- **Aller, J. & Gallastegui, J. (1994):** *Analysis of kilometric-scale superposed folding in the Central Coal Basin (Cantabrian zone, NW Spain).* Journal of Structural Geology, 17: 961-969.

- **Aller, J., Bobillo-Ares, N.C., Bastida, F. & Lisle, R.J. (2008):** *Total bulk strain in flattened parallel folds* Journal of Structural Geology, 30, 827-838.

- **Aller, J., Bobillo-Ares, N.C., Bastida, F., Lisle, R.J. & Menéndez, C.O. (2010)**: *Kinematic analysis of asymmetric folds in competent layers using mathematical modeling.* Journal of Structural Geology, 32, 1170-1184.

- **Aller, J.; Bastida, F.; Lisle, R. J. & Ramsay, J. G. (2010):** *Photograph of the Month: Flexural slip folding of foresets in cross-bedded sandstones.* Journal of Structural Geology, 32, 725-726.

- **Aller, J.; Bastida, F.; Toimil, N.C. & Bobillo-Ares, N.C. (2004):** *The use of conic sections for the geometrical analysis of folded surface profiles.* Tectonophysics, 379, 239-254

- **Bastida, F. (1993):** *A new method for the geometrical classification of large data sets of folds.* Journal of Structural Geology, 15: 69-78

- **Bastida, F.; Aller, J. & Bobillo-Ares, N.C. (1999):** *Geometrical analysis of folded surfaces using simple functions.* Journal of Structural Geology, 21: 729-742

- **Bastida, F.; Aller, J. Bobillo-Ares, N.C; & Toimil, N.C. (2005):** *Fold geometry: a basis for their kinematical analysis.* Earth-Science Reviews, 70: 129-164

- **Bastida, F.; Aller, J. ; Fernández, F.J.; Lisle, R.J.; Bobillo-Ares, N.C. & Menéndez, C.O. (2014):** *Recumbent folds: key structural elements in orogenic belts.* Earth-Science Reviews, 13: 162-183

- **Bastida, F., Aller, J., Lisle, R.J., Bobillo-Ares, N.C. & Menéndez,.O. (2012):** *Saw-toothstructures and curved veins related to folds in the south-central Pyrenees (Spain).* Journal of Structural Geology, 34, 43-53.

- **Bastida, F., Aller, J., Pulgar, J. A., Toimil, N. C., Fernández, F. J., Bobillo-Ares, N. C. & Menéndez, C. O. (2010)**: *Folding in orogens: a case study in the northern Iberian Variscan Belt*. Geological Journal, 45, 597-622.

- **Bastida F.; Aller, J.; Toimil, N.C. & Bobillo-Ares, N.C. (2004):** *La cinemática del plegamiento: algunas claves geométricas para su interpretación.* Trabajos de Geología, 24: 9-41

- **Bastida F.; Aller, J.; Toimil, N.C.; Lisle, R.J. & Bobillo-Ares, N.C. (2007):** *Some considerations on the kinematics of chevron folds* Journal of Structural Geology, 29, 1185-1200

- **Bastida, F.; Bobillo-Ares, N.C; Aller, J. & Toimil, N.C. (2003):** *Analysis of folding by superposition of strain patterns.* Journal of Structural Geology, 25: 1121-1139

- **Bastida, F.; Aller, J,; Lisle, R.J.; Bobillo-Ares, N.C. & Menéndez, C.O. (2012):** *Saw-tooth structures and curved veins related to folds in the south-central Pyrenees (Spain)*. Journal of Structural Geology, 34, 43-53.

