 | 4 |
| 6 | Aprendizaje interactivo mediante programa de análisis estructural avanzado. <i>Journal of Constructional Steel Research</i> , <b>1998</b> , 46, 273-274   | 3.8 | 4 |
| 5 | Evaluation of data compression techniques for the inference of stellar atmospheric parameters from high-resolution spectra. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 4556-4571 | 4.3 | 3 |
| 4 | Indicator Proposal for Measuring Regional Political Support for the Electoral Process on Twitter: The Case of Spain 2015 and 2016 General Elections. <i>IEEE Access</i> , <b>2019</b> , 7, 62545-62560              | 3.5 | 3 |
| 3 | Metallicities in M dwarfs: Investigating different determination techniques. <i>Astronomy and Astrophysics</i> ,  | 5.1 | 2 |
| 2 | Mathematical modelling and study of the consolidation of an elastic saturated soil with an incompressible fluid by FEM. <i>Mathematical and Computer Modelling</i> , <b>2009</b> , 49, 2002-2018                    |     | 1 |
| 1 | A simulation method to estimate closing forces in car-sealing rubber elements. <i>International Journal of Vehicle Design</i> , <b>2012</b> , 59, 249   | 2.4 | 0 |