

Shuwen Dong

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112 papers	5,178 citations	37 h-index	70 g-index
118 ext. papers	6,044 ext. citations	3 avg, IF	5.5 L-index

#	Paper	IF	Citations
112	Tectonics of the Qinling (Central China): tectonostratigraphy, geochronology, and deformation history. <i>Tectonophysics</i> , 2003 , 366, 1-53	3.1	654
111	Exhumation of ultrahigh-pressure continental crust in east central China: Late Triassic-Early Jurassic tectonic unroofing. <i>Journal of Geophysical Research</i> , 2000 , 105, 13339-13364		500
110	Cretaceous tectonic evolution of South China: A preliminary synthesis. <i>Earth-Science Reviews</i> , 2014 , 134, 98-136	10.2	298
109	Exhumation of the ultrahigh-pressure continental crust in east central China: Cretaceous and Cenozoic unroofing and the Tan-Lu fault. <i>Journal of Geophysical Research</i> , 2000 , 105, 13303-13338		285
108	Collision leading to multiple-stage large-scale extrusion in the Qinling orogen: Insights from the Mianlue suture. <i>Gondwana Research</i> , 2007 , 12, 121-143	5.1	218
107	Cretaceous deformation history of the middle Tan-Lu fault zone in Shandong Province, eastern China. <i>Tectonophysics</i> , 2003 , 363, 243-258	3.1	184
106	Thermochronologic constraints on deformation and cooling history of high- and ultrahigh-pressure rocks in the Qinling-Dabie orogen, eastern China. <i>Tectonics</i> , 1999 , 18, 621-638	4.3	150
105	Cretaceous-Cenozoic history of the southern Tan-Lu fault zone: apatite fission-track and structural constraints from the Dabie Shan (eastern China). <i>Tectonophysics</i> , 2002 , 359, 225-253	3.1	128
104	Late Jurassic-Early Cretaceous continental convergence and intracontinental orogenesis in East Asia: A synthesis of the Yanshan Revolution. <i>Journal of Asian Earth Sciences</i> , 2015 , 114, 750-770	2.8	126
103	SHRIMP U-Pb zircon dating of a metagabbro and eclogites from western Dabieshan (Hong'an Block), China, and its tectonic implications. <i>Tectonophysics</i> , 2004 , 394, 171-192	3.1	106
102	High-pressure metamorphic rocks from Tongbaishan, central China: U-Pb and $^{40}\text{Ar}/^{39}\text{Ar}$ age constraints on the provenance of protoliths and timing of metamorphism. <i>Lithos</i> , 2008 , 105, 301-318	2.9	91
101	What drove continued continent-continent convergence after ocean closure? Insights from high-resolution seismic-reflection profiling across the Daba Shan in central China. <i>Geology</i> , 2013 , 41, 671-674	5	86
100	Intra-continental Dabashan orocline, southwestern Qinling, Central China. <i>Journal of Asian Earth Sciences</i> , 2012 , 46, 20-38	2.8	80
99	A possible buried Paleoproterozoic collisional orogen beneath central South China: Evidence from seismic-reflection profiling. <i>Precambrian Research</i> , 2015 , 264, 1-10	3.9	72
98	Thermobaric structure of a traverse across western Dabieshan: implications for collision tectonics between the Sino-Korean and Yangtze cratons. <i>Journal of Metamorphic Geology</i> , 2004 , 22, 361-379	4.4	70
97	New insights into Phanerozoic tectonics of south China: Part 1, polyphase deformation in the Jiuling and Lianyunshan domains of the central Jiangnan Orogen. <i>Journal of Geophysical Research: Solid Earth</i> , 2016 , 121, 3048-3080	3.6	69
96	Seismic Evidence for a Geosuture between the Yangtze and Cathaysia Blocks, South China. <i>Scientific Reports</i> , 2013 , 3, 2200	4.9	69

95	The Hengshan low-angle normal fault zone: Structural and geochronological constraints on the Late Mesozoic crustal extension in South China. <i>Tectonophysics</i> , 2013 , 606, 97-115	3.1	64