- **Bastida, F., Aller, J., Fernández, F.J., Lisle, R. J., Bobillo-Ares, N.C. & Menéndez, O. (2014)**: *Recumbent folds: key structural elements in orogenic belts. Earth Science Reviews.*

- **Bobillo-Ares, N.C.; Aller, J.; Bastida, F.; Menéndez, O. & Lisle, R.J. (in press, 2015):** *StrainModeler: A MATHEMATICATM -based program for 3D analysis of finite and progressive strain.* Computers & Geosciences. [Versión online, DOI](#)

- **Bobillo-Ares, N.C.; Aller, J.; Bastida, F.; Lisle, R.J. & Toimil, N.C., (2006):** *The problem of area*

change in tangential longitudinal strain folding. Journal of Structural Geology, *28*, 1835-1848

- **Bobillo-Ares, N.C.; Aller, J.; Toimil, N.C. & Bastida , F. (2004):** *FoldModeler: a tool for the geometrical and kinematical analysis of folds.* Computers & Geosciences, 30: 147-159

- **Bobillo-Ares, N.C.; Bastida, F. & Aller , J. (2000):** *On tangential longitudinal strain folding.* Tectonophysics, 319: 53-68

- **Bobillo-Ares, N.C., Bastida F., Aller, J. & Lisle, R.J. (2009):** *An approach to folding kinematics from the analysis of folded oblique surfaces.* Journal of Structural Geology, 31, 842-852.

- **Bulnes, M. & Aller, J. (2002):** *Three-dimensional geometry of large-scale fault-propagation folds in the Cantabrian Zone, NW Iberian Peninsula.* Journal of Structural Geology, 24: 827-846

- **Bulnes, M. & Marcos, A. (2001):** *Internal structure and kinematics of Variscan thrust sheets in the valley of the Trubia River (Cantabrian Zone, NW Spain): regional tectonic implications.* International Journal of Earth Sciences (Geologische Rundschau), 90 (2), 287-303

- **Bulnes, M. & McClay, K. (1998):** *Structural analysis of the inverted central South Celtic Sea Basin.* Marine and Petroleum Geology, 15, 667-687

- **Bulnes, M. & McClay, K. (1999):** *Benefits and limitations of different 2D algorithms used in cross-section restoration of inverted extensional faults: application to physical experiments.* Tectonophysics, 312 (2-4): 175-189

- **Bulnes, M. & Poblet, J. (1998):** *Detachment folds with fixed hinges and variable detachment depth, northeastern Brooks Range, Alaska: discussion.* Journal of Structural Geology, 20(11): 1587-1590

- **Bulnes, M. & Poblet, J. (1999):** *Estimating the detachment depth in cross sections involving detachment folds.* Geological Magazine, 136: 395-412

- **Di Francesco, J.; Fabbi, S.; Sanantonio, M.; Poblet, J. & Bigi, S. (2009):** *Sequential restoration of Montagna dei Fiori fault-related fold (Central Apennines, Italy) using combined kinematic models.* Trabajos de Geología, 29: 223-233

- **Di Francesco, L.; Fabbi, S.; Santantonio, M.; Bigi, S. & Poblet, J. (2010):** *Contribution of different kinematic models and a complex Jurassic stratigraphy in the construction of a forward model for the Montagna dei Fiori fault-related fold (Central Apennines, Italy).* Geological Journal, 45(5-6): 489-505.

- **Fernández-Martínez, J.L. & Lisle, R.J. (2008):** *GenLab: a MATLAB - based program for structural analysis of folds.* Computer & Geosciences, 35, 317-326.

- **Fernández, F.J.; Aller, J. & Bastida, F. (2007):** *Kinematics of a kilometric recumbent fold: the Courel syncline (Iberian massif, NW Spain).* Journal of Structural Geology, 29, 1650-1664

- **Fernández, F.J; Menéndez-Duarte, R.; Aller, J. & Bastida, F. (2005):** *Aplication of geographical information system to shape-fabric analysis. In: High-strain zones: Structure and Physical Properties, (D. Bruhn and L. Burlini, Eds.).* Geological Society Special Publication, 245, 409-420.

