Frantz Maerten

List of Publications by Year
in descending order

14 papers	356 citations	840776 11 h-index	1058476 14 g-index
18 all docs	18 docs citations	18 times ranked	287 citing authors

#	Article	IF	Citations
1	Fault slip envelope: a new parametric investigation tool for fault slip based on geomechanics and 3-D fault geometry. Solid Earth, 2019, 10, 1141-1154.	2.8	3
2	Fault-related fracture modeling in the complex tectonic environment of the Malay Basin, offshore Malaysia: An integrated 4D geomechanical approach. Marine and Petroleum Geology, 2019, 105, 222-237.	3.3	14
3	Along fault friction and fluid pressure effects on the spatial distribution of fault-related fractures. Journal of Structural Geology, 2018, 108, 198-212.	2.3	22
4	2D finite-element elastic models of transtensional pull-apart basins. Comptes Rendus - Geoscience, 2018, 350, 222-230.	1.2	17
5	Accuracy evaluation of both Wallace-Bott and BEM-based paleostress inversion methods. Tectonophysics, 2017, 694, 130-145.	2.2	11
6	Geomechanical paleostress inversion using fracture data. Journal of Structural Geology, 2016, 89, 197-213.	2.3	53
7	Incorporating fault mechanics into inversions of aftershock data for the regional remote stress, with application to the 1992 Landers, California earthquake. Tectonophysics, 2016, 674, 52-64.	2.2	9
8	Paleostress inversion: A multi-parametric geomechanical evaluation of the Wallace–Bott assumptions. Tectonophysics, 2015, 657, 129-143.	2.2	21
9	Mechanics of nonplanar faults at extensional steps with application to the 1992 M 7.3 Landers, California, earthquake. Journal of Geophysical Research: Solid Earth, 2013, 118, 3249-3263.	3.4	15
10	Modeling mixed-mode fracture propagation in isotropic elastic three dimensional solid. International Journal of Fracture, 2013, 179, 45-57.	2.2	20
11	Solving 3D boundary element problems using constrained iterative approach. Computational Geosciences, 2010, 14, 551-564.	2.4	34
12	Field evidences for the role of static friction on fracture orientation in extensional relays along strike-slip faults: Comparison with photoelasticity and 3-D numerical modeling. Journal of Structural Geology, 2010, 32, 1721-1731.	2.3	41
13	Investigating the transition between the 1967 Mudurnu Valley and 1999 Izmit earthquakes along the North Anatolian fault with static stress changes. Geophysical Journal International, 2003, 154, 471-482.	2.4	20
14	Digital mapping of three-dimensional structures of the Chimney Rock fault system, central Utah. Journal of Structural Geology, 2001, 23, 585-592.	2.3	76