

Christopher K Morley

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119
papers

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37
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62
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121
ext. papers

4,992
ext. citations

3.7
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L-index

#	Paper	IF	Citations
119	A tectonic model for the Tertiary evolution of strike-slip faults and rift basins in SE Asia. <i>Tectonophysics</i> , 2002 , 347, 189-215	3.1	335
118	Late Cretaceous-Early Palaeogene tectonic development of SE Asia. <i>Earth-Science Reviews</i> , 2012 , 115, 37-75	10.2	208
117	Activation of rift oblique and rift parallel pre-existing fabrics during extension and their effect on deformation style: examples from the rifts of Thailand. <i>Journal of Structural Geology</i> , 2004 , 26, 1803-1829	2.9	191
116	Deepwater fold and thrust belt classification, tectonics, structure and hydrocarbon prospectivity: A review. <i>Earth-Science Reviews</i> , 2011 , 104, 41-91	10.2	184
115	The Brunei slide: A giant submarine landslide on the North West Borneo Margin revealed by 3D seismic data. <i>Marine Geology</i> , 2007 , 246, 9-23	3.3	123
114	Major unconformities/termination of extension events and associated surfaces in the South China Seas: Review and implications for tectonic development. <i>Journal of Asian Earth Sciences</i> , 2016 , 120, 62-86	2.8	107
113	Cenozoic extension in northern Kenya: a quantitative model of rift basin development in the Turkana region. <i>Tectonophysics</i> , 1994 , 236, 409-438	3.1	107
112	Variations in Late Cenozoic-Recent strike-slip and oblique-extensional geometries, within Indochina: The influence of pre-existing fabrics. <i>Journal of Structural Geology</i> , 2007 , 29, 36-58	3	106
111	Nested strike-slip duplexes, and other evidence for Late Cretaceous-Palaeogene transpressional tectonics before and during India-Eurasia collision, in Thailand, Myanmar and Malaysia. <i>Journal of the Geological Society</i> , 2004 , 161, 799-812	2.7	101
110	Stress re-orientation along zones of weak fabrics in rifts: An explanation for pure extension in oblique-rift segments?. <i>Earth and Planetary Science Letters</i> , 2010 , 297, 667-673	5.3	99
109	The basins of Sundaland (SE Asia): Evolution and boundary conditions. <i>Marine and Petroleum Geology</i> , 2014 , 58, 555-578	4.7	92
108	Subsidence in the super-deep Pattani and Malay basins of Southeast Asia: a coupled model incorporating lower-crustal flow in response to post-rift sediment loading. <i>Basin Research</i> , 2006 , 18, 51-84	3.2	90
107	Characteristics of repeated, detached, Miocene-Pliocene tectonic inversion events, in a large delta province on an active margin, Brunei Darussalam, Borneo. <i>Journal of Structural Geology</i> , 2003 , 25, 1147-1169	3.1	90
106	Late Oligocene-Recent stress evolution in rift basins of northern and central Thailand: implications for escape tectonics. <i>Tectonophysics</i> , 2001 , 334, 115-150	3.1	83
105	Neo-Tethyan magmatism and metallogeny in Myanmar [An Andean analogue?. <i>Journal of Asian Earth Sciences</i> , 2015 , 106, 197-215	2.8	79
104	The closure of Palaeo-Tethys in Eastern Myanmar and Northern Thailand: New insights from zircon U-Pb and Hf isotope data. <i>Gondwana Research</i> , 2016 , 39, 401-422	5.1	78
103	Sundaland Basins. <i>Geophysical Monograph Series</i> , 2004 , 55-85	1.1	74