94	New insights into Phanerozoic tectonics of South China: Early Paleozoic sinistral and Triassic dextral transpression in the east Wuyishan and Chencai domains, NE Cathaysia. <i>Tectonics</i> , 2017 , 36, 819-853	4.3	62
93	Tectonic development of the northeastern Tibetan Plateau as constrained by high-resolution deep seismic-reflection data. <i>Lithosphere</i> , 2013 , 5, 555-574	2.7	60
92	An Andean-type retro-arc foreland system beneath northwest South China revealed by SINOPROBE profiling. <i>Earth and Planetary Science Letters</i> , 2018 , 490, 170-179	5.3	57
91	Structural and geochronological constraints on the Mesozoic tectonic evolution of the North Dabashan zone, South Qinling, central China. <i>Journal of Asian Earth Sciences</i> , 2013 , 64, 99-114	2.8	56
90	Early crustal evolution of the Yangtze Craton, South China: New constraints from zircon U-Pb-Hf isotopes and geochemistry of ca. 2.9–2.6 Ga granitic rocks in the Zhongxiang Complex. <i>Precambrian Research</i> , 2018 , 314, 325-352	3.9	55
89	Zircon U-Pb geochronology of the Mesozoic metamorphic rocks and granitoids in the coastal tectonic zone of SE China: Constraints on the timing of Late Mesozoic orogeny. <i>Journal of Asian Earth Sciences</i> , 2013 , 62, 237-252	2.8	49
88	Dating of subduction and differential exhumation of UHP rocks from the Central Dabie Complex (E-China): Constraints from microfabrics, Rb-Sr and U-Pb isotope systems. <i>Lithos</i> , 2006 , 89, 174-201	2.9	49
87	The Yanshan orogeny and late Mesozoic multi-plate convergence in East Asia—Commemorating 90th years of the Yanshan Orogeny. <i>Science China Earth Sciences</i> , 2018 , 61, 1888-1909	4.6	47
86	3D thermal structure of the continental lithosphere beneath China and adjacent regions. <i>Journal of Asian Earth Sciences</i> , 2013 , 62, 697-704	2.8	46
85	Progress in deep lithospheric exploration of the continental China: A review of the SinoProbe. <i>Tectonophysics</i> , 2013 , 606, 1-13	3.1	45
84	Neoproterozoic post-collisional extension of the central Jiangnan Orogen: Geochemical, geochronological, and Lu-Hf isotopic constraints from the ca. 820–800 Ma magmatic rocks. <i>Precambrian Research</i> , 2017 , 294, 91-110	3.9	44
83	The Sino-Korean Yangtze suture, the Huwan detachment, and the Paleozoic–Tertiary exhumation of (ultra)high-pressure rocks along the Tongbai-Xinxian-Dabie Mountains 2006 ,		42
82	Cenozoic tectonic evolution of the South Ningxia region, northeastern Tibetan Plateau inferred from new structural investigations and fault kinematic analyses. <i>Tectonophysics</i> , 2015 , 649, 139-164	3.1	41
81	Neotectonics around the Ordos Block, North China: A review and new insights. <i>Earth-Science Reviews</i> , 2020 , 200, 102969	10.2	41
80	Tectonic evolution of Cretaceous extensional basins in Zhejiang Province, eastern South China: structural and geochronological constraints. <i>International Geology Review</i> , 2014 , 56, 1602-1629	2.3	39
79	Crustal structure of the southern Dabie ultrahigh-pressure orogen and Yangtze foreland from deep seismic reflection profiling. <i>Terra Nova</i> , 2004 , 16, 319-324	3	39
78	Not all folds and thrusts in the Yangtze foreland thrust belt are related to the Dabie Orogen: Insights from Mesozoic deformation south of the Yangtze River. <i>Geological Journal</i> , 2010 , 45, 650-663	1.7	38

77	How did the foreland react? Yangtze foreland fold-and-thrust belt deformation related to exhumation of the Dabie Shan ultrahigh-pressure continental crust (eastern China). <i>Terra Nova</i> , 1999 , 11, 266-272	3	38
76	Crustal structure beneath the middle-lower Yangtze metallogenic belt in East China: Constraints from passive source seismic experiment on the Mesozoic intra-continental mineralization. <i>Tectonophysics</i> , 2013 , 606, 48-59	3.1	37
