

# Matthew Herman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9424114/publications.pdf>

Version: 2024-02-01

21  
papers

439  
citations

840585

11  
h-index

752573

20  
g-index

25  
all docs

25  
docs citations

25  
times ranked

575  
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuing megathrust earthquake potential in Chile after the 2014 Iquique earthquake. <i>Nature</i> , 2014, 512, 295-298.	13.7	158
2	The Geodetic Signature of the Earthquake Cycle at Subduction Zones: Model Constraints on the Deep Processes. <i>Reviews of Geophysics</i> , 2018, 56, 6-49.	9.0	40
3	The Accumulation of Slip Deficit in Subduction Zones in the Absence of Mechanical Coupling: Implications for the Behavior of Megathrust Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8260-8278.	1.4	28
4	Using regional moment tensors to constrain the kinematics and stress evolution of the 2010–2013 Canterbury earthquake sequence, South Island, New Zealand. <i>Tectonophysics</i> , 2014, 633, 1-15.	0.9	25
5	Triggered aseismic slip adjacent to the 6 February 2013 Mw 8.0 Santa Cruz Islands megathrust earthquake. <i>Earth and Planetary Science Letters</i> , 2014, 388, 265-272.	1.8	24
6	Triggering an unexpected earthquake in an uncoupled subduction zone. <i>Science Advances</i> , 2021, 7, .	4.7	24
7	Reconciling the deformational dichotomy of the 2016 <i>M<sub>w</sub></i> 7.8 Kaikoura New Zealand earthquake. <i>Geophysical Research Letters</i> , 2017, 44, 6788-6791.	1.5	23
8	Foreshock triggering of the 1 April 2014 Mw 8.2 Iquique, Chile, earthquake. <i>Earth and Planetary Science Letters</i> , 2016, 447, 119-129.	1.8	21
9	Locating Fully Locked Asperities Along the South America Subduction Megathrust: A New Physical Interseismic Inversion Approach in a Bayesian Framework. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC009063.	1.0	16
10	Seismotectonics of the 2014 Chiang Rai, Thailand, earthquake sequence. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 6367-6388.	1.4	15
11	Integrated geophysical characteristics of the 2015 Illapel, Chile, earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 4691-4711.	1.4	13
12	2017 Valparaíso earthquake sequence and the megathrust patchwork of central Chile. <i>Geophysical Research Letters</i> , 2017, 44, 8865-8872.	1.5	11
13	Rupture processes of the 2013–2014 Minab earthquake sequence, Iran. <i>Geophysical Journal International</i> , 2018, 213, 1898-1911.	1.0	10
14	Regional and Local Patterns of Upper-Plate Deformation in Cascadia: The Importance of the Down-Dip Extent of Locking Relative to Upper-Plate Strength Contrasts. <i>Tectonics</i> , 2022, 41, .	1.3	5
15	Rifting of the Kalahari Craton Through Botswana? New Seismic Evidence. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	5
16	Bidirectional Loading of the Subduction Interface: Evidence From the Kinematics of Slow Slip Events. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC008918.	1.0	4
17	Stress evolution during the megathrust earthquake cycle and its role in triggering extensional deformation in subduction zones. <i>Earth and Planetary Science Letters</i> , 2020, 544, 116379.	1.8	4
18	Tectonic Context and Possible Triggering of the 2019–2020 Puerto Rico Earthquake Sequence. <i>Seismological Research Letters</i> , 0, , .	0.8	4

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19	Seismotectonic Analysis of the 2019â€“2020 Puerto Rico Sequence: The Value of Absolute Earthquake Relocations in Improved Interpretations of Active Tectonics. <i>Seismological Research Letters</i> , 2022, 93, 544-554.	0.8	4
20	Revisiting the Canterbury earthquake sequence after the 14 February 2016 <i>M<sub>w</sub></i> 5.7 event. <i>Geophysical Research Letters</i> , 2016, 43, 7503-7510.	1.5	2
21	Evaluating the state of stress and seismic hazard in Thailand and vicinity through finite element modeling. <i>Journal of Asian Earth Sciences</i> , 2018, 166, 260-269.	1.0	1