102	Present-day stress and neotectonics of Brunei: Implications for petroleum exploration and production. <i>AAPG Bulletin</i> , 2009 , 93, 75-100	2.5	68
101	Fault superimposition and linkage resulting from stress changes during rifting: Examples from 3D seismic data, Phitsanulok Basin, Thailand. <i>Journal of Structural Geology</i> , 2007 , 29, 646-663	3	64
100	How successful are analogue models in addressing the influence of pre-existing fabrics on rift structure?. <i>Journal of Structural Geology</i> , 1999 , 21, 1267-1274	3	64
99	The tectonic and metallogenic framework of Myanmar: A Tethyan mineral system. <i>Ore Geology Reviews</i> , 2016 , 79, 26-45	3.2	58
98	Development of crestal normal faults associated with deepwater fold growth. <i>Journal of Structural Geology</i> , 2007 , 29, 1148-1163	3	56
97	Variation in vertical stress in the Baram Basin, Brunei: tectonic and geomechanical implications. <i>Marine and Petroleum Geology</i> , 2003 , 20, 1201-1212	4.7	53
96	Discussion of origins of hinterland basins to the Rif-Betic Cordillera and Carpathians. <i>Tectonophysics</i> , 1993 , 226, 359-376	3.1	53
95	Is spreading prolonged, episodic or incipient in the Andaman Sea? Evidence from deepwater sedimentation. <i>Journal of Asian Earth Sciences</i> , 2015 , 98, 446-456	2.8	51
94	The Caledonian thrust front and palinspastic restorations in the southern Norwegian Caledonides. <i>Journal of Structural Geology</i> , 1986 , 8, 753-765	3	50
93	Interaction of deep and shallow processes in the evolution of the Kenya rift. <i>Tectonophysics</i> , 1994 , 236, 81-91	3.1	49
92	The crustal architecture of Myanmar imaged through zircon U-Pb, Lu-Hf and O isotopes: Tectonic and metallogenic implications. <i>Gondwana Research</i> , 2018 , 62, 27-60	5.1	48
91	Development of the Khao Khwang Fold and Thrust Belt: Implications for the geodynamic setting of Thailand and Cambodia during the Indosinian Orogeny. <i>Journal of Asian Earth Sciences</i> , 2013 , 62, 705-719	3.8	47
90	Discussion of tectonic models for Cenozoic strike-slip fault-affected continental margins of mainland SE Asia. <i>Journal of Asian Earth Sciences</i> , 2013 , 76, 137-151	2.8	47
89	Balancing deformation in NW Borneo: Quantifying plate-scale vs. gravitational tectonics in a delta and deepwater fold-thrust belt system. <i>Marine and Petroleum Geology</i> , 2010 , 27, 238-246	4.7	47
88	Interaction between critical wedge geometry and sediment supply in a deep-water fold belt. <i>Geology</i> , 2007 , 35, 139	5	47
87	Relationship between structural style, overpressures, and modern stress, Baram Delta Province, northwest Borneo. <i>Journal of Geophysical Research</i> , 2008 , 113,		44
86	Fold-generated imbricates: examples from the Caledonides of Southern Norway. <i>Journal of Structural Geology</i> , 1994 , 16, 619-631	3	44
85	Review of major shale-dominated detachment and thrust characteristics in the diagenetic zone: Part I, meso- and macro-scopic scale. <i>Earth-Science Reviews</i> , 2017 , 173, 168-228	10.2	42

