

# Frantz Maerten

## List of Publications by Year in descending order

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14  
papers

356  
citations

840776

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h-index

1058476

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all docs

18  
docs citations

18  
times ranked

287  
citing authors

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