75	Timing of the initiation of the Jurassic Yanshan movement on the North China Craton: evidence from sedimentary cycles, heavy minerals, geochemistry, and zircon U-Pb geochronology. <i>International Geology Review</i> , 2014 , 56, 288-312	2.3	36
74	Mesozoic tectonic evolution of the Daba Shan Thrust Belt in the southern Qinling orogen, central China: Constraints from surface geology and reflection seismology. <i>Tectonics</i> , 2015 , 34, 1545-1575	4.3	36
73	Reflection seismic imaging of the Lujiang-Zongyang volcanic basin, Yangtze Metallogenic Belt: An insight into the crustal structure and geodynamics of an ore district. <i>Tectonophysics</i> , 2013 , 606, 60-77	3.1	35
72	Permo-Triassic structural evolution of the Shiwandashan and Youjiang structural belts, South China. <i>Journal of Structural Geology</i> , 2017 , 100, 24-44	3	34
71	Changes of Late Mesozoic Tectonic Regimes around the Ordos Basin (North China) and their Geodynamic Implications. <i>Acta Geologica Sinica</i> , 2011 , 85, 1254-1276	0.7	34
70	Crustal structure of the eastern Dabie Shan interpreted from deep reflection and shallow tomographic data. <i>Tectonophysics</i> , 2001 , 333, 347-359	3.1	32
69	U-Pb and 40Ar/39Ar geochronology of the Tongbai complex, central China: Implications for Cretaceous exhumation and lateral extrusion of the Tongbai-Dabie HP/UHP terrane. <i>Journal of Asian Earth Sciences</i> , 2012 , 47, 155-170	2.8	30
68	High-Si phengite, mineral chemistry and P-T evolution of ultra-high-pressure eclogites and calc-silicates from the Dabie Shan, eastern China. <i>Geological Journal</i> , 2000 , 35, 185-207	1.7	30
67	Building Southeast China in the late Mesozoic: Insights from alternating episodes of shortening and extension along the Lianhuashan fault zone. <i>Earth-Science Reviews</i> , 2020 , 201, 103056	10.2	30
66	The structural and tectonic relationships of the major fault systems of the Tan-Lu fault zone, with a focus on the segments within the North China region. <i>Journal of Asian Earth Sciences</i> , 2015 , 110, 85-100	2.8	28
65	Crustal structure and geodynamics of the Middle and Lower reaches of Yangtze metallogenic belt and neighboring areas: Insights from deep seismic reflection profiling. <i>Journal of Asian Earth Sciences</i> , 2015 , 114, 704-716	2.8	28
64	Detrital zircon geochronology of pre-Cretaceous strata: tectonic implications for the Jiangnan Orogen, South China. <i>Geological Magazine</i> , 2014 , 151, 975-995	2	27
63	The typical large-scale superposed folds in the central South China: Implications for Mesozoic intracontinental deformation of the South China Block. <i>Tectonophysics</i> , 2015 , 664, 50-66	3.1	26
62	Late Mesozoic high-K calc-alkaline magmatism in Southeast China: the Tongling example. <i>International Geology Review</i> , 2018 , 60, 1326-1360	2.3	26
61	Geohazards Induced by the Lushan Ms7.0 Earthquake in Sichuan Province, Southwest China: Typical Examples, Types and Distributional Characteristics. <i>Acta Geologica Sinica</i> , 2013 , 87, 646-657	0.7	26
60	Seismogenic Structure of the April 20, 2013, Lushan Ms7 Earthquake in Sichuan. <i>Acta Geologica Sinica</i> , 2013 , 87, 633-645	0.7	24

59	Cenozoic deformation history of the Tancheng-Lujiang Fault Zone, north China, and dynamic implications. <i>Island Arc</i> , 2003 , 12, 281-293	2	23
58	Mantle influx compensates crustal thinning beneath the Cathaysia Block, South China: Evidence from SINOProbe reflection profiling. <i>Earth and Planetary Science Letters</i> , 2020 , 544, 116360	5.3	22