84	The origin and evolution of complex transfer zones (graben shifts) in conjugate fault systems around the Funan Field, Pattani Basin, Gulf of Thailand. <i>Journal of Structural Geology</i> , 2002 , 24, 435-449	3	41
83	Geometry and evolution of low-angle normal faults (LANF) within a Cenozoic high-angle rift system, Thailand: Implications for sedimentology and the mechanisms of LANF development. <i>Tectonics</i> , 2009 , 28, n/a-n/a	4.3	39
82	Detrital zircon analysis of the southwest Indochina terrane, central Thailand: Unravelling the Indosinian orogeny. <i>Bulletin of the Geological Society of America</i> , 2016 , 128, 1024-1043	3.9	37
81	Hydrocarbon potential of the Meso-Cenozoic Turkana Depression, northern Kenya. I. Reservoirs: depositional environments, diagenetic characteristics, and source rock-reservoir relationships. <i>Marine and Petroleum Geology</i> , 2004 , 21, 41-62	4.7	36
80	3D Seismic study of a shale expulsion syncline at the base of the Champion delta, offshore Brunei and its implications for the early structural evolution of large delta systems. <i>Marine and Petroleum Geology</i> , 2000 , 17, 861-872	4.7	36
79	Timing of metamorphism of the Lansang gneiss and implications for left-lateral motion along the Mae Ping (Wang Chao) strike-slip fault, Thailand. <i>Journal of Asian Earth Sciences</i> , 2013 , 76, 120-136	2.8	35
78	Structural and tectonic development of the Indo-Burma ranges. <i>Earth-Science Reviews</i> , 2020 , 200, 102992	20.2	35
77	Topological characteristics of simple and complex normal fault networks. <i>Journal of Structural Geology</i> , 2016 , 84, 68-84	3	34
76	The widespread occurrence of low-angle normal faults in a rift setting: Review of examples from Thailand, and implications for their origin and evolution. <i>Earth-Science Reviews</i> , 2014 , 133, 18-42	10.2	34
75	Present-day stress and neotectonic provinces of the Baram Delta and deep-water fold-thrust belt. <i>Journal of the Geological Society</i> , 2009 , 166, 197-200	2.7	34
74	Syn-rift and post-rift modelling of the Pattani Basin, Thailand: evidence for a ramp-flat detachment. <i>Marine and Petroleum Geology</i> , 2000 , 17, 937-958	4.7	34
73	Stratigraphic development of synkinematic deposits in a large growth-fault system, onshore Brunei Darussalam. <i>Journal of the Geological Society</i> , 2005 , 162, 243-257	2.7	31
72	Review of major shale-dominated detachment and thrust characteristics in the diagenetic zone: Part II, rock mechanics and microscopic scale. <i>Earth-Science Reviews</i> , 2018 , 176, 19-50	10.2	29
71	Subsurface sediment mobilization: introduction. <i>Geological Society Special Publication</i> , 2003 , 216, 1-8	1.7	28
70	Evolution of deep-water synkinematic sedimentation in a piggyback basin, determined from three-dimensional seismic reflection data 2008 , 4, 939		27
69	Tectonic and thermal evolution of Thailand in the regional context of SE Asia 2011 , 539-571		27
68	Notes on Neogene basin history of the Western Alboran Sea and its implications for the tectonic evolution of the Rif-Betic orogenic belt. <i>Journal of African Earth Sciences (and the Middle East)</i> , 1992 , 14, 57-65		26
67	Structural and fluid evolution of Saraburi Group sedimentary carbonates, central Thailand: A tectonically driven fluid system. <i>Marine and Petroleum Geology</i> , 2014 , 55, 100-121	4.7	25

