Gianreto Manatschal

List of Publications by Year
in descending order

148 papers	10,045 citations	30070 54 h-index	37204 96 g-index
151 all docs	151 docs citations	151 times ranked	3214 citing authors

#	Article	IF	Citations
1	Evolution of magma-poor continental margins from rifting to seafloor spreading. Nature, 2001, 413, 150-154.	27.8	531
2	A mechanism to thin the continental lithosphere at magma-poor margins. Nature, 2006, 440, 324-328.	27.8	523
3	New models for evolution of magma-poor rifted margins based on a review of data and concepts from West Iberia and the Alps. International Journal of Earth Sciences, 2004, 93, 432.	1.8	385
4	The final rifting evolution at deep magma-poor passive margins from Iberia-Newfoundland: aÂnew point of view. International Journal of Earth Sciences, 2009, 98, 1581-1597.	1.8	347
5	Structural comparison of archetypal Atlantic rifted margins: A review of observations and concepts. Marine and Petroleum Geology, 2013, 43, 21-47.	3.3	321
6	Tectonosedimentary evolution related to extreme crustal thinning ahead of a propagating ocean: Example of the western Pyrenees. Tectonics, 2009, 28, .	2.8	288
7	Formation and deformation of hyperextended rift systems: Insights from rift domain mapping in the Bay of Biscay-Pyrenees. Tectonics, 2014, 33, 1239-1276.	2.8	239
8	A type sequence across an ancient magma-poor oceanâ€“continent transition: the example of the western Alpine Tethys ophiolites. Tectonophysics, 2009, 473, 4-19.	2.2	238
9	Kinematics of Jurassic rifting, mantle exhumation, and passive-margin formation in the Austroalpine and Penninic nappes (eastern Switzerland). Bulletin of the Geological Society of America, 1996, 108, 1120-1133.	3.3	211
10	Tectonosedimentary evolution of the deep Iberia-Newfoundland margins: Evidence for a complex breakup history. Tectonics, 2007, 26, n/a-n/a.	2.8	210
11	Architecture and tectonic evolution of nonvolcanic margins: Present-day Galicia and ancient Adria. Tectonics, 1999, 18, 1099-1119.	2.8	190
12	Necking of continental crust in magmaâ€poor rifted margins: Evidence from the fossil Alpine Tethys margins. Tectonics, 2012, 31, .	2.8	184
13	Plagioclase Peridotites in Ocean-Continent Transitions: Refertilized Mantle Domains Generated by Melt Stagnation in the Shallow Mantle Lithosphere. Journal of Petrology, 2010, 51, 255-294.	2.8	183
14	Magmatic breakup as an explanation for magnetic anomalies at magma-poor rifted margins. Nature Geoscience, 2011, 4, 549-553.	12.9	181
15	Hyper-extended crust in the South Atlantic: in search of a model. Petroleum Geoscience, 2010, 16, 207-215.	1.5	175
16	Quantification and restoration of extensional deformation along the Western Iberia and Newfoundland rifted margins. Geochemistry, Geophysics, Geosystems, 2013, 14, 2575-2597.	2.5	174
17	From microcontinents to extensional allochthons: witnesses of how continents rift and break apart?. Petroleum Geoscience, 2010, 16, 189-197.	1.5	167
18	Exhumed mantle-forming transitional crust in the Newfoundland-Iberia rift and associated magnetic anomalies. Journal of Geophysical Research, 2007, 112, .	3.3	155

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19	The role of inheritance in structuring hyperextended rift systems: Some considerations based on observations and numerical modeling. Gondwana Research, 2015, 27, 140-164.	6.0	143
20	Unravelling the interaction between tectonic and sedimentary processes during lithospheric thinning in the Alpine Tethys margins. International Journal of Earth Sciences, 2010, 99, 75-101.	1.8	142
21	The tectono-sedimentary evolution of a hyper-extended rift basin: the example of the Arzacqâ€“MaulÃ©on rift system (Western Pyrenees, SW France). International Journal of Earth Sciences, 2014, 103, 1569-1596.	1.8	137
