

Pei-Zhen Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5103776/publications.pdf>

Version: 2024-02-01

60
papers

5,932
citations

218677

26
h-index

144013

57
g-index

61
all docs

61
docs citations

61
times ranked

3001
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Cenozoic tectonic evolution of regional fault systems in the SE Tibetan Plateau. <i>Science China Earth Sciences</i> , 2022, 65, 601-623. | 5.2 | 16 |
| 2 | Tectonic geomorphology and prehistoric earthquakes of the West Helanshan fault, West Ordos, and its implications for regional tectonics and seismic hazard. <i>Tectonophysics</i> , 2022, 833, 229375. | 2.2 | 1 |
| 3 | Wobbling-Causing Crustal Deformation Around the Ordos Block. <i>Geophysical Research Letters</i> , 2021, 48, . | 4.0 | 29 |
| 4 | East Tacheng (Qoqek) Fault Zone: Late Quaternary Tectonics and Slip Rate of a Left-Lateral Strike-Slip Fault Zone North of the Tian Shan. <i>Tectonics</i> , 2021, 40, e2020TC006377. | 2.8 | 5 |
| 5 | Effects of Erosion and Deposition on Constraining Vertical Slip Rates of Thrust Faults: A Case Study of the Minle-Damaying Fault in the North Qilian Shan, NE Tibetan Plateau. <i>Frontiers in Earth Science</i> , 2021, 9, . | 1.8 | 3 |
| 6 | Tectonic Deformation of the Northeastern Tibetan Plateau and Its Surroundings Revealed With GPS Block Modeling. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020733. | 3.4 | 12 |
| 7 | Late Quaternary variations in paleoerosion rates in the northern Qilian Shan revealed by ¹⁰ Be in fluvial terraces. <i>Geomorphology</i> , 2021, 386, 107751. | 2.6 | 2 |
| 8 | Postseismic Deformation of the 2008 Wenchuan Earthquake Illuminates Lithospheric Rheological Structure and Dynamics of Eastern Tibet. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022399. | 3.4 | 38 |
| 9 | A Generic Method to Derive Coastal Bathymetry From Satellite Photogrammetry for Tsunami Hazard Assessment. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095142. | 4.0 | 3 |
| 10 | Opposite Sense of Strike-Slip Faulting and Crustal Rotation Accommodating Lateral Shear Between the Tianshan Mountains and Kazakh Platform. <i>Geophysical Research Letters</i> , 2021, 48, . | 4.0 | 5 |
| 11 | Examination of the repeatability of two Ms6.4 Menyuan earthquakes in Qilian-Haiyuan fault zone (NE) Tj ETQq1 1 0.784314 rgBT /Over 106408. | 1.9 | 13 |
| 12 | Constraining Late Quaternary Crustal Shortening in the Eastern Qilian Shan From Deformed River Terraces. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020631. | 3.4 | 15 |
| 13 | Cenozoic Exhumation of the Ailaoshan-Red River Shear Zone: New Insights From Low-Temperature Thermochronology. <i>Tectonics</i> , 2020, 39, e2020TC006151. | 2.8 | 21 |
| 14 | Surface Slip Distribution Along the West Helanshan Fault, Northern China, and Its Implications for Fault Behavior. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019983. | 3.4 | 16 |
| 15 | Orthogonal Fault Rupture and Rapid Postseismic Deformation Following 2019 Ridgecrest, California, Earthquake Sequence Revealed From Geodetic Observations. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086888. | 4.0 | 35 |
| 16 | Paleomagnetic Constraint on the Carboniferous Paleoposition of Indochina and Its Implications for the Evolution of Eastern Paleotethys Ocean. <i>Tectonics</i> , 2020, 39, e2020TC006168. | 2.8 | 8 |
| 17 | Ten Years After the Wenchuan Earthquake: New Insights Into the Geodynamics of the Eastern Tibet. <i>Tectonics</i> , 2020, 39, e2020TC006215. | 2.8 | 5 |
| 18 | Along-Strike and Down-dip Segmentation of the Pamir Frontal Thrust and Its Association With the 1985 Mw 6.9 Wuqia Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 9890-9919. | 3.4 | 18 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Lateral Fault Growth in the Kashi Anticline (Chinese Tian Shan): Insights From Seismic Interpretation, Shortening Distribution, and Trishear Methods. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 7303-7319. | 3.4 | 5 |