66	Determination of the tectonic evolution from fractures, faults, and calcite twins on the southwestern margin of the Indochina Block. <i>Tectonics</i> , 2015 , 34, 1576-1599	4.3	25
65	Marked along-strike variations in dip of normal faults—the Lokichar fault, N. Kenya rift: a possible cause for metamorphic core complexes. <i>Journal of Structural Geology</i> , 1999 , 21, 479-492	3	25
64	Dating the onset of motion on the Sagaing fault: Evidence from detrital zircon and titanite U-Pb geochronology from the North Minwun Basin, Myanmar. <i>Geology</i> , 2019 , 47, 581-585	5	24
63	Hydrocarbon potential of the Meso-Cenozoic Turkana Depression, northern Kenya. II. Source rocks: quality, maturation, depositional environments and structural control. <i>Marine and Petroleum Geology</i> , 2004 , 21, 63-78	4.7	24
62	Lateral and vertical changes of deformation style in the Osen-rift thrust sheet, Oslo region. <i>Journal of Structural Geology</i> , 1987 , 9, 331-343	3	24
61	Did Oligocene crustal thickening precede basin development in northern Thailand? A geochronological reassessment of Doi Inthanon and Doi Suthep. <i>Lithos</i> , 2016 , 240-243, 69-83	2.9	23
60	Understanding Sibumasu in the context of ribbon continents. <i>Gondwana Research</i> , 2018 , 64, 184-215	5.1	23
59	Growth faults above shale – seismic-scale outcrop analogues from the Makran foreland, SW Pakistan. <i>Marine and Petroleum Geology</i> , 2016 , 70, 144-162	4.7	21
58	Complex structure of an upper-level shale detachment zone: Khao Khwang fold and thrust belt, Central Thailand. <i>Journal of Structural Geology</i> , 2014 , 67, 140-153	3	21
57	Present-day stress orientations and tectonic provinces of the NW Borneo collisional margin. <i>Journal of Geophysical Research</i> , 2010 , 115,		20
56	Pore pressure/stress coupling in Brunei Darussalam – implications for shale injection. <i>Geological Society Special Publication</i> , 2003 , 216, 369-379	1.7	20
55	Vertical strain variations in the Osen-Rift thrust sheet, North-western Oslo Fjord, Norway. <i>Journal of Structural Geology</i> , 1986 , 8, 621-632	3	20
54	Structure of the Sibumasu-Indochina collision, central Thailand: A section through the Khao Khwang Fold and thrust belt. <i>Journal of Asian Earth Sciences</i> , 2014 , 95, 182-191	2.8	19
53	Interpretation of gravity and magnetic data and development of two-dimensional cross-sectional models for the Border Ranges fault system, south-central Alaska 2013 , 9, 242-259		19
52	Hydrocarbons in rift basins: the role of stratigraphy. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 1999 , 357, 877-900	3	19
51	Tertiary stratigraphy 223-271		19
50	Impact of pre-existing fabrics and multi-phase oblique extension on Cenozoic fault patterns, Wichianburi sub-basin of the Phetchabun rift, Thailand. <i>Journal of Structural Geology</i> , 2019 , 118, 340-361	3	19
49	Probing into Thailand’s basement: New insights from U-Pb geochronology, Sr, Sm-Nd, Pb and Lu-Hf isotopic systems from granitoids. <i>Lithos</i> , 2018 , 320-321, 332-354	2.9	19

48	The Khao Yai Fault on the southern margin of the Khorat Plateau, and the pattern of faulting in Southeast Thailand. <i>Proceedings of the Geologists Association</i> , 2011 , 122, 143-156	1.1	18
47	3-D seismic imaging of the plumbing system of the Kora Volcano, Taranaki Basin, New Zealand: The influence of syn-rift structure on shallow igneous intrusion architecture 2018 , 14, 2533-2584		18
46	Wedge Geometry and Detachment Strength in Deepwater Fold-Thrust Belts. <i>Earth-Science Reviews</i> , 2017 , 165, 268-279	10.2	17
45	Geochronological and geochemical studies of mafic and intermediate dykes from the Khao Khwang Fold-Thrust Belt: Implications for petrogenesis and tectonic evolution. <i>Gondwana Research</i> , 2016 , 36, 124-141	5.1	17
44	New style of honeycomb structures revealed on 3D seismic data indicate widespread diagenesis offshore Great South Basin, New Zealand. <i>Marine and Petroleum Geology</i> , 2017 , 86, 140-154	4.7	16
43	Syn-kinematic sedimentation at a releasing splay in the northern Minwun Ranges, Sagaing Fault zone, Myanmar: significance for fault timing and displacement. <i>Basin Research</i> , 2017 , 29, 684-700	3.2	15
42	Palaeostress magnitudes in the Khao Khwang fold-thrust belt, new insights into the tectonic evolution of the Indosinian orogeny in central Thailand. <i>Tectonophysics</i> , 2017 , 710-711, 266-276	3.1	14
41	Comparison of modern fluid distribution, pressure and flow in sediments associated with anticlines growing in deepwater (Brunei) and continental environments (Iran). <i>Marine and Petroleum Geology</i> , 2014 , 51, 210-229	4.7	14
40	Outcrop examples of mudstone intrusions from the Jerudong anticline, Brunei Darussalam and inferences for hydrocarbon reservoirs. <i>Geological Society Special Publication</i> , 2003 , 216, 381-394	1.7	14
39	Re-evaluation of mobile shale occurrences on seismic sections of the Champion and Baram deltas, offshore Brunei. <i>Geological Society Special Publication</i> , 2003 , 216, 395-409	1.7	13
38	Geology of the Turkana Grits in the Lariu range and Mt. Porr areas, southern Lake Turkana, Northwestern Kenya. <i>Journal of African Earth Sciences (and the Middle East)</i> , 1993 , 16, 425-435		13
37	Syn-deformation temperature and fossil fluid pathways along an exhumed detachment zone, Khao Khwang fold-thrust belt, Thailand. <i>Tectonophysics</i> , 2015 , 655, 73-87	3.1	12
36	Outcrop examples of soft-sediment deformation associated with normal fault terminations in deepwater, Eocene turbidites: A previously undescribed conjugate fault termination style?. <i>Journal of Structural Geology</i> , 2014 , 69, 189-208	3	11
35	Degradation of a footwall fault block with hanging-wall fault propagation in a continental-lacustrine setting: How a new structural model impacted field development plans, the Sirikit field, Thailand. <i>AAPG Bulletin</i> , 2007 , 91, 1637-1661	2.5	11
34	The role of strike-slip faulting in the history of the Hukawng Block and the Jade Mines Uplift, Myanmar. <i>Proceedings of the Geologists Association</i> , 2019 , 130, 126-141	1.1	11
33	3D seismic investigation of the structural and stratigraphic characteristics of the Pagasa Wedge, Southwest Palawan Basin, Philippines, and their tectonic implications. <i>Journal of Asian Earth Sciences</i> , 2018 , 154, 213-237	2.8	10
32	Hydrocarbon generation—a possible cause of elevated pore pressures in the Osen-Roa thrust sheet, Norway. <i>Journal of Structural Geology</i> , 1992 , 14, 743-747	3	9
31	Sill emplacement during rifting and inversion from three-dimensional seismic and well data, Phitsanulok Basin, Thailand 2017 , 13, 2017-2040		9