- **Fernández, F.J; Rutter, E.H.; Prior, D. & García-Cuevas, C. (2011):** *Análisis e interpretación de fábricas tectónicas en rocas carbonatadas cálcicas.*. Revista de la Sociedad Geológica de España, 24 (1-2): 9-30

- **Gutiérrez-Medina, M.; Poblet, J.; Pedreira, D. & López-Fernández, C. (in press):** *International Meeting of Young Researchers in Structural Geology and Tectonics (YORSGET-08): Introduction.* Trabajos de Geología, 29.

- **Hardy, S. & Poblet, J. (1994):** *Geometric and numerical model of progressive limb rotation in detachment folds.* Geology, 22: 371-374

- **Hardy, S. & Poblet, J. (1995):** *The velocity description of deformation. Paper 2: Sediment geometries associated with fault-bend folding and fault-propagation folds.* Marine and Petroleum Geology, 12: 165-176

- **Hardy, S. & Poblet, J. (2005):** *A method for relating fault geometry, slip rate and uplift data above fault-propagation folds.* Basin Research, 17(3): 417-424 (doi:10.1111/j.1365-2117.2005.00268.x)

- **Lisle, R.J. & Fernández Martínez, J.L. (2006):** *Structural analysis of seismically mapped horizons using the developable surface model.* AAPG Bulletin, 89, 839-848.

- **Lisle, R. & Poblet, J. (2010):** *Preface: structural analysis of fold-and-thust belts.* Geological Journal, 45(5-6): 487-488.

- **Lisle, R. J. & Toimil N. (2007):** *Defining folds on three-dimensional surfaces.* Geology 35 (6), 519-522.

- **Lisle, R.J., Aller, J., Bastida, F., Bobillo-Ares, N.C. & Toimil, N.C. (2009) :** *Volumetric strains in neutral surface folding.* Terra Nova, 21, 14-20.

- **Lisle, R.J.; Fernández Martínez, J.L.; Bobillo-Ares, N.C.; Menéndez, O.; Aller, J. & Bastida, F., (2006):** *A MATLAB$^{©}$ based program for fold shape classification.* Computers & Geosciences, 32, 103-108

- **Lisle, R.J.; Fernández Martínez, J.L.; Bobillo-Ares, N.C; Menéndez, O.; Aller, J. & Bastida, F. (2006):** *FOLD PROFILER: a Matlab-based program for fold shape classification.* Computers & Geosciences, 29 : 102-108

- **Lisle, R., Toimil N., Aller, J., Bobillo-Ares, N.C. & Bastida F. (2010):** *The hinge lines of non-cylindrical Fonds.* Journal of Structural Geology, 32, 166-171.

- **Llana-Fúnez, S., Marcos, A. & Bastida, F. (2014):** *Deformation structures and processes within the continental crust: an introduction.* Special Publications of the Geological Society of London, 394: 1-6

- **Martín, S.; Uzkeda, H.; Poblet, J.; Bulnes, M. & Rubio, R. (2013):** *Construction of acurate geological cross-sections along trenches, cliffs and mountain slopes using photogrammetry*. Computers & Geosciences, 51: 90-100.

- **Masaferro, J.L.; Bulnes, M.; Poblet, J. & Casson, N. (2003):** *Kinematic evolution and fracture prediction of the Valle Morado structure inferred from 3-D seismic data, Salta province, northwest Argentina.* American Association of Petroleum Geologists Bulletin, 87(7): 1083-1104

- **Masaferro, J.L.; Bulnes, M.; Poblet, J. & Eberli, G.P. (2002):** *Episodic fold uplift inferred from the geometry of syntectonic carbonate sedimentation: the Santaren anticline, Bahamas foreland.* Sedimentary Geology, 146(1/2): 11-24

- **Masaferro, J.L.; Poblet, J.; Bulnes, M.; Eberli, G.P.; Dixon, T.H. & McClay, K. (1999):** *Paleogene-Neogene/present day (?)growth folding in the Bahamian foreland of the Cuban fold and thrust belt.* Journal of the Geological Society, 156: 617-631

- **Masini, M.; Bulnes, M. & Poblet, J. (2010):** *Cross-section restoration: a tool to simulate deformation. Application to a fault-propagation fold from the Cantabrian fold and thrust belt, NW Iberian Peninsula.* Journal of Structural Geology, 32: 172-183.

