

Bertrand Maillot

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

597
citations

567281

15
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

438
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | Reply to comment on "how to build an extensional basin in a contractional setting? Numerical and physical modeling applied to the Mejerda basin at the front of the eastern Tell of Tunisia" Journal of Structural Geology, 2020, 138, 103936. | 2.3 | 7 |
| 2 | How to build an extensional basin in a contractional setting? Numerical and physical modelling applied to the Mejerda Basin at the front of the eastern Tell of Tunisia. Journal of Structural Geology, 2019, 129, 103887. | 2.3 | 15 |
| 3 | The influence of detachment strength on the evolving deformational energy budget of physical accretionary prisms. Solid Earth, 2018, 9, 1421-1436. | 2.8 | 11 |
| 4 | Shear Versus Tensile Failure Mechanisms Induced by Sill Intrusions: Implications for Emplacement of Conical and Saucer-shaped Intrusions. Journal of Geophysical Research: Solid Earth, 2018, 123, 3430-3449. | 3.4 | 30 |
| 5 | Propagation of a fold-and-thrust belt over a basement graben. Journal of Structural Geology, 2018, 115, 121-131. | 2.3 | 11 |
| 6 | Mechanical restoration of gravity instabilities in the Brunei margin, N.W. Borneo. Journal of Structural Geology, 2018, 117, 148-162. | 2.3 | 5 |
| 7 | Work Optimization Predicts Accretionary Faulting: An Integration of Physical and Numerical Experiments. Journal of Geophysical Research: Solid Earth, 2017, 122, 7485-7505. | 3.4 | 17 |
| 8 | Benchmarking numerical models of brittle thrust wedges. Journal of Structural Geology, 2016, 92, 140-177. | 2.3 | 81 |
| 9 | Benchmarking analogue models of brittle thrust wedges. Journal of Structural Geology, 2016, 92, 116-139. | 2.3 | 58 |
| 10 | Mechanical validation of balanced cross-sections: The case of the Mont Terri anticline at the Jura front (NW Switzerland). Journal of Structural Geology, 2015, 75, 32-48. | 2.3 | 19 |
| 11 | The work of fault growth in laboratory sandbox experiments. Earth and Planetary Science Letters, 2015, 432, 95-102. | 4.4 | 28 |
| 12 | A sedimentation device to produce uniform sand packs. Tectonophysics, 2013, 593, 85-94. | 2.2 | 29 |
| 13 | Inverse method applied to a sand wedge: Estimation of friction parameters and uncertainty analysis. Journal of Structural Geology, 2013, 55, 101-113. | 2.3 | 21 |
| 14 | Predicting orogenic wedge styles as a function of analogue erosion law and material softening. Geochemistry, Geophysics, Geosystems, 2013, 14, 4523-4543. | 2.5 | 25 |
| 15 | Failure in accretionary wedges with the maximum strength theorem: numerical algorithm and 2D validation. Computational Geosciences, 2010, 14, 793-811. | 2.4 | 34 |
| 16 | Statistical analysis of an experimental compressional sand wedge. Journal of Structural Geology, 2010, 32, 818-831. | 2.3 | 29 |
| 17 | Constraints on friction coefficients by an inverse analysis of sand box thrust dips. Journal of Structural Geology, 2007, 29, 117-128. | 2.3 | 15 |
| 18 | Tectonic thickening of hanging-wall units over a ramp. Journal of Structural Geology, 2007, 29, 924-932. | 2.3 | 31 |

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Kink-fold onset and development based on the maximum strength theorem. Journal of the Mechanics and Physics of Solids, 2006, 54, 2030-2059. | 4.8 | 47 |
| 20 | Thrust dip and thrust refraction in fault-bend folds: analogue models and theoretical predictions. Journal of Structural Geology, 2006, 28, 36-49. | 2.3 | 57 |
| 21 | Optimal dip based on dissipation of back thrusts and hinges in fold-and-thrust belts. Journal of Geophysical Research, 2003, 108, . | 3.3 | 27 |