Bertrand Maillot

List of Publications by Year
in descending order

21	597	567281 15	713466 21
papers	citations	h-index	g-index

22	22	22	438
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Benchmarking numerical models of brittle thrust wedges. Journal of Structural Geology, 2016, 92, 140-177.	2.3	81
2	Benchmarking analogue models of brittle thrust wedges. Journal of Structural Geology, 2016, 92, 116-139.	2.3	58
3	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
4	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
5	Failure in accretionary wedges with the maximum strength theorem: numerical algorithm and 2D validation. Computational Geosciences, 2010, 14, 793-811.	2.4	34
6	Tectonic thickening of hanging-wall units over a ramp. Journal of Structural Geology, 2007, 29, 924-932.	2.3	31
7	Shear Versus Tensile Failure Mechanisms Induced by Sill Intrusions: Implications for Emplacement of Conical and Saucerâ€Shaped Intrusions. Journal of Geophysical Research: Solid Earth, 2018, 123, 3430-3449.	3.4	30
8	Statistical analysis of an experimental compressional sand wedge. Journal of Structural Geology, 2010, 32, 818-831.	2.3	29
9	A sedimentation device to produce uniform sand packs. Tectonophysics, 2013, 593, 85-94.	2.2	29
10	The work of fault growth in laboratory sandbox experiments. Earth and Planetary Science Letters, 2015, 432, 95-102.	4.4	28
11	Optimal dip based on dissipation of back thrusts and hinges in fold-and-thrust belts. Journal of Geophysical Research, 2003, 108, .	3.3	27
12	Predicting orogenic wedge styles as a function of analogue erosion law and material softening. Geochemistry, Geophysics, Geosystems, 2013, 14, 4523-4543.	2.5	25
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	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
15	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
16	Constraints on friction coefficients by an inverse analysis of sand box thrust dips. Journal of Structural Geology, 2007, 29, 117-128.	2.3	15
17	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
18	The influence of detachment strength on the evolving deformational energy budget of physical accretionary prisms. Solid Earth, 2018, 9, 1421-1436.	2.8	11

#	Article	IF	Citations
19	Propagation of a fold-and-thrust belt over a basement graben. Journal of Structural Geology, 2018, 115, 121-131.	2.3	11
20	Reply to comment on â€œhow 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 Tunisiaâ€• Journal of Structural Geology, 2020, 138, 103936.	2.3	7
21	Mechanical restoration of gravity instabilities in the Brunei margin, N.W. Borneo. Journal of Structural Geology, 2018, 117, 148-162.	2.3	5