57	Phase transitions of harzburgite and buckled slab under eastern China. <i>Geochemistry, Geophysics, Geosystems</i> , 2013 , 14, 1182-1199	3.6	21
56	Geochronology and Hf isotopes of granite gravel from Fanjingshan, South China: Implication for the Precambrian tectonic evolution of western Jiangnan orogen. <i>Journal of Earth Science (Wuhan, China)</i> , 2014 , 25, 619-629	2.2	18
55	Seismic evidence for plume-induced rifting in the Songliao Basin of Northeast China. <i>Tectonophysics</i> , 2014 , 627, 171-181	3.1	18
54	A Numerical Simulating Study of Mechanical Characteristics of Superposed Deformation in Daba Mountain Foreland. <i>Earth Science Frontiers</i> , 2009 , 16, 190-196		18
53	Destruction of the North China Craton: a perspective based on receiver function analysis. <i>Geological Journal</i> , 2015 , 50, 93-103	1.7	17
52	Crustal structure and continental dynamics of Central China: A receiver function study and implications for ultrahigh-pressure metamorphism. <i>Tectonophysics</i> , 2014 , 610, 172-181	3.1	17
51	Significance of allanite-(Ce) in granitic gneisses from the ultrahigh-pressure metamorphic terrane, Dabie Shan, central China. <i>Mineralogical Magazine</i> , 1999 , 63, 579-586	1.7	17
50	Thermal evolution of the Hengshan extensional dome in central South China and its tectonic implications: New insights into low-angle detachment formation. <i>Gondwana Research</i> , 2016 , 35, 425-441	5.1	16
49	Tectonically driven organic fluid migration in the Dabashan Foreland Belt: Evidenced by geochemistry and geothermometry of vein-filling fibrous calcite with organic inclusions. <i>Journal of Asian Earth Sciences</i> , 2013 , 75, 202-212	2.8	16
48	The Jurassic structural evolution of the western Daqingshan area, eastern Yinshan belt, North China. <i>International Geology Review</i> , 2017 , 59, 1885-1907	2.3	15
47	Meso-Cenozoic tectonic evolution of the Dangyang Basin, north-central Yangtze craton, central China. <i>International Geology Review</i> , 2013 , 55, 382-396	2.3	15
46	Neoproterozoic Granitoid Did Not Record Ultrahigh-Pressure Metamorphism from the Southern Dabieshan of China. <i>Journal of Geology</i> , 2003 , 111, 719-732	2	15
45	Middle Jurassic syn-kinematic magmatism, anatexis and metamorphism in the Zheduo-Gonggar massif, implication for the deformation of the Xianshuihe fault zone, East Tibet. <i>Journal of Asian Earth Sciences</i> , 2015 , 107, 35-52	2.8	14
44	Late Cenozoic sedimentation of Nihewan Basin, central North China and its tectonic significance. <i>Journal of Asian Earth Sciences</i> , 2015 , 114, 242-257	2.8	14
43	Differential exhumation of tectonic units and ultrahigh-pressure metamorphic rocks in the Dabie Mountains, China. <i>Island Arc</i> , 1998 , 7, 174-183	2	14
42	Moho-mapping in the Dabie ultrahigh-pressure collisional orogen, central China. <i>Numerische Mathematik</i> , 2008 , 308, 517-528	5.3	14

41	Continental dynamics of Eastern China: Insights from tectonic history and receiver function analysis. <i>Earth-Science Reviews</i> , 2015 , 145, 9-24	10.2	13
40	Numerical investigation of the geodynamic mechanism for the late Jurassic deformation of the Ordos block and surrounding orogenic belts. <i>Journal of Asian Earth Sciences</i> , 2015 , 114, 623-633	2.8	12
39	Tectonic history of the Ordos Block and Qinling Orogen inferred from crustal thickness. <i>Geophysical Journal International</i> , 2017 , 210, 303-320	2.6	12
38	A multidisciplinary Earth science research program in China. <i>Eos</i> , 2011 , 92, 313-314	1.5	12
37	Episodic Mesozoic constructional events of central South China: constraints from lines of evidence of superimposed folds, fault kinematic analysis, and magma geochronology. <i>International Geology Review</i> , 2016 , 58, 1076-1107	2.3	11