22	How does the continental crust thin in a hyperextended rifted margin? Insights from the Iberia margin. Geology, 2012, 40, 139-142.	4.4	136
23	Spatial and temporal evolution of hyperextended rift systems: Implication for the nature, kinematics, and timing of the Iberian-European plate boundary. Geology, 2015, 43, 15-18.	4.4	133
24	The rift-to-drift transition in the North Atlantic: A stuttering start of the MORB machine?. Geology, 2007, 35, 1087.	4.4	129
25	Kinematic Evolution of the Southern North Atlantic: Implications for the Formation of Hyperextended Rift Systems. Tectonics, 2018, 37, 89-118.	2.8	122
26	The transition from rifting to sea-floor spreading within a magma-poor rifted margin: field and isotopic constraints. Terra Nova, 2002, 14, 156-162.	2.1	121
27	High degrees of melt extraction recorded by spinel harzburgite of the Newfoundland margin: The role of inheritance and consequences for the evolution of the southern North Atlantic. Earth and Planetary Science Letters, 2006, 252, 437-452.	4.4	116
28	The role of detachment faulting in the formation of an ocean-continent transition: insights from the Iberia Abyssal Plain. Geological Society Special Publication, 2001, 187, 405-428.	1.3	110
29	Recognizing remnants of magma-poor rifted margins in high-pressure orogenic belts: The Alpine case study. Earth-Science Reviews, 2014, 131, 88-115.	9.1	110
30	The Chenaillet Ophiolite in the French/Italian Alps: An ancient analogue for an Oceanic Core Complex?. Lithos, 2011, 124, 169-184.	1.4	107
31	The Alpine Tethys rifted margins: Reconciling old and new ideas to understand the stratigraphic architecture of magmaâ€poor rifted margins. Sedimentology, 2013, 60, 174-196.	3.1	104
32	The deep roots of the western Pyrenees revealed by full waveform inversion of teleseismic P waves. Geology, 2016, 44, 475-478.	4.4	99
33	Tectonomagmatic evolution of the final stages of rifting along the deep conjugate Australian-Antarctic magma-poor rifted margins: Constraints from seismic observations. Tectonics, 2015, 34, 753-783.	2.8	95
34	Onset of magmatic accretion within a magma-poor rifted margin: a case study from the Platta ocean-continent transition, eastern Switzerland. Contributions To Mineralogy and Petrology, 2002, 144, 365-382.	3.1	94
35	What is the tectono-metamorphic evolution of continental break-up: The example of the Tasna Oceanâ€“Continent Transition. Journal of Structural Geology, 2006, 28, 1849-1869.	2.3	85
36	The tectonoâ€sedimentary evolution of a supraâ€detachment rift basin at a deepâ€water magmaâ€poor rifted margin: the example of the Samedan Basin preserved in the Err nappe in SE Switzerland. Basin Research, 2011, 23, 652-677.	2.7	83

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37	Highâ€resolution imaging of the Pyrenees and Massif Central from the data of the PYROPE and IBERARRAY portable array deployments. Journal of Geophysical Research: Solid Earth, 2014, 119, 6399-6420.	3.4	83
38	Fluid- and reaction-assisted low-angle normal faulting: evidence from rift-related brittle fault rocks in the Alps (Err Nappe, eastern Switzerland). Journal of Structural Geology, 1999, 21, 777-793.	2.3	78
39	Rift-related inheritance in orogens: a case study from the Austroalpine nappes in Central Alps (SE-Switzerland and N-Italy). International Journal of Earth Sciences, 2011, 100, 937-961.	1.8	76
40	Extension of continental crust at the margin of the eastern Grand Banks, Newfoundland. Tectonophysics, 2009, 468, 131-148.	2.2	75
41	The non-cylindrical crustal architecture of the Pyrenees. Scientific Reports, 2018, 8, 9591.	3.3	75
42	Mapping the nature of mantle domains in Western and Central Europe based on clinopyroxene and spinel chemistry: Evidence for mantle modification during an extensional cycle. Lithos, 2016, 266-267, 233-263.	1.4	74