30	Stratigraphy of deformed Permian carbonate reefs in Saraburi Province, Thailand. <i>Journal of the Geological Society</i> , 2018 , 175, 163-175	2.7	8
29	Macrostructures vs microstructures in evaporite detachments: An example from the Salt Range, Pakistan. <i>Journal of Asian Earth Sciences</i> , 2015 , 113, 922-934	2.8	7
28	Tectonic compaction shortening in toe region of isolated listric normal fault, North Taranaki Basin, New Zealand. <i>Basin Research</i> , 2018 , 30, 424-436	3.2	7
27	Link between growth faulting and initiation of a mass transport deposit in the northern Taranaki Basin, New Zealand. <i>Basin Research</i> , 2018 , 30, 237-248	3.2	7
26	The origin of separate oil and gas accumulations in adjacent anticlines in Central Iran. <i>Marine and Petroleum Geology</i> , 2013 , 44, 96-111	4.7	7
25	Synrift magmatism in a Cenozoic rift basin, from 3D seismic data, Wichianburi Sub-basin, Phetchabun Basin, Thailand: part 1. Distribution and timing of intrusions and forced folds. <i>Journal of the Geological Society</i> , 2020 , 177, 189-210	2.7	6
24	Geological model and development of the Cenozoic Wiang Pa Pao Basin, Chiang Rai Province, Northern Thailand, based on gravity data modelling and surface structural interpretation. <i>Tectonophysics</i> , 2020 , 786, 228454	3.1	5
23	Investigating polygonal fault topological variability: Structural causes vs image resolution. <i>Journal of Structural Geology</i> , 2020 , 130, 103930	3	5
22	The West Burma Terrane, a review of recent paleo-latitude data, its geological implications and constraints. <i>Earth-Science Reviews</i> , 2021 , 220, 103722	10.2	5
21	Constraining the timing of shale detachment faulting: A geochemical approach. <i>Lithosphere</i> , 2017 , 9, 431-440	2.7	4
20	Evolution of a major extensional boundary fault system during multi-phase rifting in the Songkhla Basin, Gulf of Thailand. <i>Journal of Asian Earth Sciences</i> , 2019 , 172, 1-13	2.8	4
19	In situ stress and natural fractures in the Carnarvon Basin, North West Shelf, Australia. <i>Exploration Geophysics</i> , 2019 , 50, 514-531	1	4
18	Quantitative interpretation of seismic attributes for reservoir characterization of Early-Middle Miocene syn- and post-rift successions (Songkhla Basin, Gulf of Thailand). <i>Marine and Petroleum Geology</i> , 2019 , 109, 791-807	4.7	4
17	Chert geochemistry, depositional setting, stratigraphic and structural significance for the Permian Nong Pong Formation, Khao Khwang Fold and Thrust Belt, Saraburi, Thailand. <i>Journal of Asian Earth Sciences</i> , 2020 , 191, 104234	2.8	4
16	The Andaman Basin Central Fault Zone, Andaman Sea: Characteristics of a major deepwater strike-slip fault system in a polyphase rift. <i>Marine and Petroleum Geology</i> , 2021 , 128, 104997	4.7	4
15	Data analysis of the U-Pb geochronology and Lu-Hf system in zircon and whole-rock Sr, Sm-Nd and Pb isotopic systems for the granitoids of Thailand. <i>Data in Brief</i> , 2018 , 21, 1794-1809	1.2	4
14	Secondary detachments within carbonates of the Saraburi Group, Triassic Khao Khwang fold and Thrust Belt, Thailand. <i>Journal of Structural Geology</i> , 2020 , 140, 104162	3	3
13	Late Eocene-Oligocene granulite facies garnet-sillimanite migmatites from the Mogok Metamorphic belt, Myanmar, and implications for timing of slip along the Sagaing Fault. <i>Lithos</i> , 2021 , 386-387, 106027	2.9	3