36	The deformation and tectonic evolution of the Huahui Basin, northeast China, during the Cretaceous-Early Cenozoic. <i>Journal of Asian Earth Sciences</i> , 2015 , 114, 717-731	2.8	11
35	Mineral chemistry, geochemistry and U-Pb SHRIMP zircon data of the Yangxin monzonitic intrusive in the foreland of the Dabie orogen. <i>Science in China Series D: Earth Sciences</i> , 2006 , 49, 684-695		11
34	Orogeny processes of the western Jiangnan Orogen, South China: Insights from Neoproterozoic igneous rocks and a deep seismic profile. <i>Journal of Geodynamics</i> , 2017 , 103, 42-56	2.2	10
33	Tectonically controlled evolution of the Yellow River drainage system in the Weihe region, North China: Constraints from sedimentation, mineralogy and geochemistry. <i>Journal of Asian Earth Sciences</i> , 2019 , 179, 350-364	2.8	10
32	Early Paleozoic tectonic reactivation of the Shaoxing-Jiangshan fault zone: Structural and geochronological constraints from the Chencai domain, South China. <i>Journal of Structural Geology</i> , 2018 , 110, 116-130	3	10
31	Late Paleogene sinistral strike-slip system along east Qinling and in southern North China: Implications for interaction between collision-related block trans-rotation and subduction-related back-arc extension in East China. <i>Tectonophysics</i> , 2019 , 769, 228181	3.1	10
30	Discovery of low grade metamorphic volcanic rock sheets within UHP in Dabie Mts. and its implications. <i>Science Bulletin</i> , 1997 , 42, 1199-1203		10
29	Kinematics of exhumation of high- and ultrahigh-pressure rocks in the Hong'an and Tongbai Shan of the Qinling-Dabie collisional orogen, eastern China 2001 ,		10
28	New insights into Paleoproterozoic tectonics of the Yangtze Block in the context of early Nuna assembly: Possible collisional granitic magmatism in the Zhongxiang Complex, South China. <i>Precambrian Research</i> , 2019 , 334, 105452	3.9	9
27	Seismic structure of the Longmenshan area in SW China inferred from receiver function analysis: Implications for future large earthquakes. <i>Journal of Asian Earth Sciences</i> , 2014 , 96, 226-236	2.8	8
26	Apatite fission track geochronology of the Southern Hunan province across the Shi-Hang Belt: insights into the Cenozoic dynamic topography of South China. <i>International Geology Review</i> , 2017 , 59, 981-995	2.3	8
25	Anisotropic upper crust above the aftershock zone of the 2013 Ms 7.0 Lushan earthquake from the shear wave splitting analysis. <i>Geochemistry, Geophysics, Geosystems</i> , 2015 , 16, 3679-3696	3.6	8
24	Formation of the Moping Dome in the Xuefengshan Orocline, Central China and its Tectonic Significance. <i>Acta Geologica Sinica</i> , 2013 , 87, 720-729	0.7	8

23	Zircon U-Pb SHRIMP ages of weakly to unmetamorphosed granitoids of the Yangtze basement outcrop in Dabieshan, central China. <i>Journal of Asian Earth Sciences</i> , 2006 , 27, 779-787	2.8	7
22	Yanshanian deformation along the northern margin of the North China Craton: Constraints from growth strata in the Shiguai Basin, Inner Mongolia, China. <i>Basin Research</i> , 2018 , 30, 1155-1179	3.2	6
21	Lithospheric delamination and upwelling asthenosphere in the Longmenshan area: insight from teleseismic P-wave tomography. <i>Scientific Reports</i> , 2019 , 9, 6967	4.9	5
20	Early Devonian (415–400 Ma) A-type granitoids and diabases in the Wuyishan, eastern Cathaysia: A signal of crustal extension coeval with the separation of South China from Gondwana. <i>Bulletin of the Geological Society of America</i> , 2020 , 132, 2295-2317	3.9	5