| 20 | 3D geometry of range front blind ramp and its effects on structural segmentation of the southern Longmen Shan front, eastern Tibet. <i>Journal of Asian Earth Sciences</i> , 2019, 181, 103911. | 2.3 | 5 |
| 21 | Cumulative and Coseismic (During the 2016 M w 6.6 Aketao Earthquake) Deformation of the Dextral Slip Muji Fault, Northeastern Pamir Orogen. <i>Tectonics</i> , 2019, 38, 3975-3989. | 2.8 | 12 |
| 22 | Geological and geomorphological evidence for active faulting of the southern Liupanshan fault zone, NE Tibetan Plateau. <i>Geomorphology</i> , 2019, 345, 106849. | 2.6 | 11 |
| 23 | Oblique Thrust of the Maidan Fault and Late Quaternary Tectonic Deformation in the Southwestern Tian Shan, Northwestern China. <i>Tectonics</i> , 2019, 38, 2625-2645. | 2.8 | 23 |
| 24 | Evidence for three Cenozoic phases of upper crustal shortening of the Xiongpo structure in the Longmen Shan fold-and-thrust belt, China: Implications for the eastward growth of the eastern Tibetan Plateau. <i>Journal of Asian Earth Sciences</i> , 2019, 179, 138-148. | 2.3 | 7 |
| 25 | 3D geometric modeling for the Yanjinggou anticline in the Longmen Shan fold-and-thrust belt, China: Oblique thrusting kinematic implications. <i>Journal of Asian Earth Sciences</i> , 2019, 179, 99-111. | 2.3 | 7 |
| 26 | New slip rates for the Tianjingshan fault using optically stimulated luminescence, GPS, and paleoseismic data, NE Tibet, China. <i>Tectonophysics</i> , 2019, 755, 64-74. | 2.2 | 16 |
| 27 | Direct Paleomagnetic Constraint on the Closure of PaleoeTethys and Its Implications for Linking the Tibetan and Southeast Asian Blocks. <i>Geophysical Research Letters</i> , 2019, 46, 14368-14376. | 4.0 | 21 |
| 28 | Constraining the Distribution of Vertical Slip on the South Heli Shan Fault (Northeastern Tibet) From High-Resolution Topographic Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 2484-2501. | 3.4 | 31 |
| 29 | Contemporary Deformation of the North China Plain From Global Positioning System Data. <i>Geophysical Research Letters</i> , 2018, 45, 1851-1859. | 4.0 | 54 |
| 30 | Geomorphic offsets along the creeping Laohu Shan section of the Haiyuan fault, northern Tibetan Plateau. <i>Tectonics</i> , 2018, 37, 1165-1186. | | 30 |
| 31 | Active Bending-Moment Faulting: Geomorphic Expression, Controlling Conditions, Accommodation of Fold Deformation. <i>Tectonics</i> , 2018, 37, 2278-2306. | 2.8 | 23 |
| 32 | Thermochronological Constraints on the Late Cenozoic Morphotectonic Evolution of the Min Shan, the Eastern Margin of the Tibetan Plateau. <i>Tectonics</i> , 2018, 37, 1733-1749. | 2.8 | 38 |
| 33 | Oblique Thrusting and Strain Partitioning in the Longmen Shan Fold-and-Thrust Belt, Eastern Tibetan Plateau. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 4431-4453. | 3.4 | 25 |
| 34 | Two-Phase Exhumation Along Major Shear Zones in the SE Tibetan Plateau in the Late Cenozoic. <i>Tectonics</i> , 2018, 37, 2675-2694. | 2.8 | 44 |
| 35 | The Role of the 2008 Mw 7.9 Wenchuan Earthquake in Topographic Evolution: Seismically Induced Landslides and the Associated Isostatic Response. <i>Tectonics</i> , 2018, 37, 2748-2757. | 2.8 | 7 |
| 36 | Kinematics of Late Quaternary Slip Along the Qishan-Mazhao Fault: Implications for Tectonic Deformation on the Southwestern Ordos, China. <i>Tectonics</i> , 2018, 37, 2983-3000. | 2.8 | 30 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | The 1 May 2017 British Columbia-Alaska Earthquake Doublet and Implication for Complexity Near Southern End of Denali Fault System. <i>Geophysical Research Letters</i> , 2018, 45, 5937-5947. | 4.0 | 11 |
| 38 | Late Quaternary strike-slip along the Taohuala Shan-Ayouqi fault zone and its tectonic implications in the Hexi Corridor and the southern Gobi Alashan, China. <i>Tectonophysics</i> , 2017, 721, 28-44. | 2.2 | 19 |
| 39 | Latest Pleistocene to Holocene Thrusting Recorded by a Flight of Strath Terraces in the Eastern Qilian Shan, NE Tibetan Plateau. <i>Tectonics</i> , 2017, 36, 2973-2986. | 2.8 | 31 |