43	Lateral evolution of the rift-to-drift transition in the South China Sea: Evidence from multi-channel seismic data and IODP Expeditions 367&368 drilling results. Earth and Planetary Science Letters, 2020, 531, 115932.	4.4	72
44	Rifting along non-volcanic passive margins: stratigraphic and seismic evidence from the Mesozoic successions of the Alps and western Iberia. Geological Society Special Publication, 2001, 187, 429-452.	1.3	70
45	3D architecture of a complex transcurrent rift system: The example of the Bay of Biscayâ€“Western Pyrenees. Tectonophysics, 2010, 489, 210-226.	2.2	70
46	New isotopic constraints on age and magma genesis of an embryonic oceanic crust: The Chenaillet Ophiolite in the Western Alps. Lithos, 2013, 160-161, 283-291.	1.4	70
47	Upper-plate magma-poor rifted margins: Stratigraphic architecture and structural evolution. Marine and Petroleum Geology, 2016, 69, 241-261.	3.3	70
48	The role of riftâ€inherited hyperâ€extension in Alpineâ€type orogens. Terra Nova, 2014, 26, 347-353.	2.1	69
49	Extreme crustal thinning in the Bay of Biscay and the Western Pyrenees: From observations to modeling. Geochemistry, Geophysics, Geosystems, 2010, 11, .	2.5	66
50	Characterizing and identifying structural domains at rifted continental margins: application to the Bay of Biscay margins and its Western Pyrenean fossil remnants. Geological Society Special Publication, 2015, 413, 171-203.	1.3	66
51	Nature and origin of the Jâ€magnetic anomaly offshore Iberiaâ€“Newfoundland: implications for plate reconstructions. Terra Nova, 2017, 29, 20-28.	2.1	65
52	Assessing the conditions of continental breakup at magma-poor rifted margins: What can we learn from slow spreading mid-ocean ridges?. Comptes Rendus - Geoscience, 2009, 341, 406-427.	1.2	63
53	Anatomy and tectono-sedimentary evolution of a rift-related detachment system: The example of the Err detachment (central Alps, SE Switzerland). Bulletin of the Geological Society of America, 2012, 124, 1535-1551.	3.3	59
54	A crustalâ€scale view at rift localization along the fossil Adriatic margin of the Alpine Tethys preserved in NW Italy. Tectonics, 2015, 34, 1927-1951.	2.8	58

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55	The Steinmann Trinity revisited: mantle exhumation and magmatism along an ocean-continent transition: the Platta nappe, eastern Switzerland. Geological Society Special Publication, 2001, 187, 235-266.	1.3	55
56	Observations from the Alpine Tethys and Iberiaâ€“Newfoundland margins pertinent to the interpretation of continental breakup. Geological Society Special Publication, 2007, 282, 291-324.	1.3	54
57	Interaction between prerift salt and detachment faulting in hyperextended rift systems: The example of the Parentis and MaulÃ©on basins (Bay of Biscay and western Pyrenees). AAPG Bulletin, 2010, 94, 957-975.	1.5	54
58	Influence of the architecture of magma-poor hyperextended rifted margins on orogens produced by the closure of narrow versus wide oceans. , 2017, 13, 559-576.		52
59	Assessing the impact of orogenic inheritance on the architecture, timing and magmatic budget of the North Atlantic rift system: a mapping approach. Journal of the Geological Society, 2015, 172, 711-720.	2.1	50
60	Unravelling the along-strike variability of the Angolaâ€“Gabon rifted margin: a mapping approach. Geological Society Special Publication, 2017, 438, 49-76.	1.3	49
61	Tracing mantleâ€reacted fluids in magmaâ€poor rifted margins: The example of <scp>A</scp>lpine <scp>T</scp>ethyan rifted margins. Geochemistry, Geophysics, Geosystems, 2015, 16, 3271-3308.	2.5	46