- **Masini, M.; Poblet, J. & Bulnes, M. (2010):** *Structural análisis and deformation architecture of a fault-propagation fold in the southern Cantabrian Mountains, NW Iberian Peninsula.* Trabajos de Geología, 30 : 55-62

- **Massini, M.; Bigi, S.; Poblet, J.; Bulnes, M.; Di Cuia, R. & Casabianca, D. (2011):** *Kinematic evolution and strain simulation, based on cross section restoration, of the Maiella Mountain: an analogue for oil fields in the Apennines (Italy).* In: **Poblet, J. & Lisle, R. (eds.):** *Kinematic evolution and structural styles of fold-and-thrust belts.* Geological Society Special Publication, 349: 25-44.

- **McClay, K.; Dooley, T.; Ferguson, A. & Poblet, J. (2000):** *Tectonic evolution of the Sanga Sanga Block, Mahakam delta, Kalimantan, Indonesia.* American Association of Petroleum Geologists Bulletin, 84(6): 765-786

- **Muñoz, J.A.; McClay, K. & Poblet, J. (1994):** *Synchronous extension and contraction in frontal thrust sheets of the Spanish Pyrenees.* Geology, 22: 921-924

- **Muñoz, J.A., Beamud, E., Fernández, O., Arbuées, P., Dinarés.Turrel, J. & Poblet, J. (2013)**: *The Ainsa Fold and thrust oblique zone of the central Pyrenees: Kinematics of a curved contractional system from paleomagnetic and structural data*. Tectonics, 32: 1142-1175.

- **Poblet, J. (2004):** *Geometría y cinemática de pliegues relacionados con cabalgamientos.* Trabajos de Geología, 24: 127-146

- **Poblet, J. (2012):** *Chapter 27 - 2D kinematic models of growth fault-related folds in contractional settings.* In: **Busby, C. & Azor, A. (eds.):** *Tectonics of sedimentary basins: recent advances.* Blackwell Publishing Ltd., Chichester (UK): 538-564.

- **Poblet, J. & Bulnes, M. (2005):** *Fault-slip, bed-length and area variations in experimental rollover anticlines over listric normal faults: influence in extension and depth to detachment estimations.* Tectonophysics, 396: 97-117

- **Poblet, J. & Bulnes, M. (2005):** *Estimating extension and depth to detachment in simple rollover anticlines over listric normal faults.* Trabajos de Geología, 25, 85-102

- **Poblet, J. & Bulnes, M. (2007):** *Predicting strain using forward modelling of restored cross sections: application to rollover anticlines over listric normal faults* Journal of Structural Geology, 29: 1960-1970

- **Poblet, J. & Hardy, S. (1995):** *Reverse modelling of detachment folds; application to the Pico del Aguila anticline in the South Central Pyrenees (Spain).* Journal of Structural Geology, 17: 1707-1724

- **Poblet, J & Lisle, R. (2011):** *Structural styles and kinematic evolution of fold-and-thrust belts.* In: **Poblet, J. & Lisle, R. (eds.):** *Kinematic evolution and structural styles of fold-and-thrust belts.* Geological Society Special Publication, 349: 1-24.