| 40 | Deep crustal deformation of the Longmen Shan, eastern margin of the Tibetan Plateau, from seismic reflection and Finite Element modeling. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 767-787. | 3.4 | 52 |
| 41 | The Cenozoic growth of the Qilian Shan in the northeastern Tibetan Plateau: A sedimentary archive from the Jiuxi Basin. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 2235-2257. | 3.4 | 135 |
| 42 | Pulsed exhumation of interior eastern Tibet: Implications for relief generation mechanisms and the origin of high-elevation planation surfaces. <i>Earth and Planetary Science Letters</i> , 2016, 449, 176-185. | 4.4 | 100 |
| 43 | Dextral strike-slip of Sanguankou-Niushoushan fault zone and extension of arc tectonic belt in the northeastern margin of the Tibet Plateau. <i>Science China Earth Sciences</i> , 2016, 59, 1025-1040. | 5.2 | 36 |
| 44 | Kinematics of late Quaternary slip along the Yabrai fault: Implications for Cenozoic tectonics across the Gobi Alashan block, China. <i>Lithosphere</i> , 2016, 8, 199-218. | 1.4 | 32 |
| 45 | The growth of northeastern Tibet and its relevance to large-scale continental geodynamics: A review of recent studies. <i>Tectonics</i> , 2013, 32, 1358-1370. | 2.8 | 350 |
| 46 | Relative motion across the eastern Tibetan plateau: Contributions from faulting, internal strain and rotation rates. <i>Tectonophysics</i> , 2013, 584, 240-256. | 2.2 | 38 |
| 47 | Transformation of displacement between strike-slip and crustal shortening in the northern margin of the Tibetan Plateau: Evidence from decadal GPS measurements and late Quaternary slip rates on faults. <i>Tectonophysics</i> , 2013, 584, 267-280. | 2.2 | 226 |
| 48 | Late Quaternary slip rate of the South Heli Shan Fault (northern Hexi Corridor, NW China) and its implications for northeastward growth of the Tibetan Plateau. <i>Tectonics</i> , 2013, 32, 271-293. | 2.8 | 122 |
| 49 | Magnetostratigraphy of the Neogene Chaka basin and its implications for mountain building processes in the north-eastern Tibetan Plateau. <i>Basin Research</i> , 2012, 24, 31-50. | 2.7 | 98 |
| 50 | Far-field coseismic displacements associated with the 2011 Tohoku-oki earthquake in Japan observed by Global Positioning System. <i>Science Bulletin</i> , 2011, 56, 2419-2424. | 1.7 | 46 |
| 51 | Pattern and timing of late Cenozoic rapid exhumation and uplift of the Helan Mountain, China. <i>Science China Earth Sciences</i> , 2010, 53, 345-355. | 5.2 | 54 |
| 52 | Oblique, High-Angle, Listric-Reverse Faulting and Associated Development of Strain: The Wenchuan Earthquake of May 12, 2008, Sichuan, China. <i>Annual Review of Earth and Planetary Sciences</i> , 2010, 38, 353-382. | 11.0 | 260 |
| 53 | Slip maxima at fault junctions and rupturing of barriers during the 2008 Wenchuan earthquake. <i>Nature Geoscience</i> , 2009, 2, 718-724. | 12.9 | 495 |
| 54 | Late Quaternary left-lateral slip rate of the Haiyuan fault, northeastern margin of the Tibetan Plateau. <i>Tectonics</i> , 2009, 28, . | 2.8 | 124 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Present-day crustal motion within the Tibetan Plateau inferred from GPS measurements. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 719 |
| 56 | Continuous deformation of the Tibetan Plateau from global positioning system data. <i>Geology</i> , 2004, 32, 809. | 4.4 | 1,289 |
| 57 | Initiation of deformation of the Eastern California Shear Zone: Constraints from Garlock fault geometry and GPS observations. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a. | 4.0 | 16 |
| 58 | Present-Day Crustal Deformation in China Constrained by Global Positioning System Measurements. <i>Science</i> , 2001, 294, 574-577. | 12.6 | 990 |
| 59 | Rupture terminations and size of segment boundaries from historical earthquake ruptures in the Basin and Range Province. <i>Tectonophysics</i> , 1999, 308, 37-52. | 2.2 | 51 |
| 60 | The 2019 Ms4.2 and 5.2 Beiliu Earthquake Sequence in South China: Complex Conjugate Strike-Slip Faulting Revealed by Rupture Directivity Analysis. <i>Seismological Research Letters</i> , 0, , . | 1.9 | 4 |