

Ray Y Chuang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

391
citations

840776

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citing authors

#	ARTICLE	IF	CITATIONS
1	Reconciling geologic and geodetic model fault slip-rate discrepancies in Southern California: Consideration of nonsteady mantle flow and lower crustal fault creep. <i>Geology</i> , 2011, 39, 627-630.	4.4	81
2	Inferred fault geometry and slip distribution of the 2010 Jiashian, Taiwan, earthquake is consistent with a thick-skinned deformation model. <i>Earth and Planetary Science Letters</i> , 2011, 301, 78-86.	4.4	40
3	Coherence Difference Analysis of Sentinel-1 SAR Interferogram to Identify Earthquake-Induced Disasters in Urban Areas. <i>Remote Sensing</i> , 2018, 10, 1318.	4.0	37
4	Geomorphology of the southernmost Longitudinal Valley fault: Implications for evolution of the active suture of eastern Taiwan. <i>Tectonics</i> , 2008, 27, .	2.8	36
5	Inversion for absolute deviatoric crustal stress using focal mechanisms and coseismic stress changes: The 2011 <i>M</i> ₉ Tohoku earthquake, Japan, earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 5516-5529.	3.4	25
6	A midcrustal ramp fault structure beneath the Taiwan tectonic wedge illuminated by the 2013 Nantou earthquake series. <i>Geophysical Research Letters</i> , 2013, 40, 5080-5084.	4.0	24
7	Insights into Seismogenic Deformation during the 2018 Hualien, Taiwan, Earthquake Sequence from InSAR, GPS, and Modeling. <i>Seismological Research Letters</i> , 2019, 90, 78-87.	1.9	23
8	Active back thrust in the eastern Taiwan suture revealed by the 2013 Ruesuei earthquake: Evidence for a doubly vergent orogenic wedge?. <i>Geophysical Research Letters</i> , 2014, 41, 3464-3470.	4.0	22
9	Shallow Fault Rupture of the Milun Fault in the 2018 <i>M</i> _w 6.4 Hualien Earthquake: A High-Resolution Approach from Optical Correlation of Pliades Satellite Imagery. <i>Seismological Research Letters</i> , 2019, 90, 97-107.	1.9	14
10	Development of a statistics-based nowcasting model for earthquake-triggered landslides in Taiwan. <i>Engineering Geology</i> , 2021, 289, 106177.	6.3	14
11	Mapping surface breakages of the 2018 Hualien earthquake by using UAS photogrammetry. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2019, 30, 351-366.	0.6	14
12	Investigating the Milun Fault: The coseismic surface rupture zone of the 2018/02/06 <i>M</i> _L 6.2 Hualien earthquake, Taiwan. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2019, 30, 311-335.	0.6	13
13	Spatially Varying Stress State in the Central U.S. From Bayesian Inversion of Focal Mechanism and In Situ Maximum Horizontal Stress Orientation Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 3871-3890.	3.4	9
14	Evidence for Fluid Migration During the 2016 Meinong, Taiwan, Aftershock Sequence. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019994.	3.4	8
15	Characteristics on fault coupling along the Solomon megathrust based on GPS observations from 2011 to 2014. <i>Geophysical Research Letters</i> , 2016, 43, 8519-8526.	4.0	6
16	Pixel Offset Fusion of SAR and Optical Images for 3-D Coseismic Surface Deformation. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2021, 18, 1049-1053.	3.1	6
17	Interseismic Deformation and Earthquake Hazard along the Southernmost Longitudinal Valley Fault, Eastern Taiwan. <i>Bulletin of the Seismological Society of America</i> , 2012, 102, 1569-1582.	2.3	5
18	Tsunami Induced by the Strike-slip Fault of the 2018 Palu Earthquake (<i>M</i> _w = 7.5), Sulawesi Island, Indonesia. <i>Earth and Space Science</i> , 2021, 8, e2020EA001400.	2.6	5

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19	Coseismic Uplift of the 1999 M_w 7.6 Chi-Chi Earthquake and Implication to Topographic Change in Frontal Mountain Belts. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088947.	4.0	4
20	Realization approach of non-linear postseismic deformation model for Taiwan semi-kinematic reference frame. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	3
21	Characteristics of landslides triggered by the 2013 ML6.5 Nantou, Taiwan, earthquake. <i>Earth, Planets and Space</i> , 2022, 74, .	2.5	2
22	Characteristics on Fault coupling along the Solomon megathrust based on GPS observations from 2011 to 2014. <i>Impact</i> , 2017, 2017, 32-34.	0.1	0