- **Poblet, J. & McClay, K. (1996):** *Geometry and kinematics of single-layer detachment folds.* American Association of Petroleum Geologists Bulletin, 80(7): 1085-1109

- **Poblet, J.; Bulnes, M.; McClay, K.; & Hardy, S. (2004):** *Plots of crestal structural relief and fold area versus shortening: a graphical technique to unravel the kinematics of thrust-related folds.* In: McClay, K. (ed.): Thrust tectonics and hydrocarbon systems. American Association of Petroleum Geologists Memoir, 82: 372-399

- **Poblet, J.; Bulnes, M.; McClay, K.; Storti, F. & Muñoz, J.A. (1997):** *Geometries of syntectonic sediments associated with single-layer detachment folds.* Journal of Structural Geology, 19(3-4): 369-381

- **Poblet, J.; Muñoz, J.A.; Trave, A. & Serra-Kiel, J. (1998):** *Quantifying the kinematics of detachment folds using the 3D geometry: application to the Mediano anticline (Pyrenees, Spain).* Geological Society of America Bulletin, 110(1): 111-125

- **Seggiaro, R.E.; Bulnes, M.; Poblet, J.; Aguilera, N.G.; Rodríguez-Fernandez, L.R.; Heredia, N. & Alonso, J.L. (2010):** *Paleozoic to present-day kinematic evolution of the frontal part of the Andes between parallels 23° and 24°S (Jujuy province, Argentina).* Trabajos de Geología, 30: 214-220.

- **Soleimany, B.; Poblet, J.; Bulnes, M. & Sàbat, F. (2011):** *Fold amplification history unravelled from growth strata: the Dorood anticline, NW Persian Gulf.* Journal of the Geological Society, 168: 219-234.

- **Storti, F. & Poblet, J. (1997):** *Growth stratal architectures associated with decollement folds and fault-propagation folds. Inferences on fold kinematics.* Tectonophysics, 282: 353-373

- **Suppe, J.; Sabat, F.; Muñoz, J.A.; Poblet, J.; Roca, E. & Vergés, J. (1997):** *Bed-by-bed fold growth by kink-band migration: Sant Llorenç de Morunys, eastern Pyrenees.* Journal of Structural Geology, 19(3-4): 443-461

- **Toimil, N.C. & Griera, A. (2007):** *Influence of viscosity contrast and anisotropy on strain accommodation in competent layers.* Journal of Structural Geology, 29, 787-801.

- **Toimil, N.C. & Fernández, F.J. (2007):** *Kinematic analysis of symmetrical natural folds developed in competent layers* Journal of Structural Geology, 29, 467-480

- **Uzkeda, H.; Poblet, J. & Bulnes, M. (2014):** *Shear angle and amount of extension calculations for normal faults emanating from a detachment: implications on mechanisms to generate rollovers.* Journal of structural Geology, 67: 20-36.

- **Uzkeda, H.; Poblet, J. & Bulnes, M. (2010):** *A geometric and kinematic model for double-edge propagating thrusts involving hangingwall and footwall folding. An example from the Jaca-Pamplona Basin (Southern Pyrenees).* Geological Journal, 45(5-6): 506-520.

- **Uzkeda, H.; Poblet, J. & Bulnes, M. (2010):** *A kinematic model for folds accommodating shortening in tips of reverse faults: an example from the Southern Pyrenees (N Iberian Peninsula).* Trabajos de Geología, 30: 269-302.

- **Uzkeda, H., Bulnes, M., Poblet, J., García-Ramos, J.C. & Piñuela, L. (2013):** *Buttressing and reverse reactivation of a normal fault in the Jurassic rocks of the Asturian Basin, NW Iberian Peninsula.* Tectonophysics, 599: 117-134.

- **Uzkeda, H., Poblet, J. & Bulnes, M. (in press)**: *Shear angle and amount of extension calculations for normal faults emanating from a detachment.* Journal of Structural Geology.

- **Valero, L., Soleimany, B., Bulnes, M. & Poblet, J. (submitted)**: *Evolution of the Nourooz anticline (NW Persian Gulf) deciphered using growth strata: structural inferences to constrain hydrocarbon exploration in Persian offshore anticlines.* Marine and Petroleum Geology.

- **Wilkerson, M.S.; Wilson, J.M.; Poblet, J. & Fischer, M. (2004):** *DETACH: an Excel spreadsheet to simulate 2-D cross sections of detachment folds.* Computers & Geosciences, 30: 1069-1077