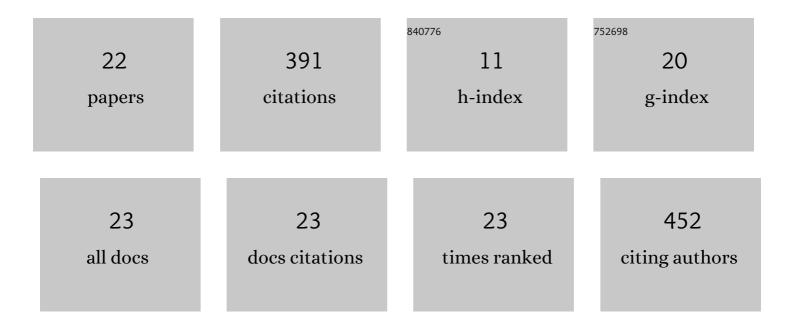
## Ray Y Chuang

List of Publications by Year in descending order

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#	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. Geology, 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. Earth and Planetary Science Letters, 2011, 301, 78-86.	4.4	40
3	Coherence Difference Analysis of Sentinel-1 SAR Interferogram to Identify Earthquake-Induced Disasters in Urban Areas. Remote Sensing, 2018, 10, 1318.	4.0	37
4	Geomorphology of the southernmost Longitudinal Valley fault: Implications for evolution of the active suture of eastern Taiwan. Tectonics, 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 Tohokuâ€oki, Japan, earthquake. Journal of Geophysical Research: Solid Earth, 2013, 118, 5516-5529.	3.4	25
6	A midcrustal rampâ€fault structure beneath the Taiwan tectonic wedge illuminated by the 2013 Nantou earthquake series. Geophysical Research Letters, 2013, 40, 5080-5084.	4.0	24
7	Insights into Seismogenic Deformation during the 2018 Hualien, Taiwan, Earthquake Sequence from InSAR, GPS, and Modeling. Seismological Research Letters, 2019, 90, 78-87.	1.9	23
8	Active back thrust in the eastern Taiwan suture revealed by the 2013 Rueisuei earthquake: Evidence for a doubly vergent orogenic wedge?. Geophysical Research Letters, 2014, 41, 3464-3470.	4.0	22
9	Shallow Fault Rupture of the Milun Fault in the 2018 MwÂ6.4 Hualien Earthquake: A Highâ€Resolution Approach from Optical Correlation of Pl©iades Satellite Imagery. Seismological Research Letters, 2019, 90, 97-107.	1.9	14
10	Development of a statistics-based nowcasting model for earthquake-triggered landslides in Taiwan. Engineering Geology, 2021, 289, 106177.	6.3	14
11	Mapping surface breakages of the 2018 Hualien earthquake by using UAS photogrammetry. Terrestrial, Atmospheric and Oceanic Sciences, 2019, 30, 351-366.	0.6	14
12	Investigating the Milun Fault: The coseismic surface rupture zone of the 2018/02/06 ML 6.2 Hualien earthquake, Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 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. Journal of Geophysical Research: Solid Earth, 2018, 123, 3871-3890.	3.4	9
14	Evidence for Fluid Migration During the 2016 Meinong, Taiwan, Aftershock Sequence. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019994.	3.4	8
15	Characteristics on fault coupling along the Solomon megathrust based on GPS observations from 2011 to 2014. Geophysical Research Letters, 2016, 43, 8519-8526.	4.0	6
16	Pixel Offset Fusion of SAR and Optical Images for 3-D Coseismic Surface Deformation. IEEE Geoscience and Remote Sensing Letters, 2021, 18, 1049-1053.	3.1	6
17	Interseismic Deformation and Earthquake Hazard along the Southernmost Longitudinal Valley Fault, Eastern Taiwan. Bulletin of the Seismological Society of America, 2012, 102, 1569-1582.	2.3	5
18	Tsunami Induced by the Strike‣lip Fault of the 2018 Palu Earthquake ( <i>M<sub>w</sub></i> = 7.5), Sulawesi Island, Indonesia. Earth and Space Science, 2021, 8, e2020EA001400.	2.6	5

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