62	Channelized fluid flow and mass transfer along a rift-related detachment fault (Eastern Alps,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	3.3	43
63	Fault systems at hyper-extended rifted margins and embryonic oceanic crust: Structural style, evolution and relation to magma. Marine and Petroleum Geology, 2016, 76, 51-67.	3.3	43
64	Structural and stratigraphic evolution of the Iberiaâ€“Newfoundland hyper-extended rifted margin: a quantitative modelling approach. Geological Society Special Publication, 2015, 413, 53-89.	1.3	42
65	Reappraisal of the magma-rich versus magma-poor rifted margin archetypes. Geological Society Special Publication, 2020, 476, 23-47.	1.3	42
66	Constraints Imposed by Rift Inheritance on the Compressional Reactivation of a Hyperextended Margin: Mapping Rift Domains in the North Iberian Margin and in the Cantabrian Mountains. Tectonics, 2018, 37, 758-785.	2.8	41
67	Lower crustal bodies in the MÃ‚re volcanic rifted margin: Geophysical determination and geological implications. Tectonophysics, 2014, 636, 143-157.	2.2	38
68	Birth of an oceanic spreading center at a magma-poor rift system. Scientific Reports, 2017, 7, 15072.	3.3	38
69	Architecture of the Distal Piedmontâ€Ligurian Rifted Margin in NW Italy: Hints for a Flip of the Rift System Polarity. Tectonics, 2017, 36, 2388-2406.	2.8	35
70	The tectono-stratigraphic evolution of distal, hyper-extended magma-poor conjugate rifted margins: Examples from the Alpine Tethys and Newfoundlandâ€“Iberia. Marine and Petroleum Geology, 2015, 68, 54-72.	3.3	34
71	Defining diagnostic criteria to describe the role of rift inheritance in collisional orogens: the case of the Err-Platta nappes (Switzerland). Swiss Journal of Geosciences, 2017, 110, 419-438.	1.2	34
72	The syn-rift stratigraphic record across a fossil hyper-extended rifted margin: the example of the northwestern Adriatic margin exposed in the Central Alps. International Journal of Earth Sciences, 2019, 108, 2071-2095.	1.8	34

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73	The role of serpentinization and magmatism in the formation of decoupling interfaces at magma-poor rifted margins. Earth-Science Reviews, 2019, 196, 102882.	9.1	34
74	Role of rift-inheritance and segmentation for orogenic evolution: example from the Pyrenean-Cantabrian system. Bulletin - Societie Geologique De France, 2020, 191, 18.	2.2	34
75	Uâ€“Pb geochronology of the Sondalo gabbroic complex (Central Alps) and its position within the Permian post-Variscan extension. International Journal of Earth Sciences, 2017, 106, 2873-2893.	1.8	30
76	Syn-rift magmatic characteristics and evolution at a sediment-rich margin: Insights from high-resolution seismic data from the South China Sea. Gondwana Research, 2021, 91, 81-96.	6.0	30
77	Rift inheritance controls the switch from thin- to thick-skinned thrusting and basal dÃ©collement re-localization at the subduction-to-collision transition. Bulletin of the Geological Society of America, 2021, 133, 2157-2170.	3.3	30
78	Geodynamic evolution of a wide plate boundary in the Western Mediterranean, near-fieldversusfar-field interactions. Bulletin - Societie Geologique De France, 2021, 192, 48.	2.2	29
79	Seawater storage and element transfer associated with mantle serpentinization in magma-poor rifted margins: A quantitative approach. Earth and Planetary Science Letters, 2017, 459, 227-237.	4.4	28
80	Where did Gustav Steinmann see the trinity? Back to the roots of an Alpine ophiolite concept. , 2003, , .		27
81	Necking of the Lithosphere: A Reappraisal of Basic Concepts With Thermoâ€Mechanical Numerical Modeling. Journal of Geophysical Research: Solid Earth, 2018, 123, 5279-5299.	3.4	27