12	Structure and evolution of the Ban Pong Basin, Chiang Mai Province, Thailand. <i>Journal of Asian Earth Sciences</i> , 2019 , 172, 208-220	2.8	3
11	Structure of the Mae On Depression, Chiang Mai province, based on gravity modelling and geological field observation: Implications for tectonic evolution of the Chiang Mai-Chiang Rai Suture Zone, Northern Thailand. <i>Journal of Asian Earth Sciences</i> , 2020 , 190, 104186	2.8	2
10	Cenozoic tectonic evolution of southeastern Thailand derived from low-temperature thermochronology. <i>Journal of the Geological Society</i> , 2020 , 177, 395-411	2.7	2
9	Reply to discussion by spreading prolong, episodic or incipient in the Andaman Sea? Evidence from deepwater sedimentation by J.R. Curray 2015. <i>Journal of Asian Earth Sciences</i> , 2016 , 115, 62-68	2.8	1
8	Structure and tectonics of a Late Jurassic, arcuate fold belt in the Ban Don Group, Southern Vietnam. <i>Tectonophysics</i> , 2021 , 817, 229040	3.1	0
7	Development of an intra-carbonate detachment during thrusting: The variable influence of pressure solution on deformation style, Khao Khwang Fold and Thrust Belt, Thailand 2021 , 17, 602-625		0
6	Constraints on the Structure of the Border Ranges Fault System, Kenai Peninsula, Alaska from the Preliminary Results of the 3D Inversion Model of Gravity Data. <i>ASEG Extended Abstracts</i> , 2013 , 2013, 1-3	0.2	
5	Interaction of thin-skinned detached faults and basement-involved strike-slip faults on a transform margin: the Moattama Basin, Myanmar. <i>Geological Society Special Publication</i> , SP524-2021-90	1.7	
4	Combining finite strain analysis and illite crystallinity to examine strain variation in a shale detachment zone. <i>Journal of Asian Earth Sciences</i> , 2019 , 174, 283-293	2.8	
3	Fault sealing 2020 , 283-350		
2	Synrift magmatism in a Cenozoic rift basin from 3D seismic data, Wichianburi Sub-basin, Petchabun Basin, Thailand: part 2. How rift structure and stratigraphy modify intrusion morphology. <i>Journal of the Geological Society</i> , 2020 , 177, 211-230	2.7	
1	Lithologic modeling using VES method for subsurface structure delineation with geological constraints, eastern margin of Chiang Mai Basin and southwestern margin of Mae On Depression, San Kamphaeng District, Chiang Mai Province, northern Thailand. <i>Geosciences Journal</i> , 2021 , 25, 479-494	1.4	