19	Seismic Technique for Studying Sedimentary Layer: Bohai Basin as an Example. <i>Acta Geologica Sinica</i> , 2012 , 86, 1105-1115	0.7	5
18	Jurassic intracontinental deformation of the central North China Plate: Insights from syn-tectonic sedimentation, structural geology, and U-Pb geochronology of the Yungang Basin, North China. <i>Tectonophysics</i> , 2020 , 778, 228371	3.1	4
17	Formation of Natural Bitumen and its Implication for Oil/gas Prospect in Dabashan Foreland. <i>Acta Geologica Sinica</i> , 2012 , 86, 462-472	0.7	4
16	Active tectonics in Taiwan: insights from a 3-D viscous finite element model. <i>Earthquake Science</i> , 2015 , 28, 353-363	1.5	4
15	Age and chemical composition of Archean metapelites in the Zhongxiang Complex and implications for early crustal evolution of the Yangtze Craton. <i>Lithos</i> , 2018 , 320-321, 280-301	2.9	4
14	Magnetostratigraphic ages of the Cenozoic Weihe and Shanxi Grabens in North China and their tectonic implications. <i>Tectonophysics</i> , 2021 , 813, 228914	3.1	4
13	Xenocrystic/inherited Precambrian zircons entrained within igneous rocks from eastern South China: Tracking unexposed ancient crust and implications for late Paleoproterozoic orogenesis. <i>Gondwana Research</i> , 2020 , 84, 194-210	5.1	3
12	Formation process of mid-Neoproterozoic mafic rocks from the western Jiangnan Orogen, South China: insights from SHRIMP U-Pb dating and geochemical analysis. <i>International Geology Review</i> , 2018 , 60, 365-381	2.3	3
11	Characteristics of Hydrocarbon Fluid Inclusions and Their Significance for Evolution of Petroleum Systems in the Dabashan Foreland, Central China. <i>Acta Geologica Sinica</i> , 2015 , 89, 861-875	0.7	3
10	Crustal thickening and uplift of the Tibetan Plateau inferred from receiver function analysis. <i>Journal of Asian Earth Sciences</i> , 2015 , 99, 112-124	2.8	3
9	Late Mesozoic intracontinental deformation and magmatism in North and NE China in response to multi-plate convergence in NE Asia: An overview and new view. <i>Tectonophysics</i> , 2022 , 229377	3.1	2
8	Geochronology, geochemistry, and tectonic implications of Jishou Cretaceous diabase, western Xuefengshan tectonic zone in South China. <i>Geological Journal</i> , 2018 , 53, 1186-1199	1.7	1
7	Mechanism on Moho offset induced by aseismic slip of deeply buried faults. <i>Earthquake Science</i> , 2014 , 27, 247-256	1.5	1
6	Experimental investigation of phase transformations of olivine and enstatite at the lower part of the mantle transition zone: Implications for structure of the 660 km seismic discontinuity. <i>Science China Earth Sciences</i> , 2014 , 57, 592-599	4.6	1

- 5 Oil/Gas migration and aggregation in intra-continental orogen based on numerical simulation: A case study from the Dabashan orocline, Central China. *Journal of Earth Science (Wuhan, China)*, **2013**, 24, 254-261 2.2 1
- 4 Samarium-Neodymium and Strontium Systematics Applied to Calcite Veins in Dabashan Thrust and Fold Belt in China: Dating and Tracing of the Fluid. *Advanced Materials Research*, **2012**, 455-456, 1552-1560 0.5 1
- 3 Polyphase deformation in the Badu complex: Insights into Triassic intraplate orogeny in South China. *Journal of Structural Geology*, **2021**, 104475 3 1
- 2 Subduction characteristics of the ordovician erlangping back-arc basin in the east qinling mountains, china: implications for the tectonic evolution of the northern margin of the proto-tethys ocean. *International Geology Review*, 1-21 2.3 1
- 1 Nature and Evolution of Pre-Neoproterozoic Continental Crust in South China: A Review and Tectonic Implications. *Acta Geologica Sinica*, **2020**, 94, 1731 0.7 0