82	Thermal Evolution of Asymmetric Hyperextended Magmaâ€Poor Rift Systems: Results From Numerical Modeling and Pyrenean Field Observations. Geochemistry, Geophysics, Geosystems, 2019, 20, 4567-4587.	2.5	27
83	Tectonoâ€Sedimentary Analysis of the Hyperextended Liwan Sag Basin (Midnorthern Margin of the) Tj ETQq1 1 0.784314 rgBT /Overlo	2.8	27
84	Ocean-continent transition architecture and breakup mechanism at the mid-northern South China Sea. Earth-Science Reviews, 2021, 217, 103620.	9.1	27
85	Intraplate Deformation of Oceanic Crust in the West Somali Basin: Insights From Longâ€offset Reflection Seismic Data. Tectonics, 2018, 37, 588-603.	2.8	25
86	Application of the critical Coulomb wedge theory to hyper-extended, magma-poor rifted margins. Earth and Planetary Science Letters, 2016, 442, 121-132.	4.4	24
87	Crustal structure of the SW Iberian passive margin: The westernmost remnant of the Ligurian Tethys?. Tectonophysics, 2017, 705, 42-62.	2.2	24
88	Long-lived mega fault-scarps and related breccias at distal rifted margins: insights from present-day and fossil analogues. Journal of the Geological Society, 2019, 176, 801-816.	2.1	24
89	Deformation associated to exhumation of serpentinized mantle rocks in a fossil Ocean Continent Transition: The Totalp unit in SE Switzerland. Lithos, 2013, 175-176, 255-271.	1.4	23
90	Emersion of Distal Domains in Advanced Stages of Continental Rifting Explained by Asynchronous Crust and Mantle Necking. Geochemistry, Geophysics, Geosystems, 2019, 20, 3821-3840.	2.5	23

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91	The Sondalo gabbro contact aureole (Campo unit, Eastern Alps): implications for mid-crustal mafic magma emplacement. Contributions To Mineralogy and Petrology, 2016, 171, 1.	3.1	22
92	Tectonoâ€thermal Evolution of a Distal Rifted Margin: Constraints From the Calizzano Massif (Prepiedmontâ€BrianÃ§onnais Domain, Ligurian Alps). Tectonics, 2017, 36, 3209-3228.	2.8	22
93	Polyphase tectono-magmatic evolution during mantle exhumation in an ultra-distal, magma-poor rift domain: example of the fossil Platta ophiolite, SE Switzerland. International Journal of Earth Sciences, 2019, 108, 2443-2467.	1.8	22
94	Hydrothermal fluid flow associated to the extensional evolution of the Adriatic rifted margin: Insights from the preâ€•to postâ€rift sedimentary sequence (SE Switzerland, N ITALY). Basin Research, 2020, 32, 91-115.	2.7	22
95	Complex rift patterns, a result of interacting crustal and mantle weaknesses, or multiphase rifting? Insights from analogue models. Solid Earth, 2021, 12, 1473-1495.	2.8	22
96	Origin of widespread Cretaceous alkaline magmatism in the Central Atlantic: A single melting anomaly?. Lithos, 2019, 342-343, 480-498.	1.4	21
97	Potential role of lithospheric mantle composition in the Wilson cycle: a North Atlantic perspective. Geological Society Special Publication, 2019, 470, 157-172.	1.3	21
98	Cenozoic mountain building and topographic evolution in Western Europe: impact of billions of years of lithosphere evolution and plate kinematics. Bulletin - Societie Geologique De France, 2021, 192, 56.	2.2	21
99	Geophysical fingerprints of hyper-extended, exhumed and embryonic oceanic domains: the example from the Iberiaâ€“Newfoundland rifted margins. Marine Geophysical Researches, 2016, 37, 185-205.	1.2	20
100	Evidence of hydrothermal fluid flow in a hyperextended rifted margin: the case study of the Err nappe (SE Switzerland). Swiss Journal of Geosciences, 2017, 110, 439-456.	1.2	20
101	Magnetic signature of large exhumed mantle domains of the Southwest Indian Ridge â€“ results from a deep-tow geophysical survey over 0 to 11 Ma old seafloor. Solid Earth, 2014, 5, 339-354.	2.8	19
102	Determining the COB location along the Iberian margin and Galicia Bank from gravity anomaly inversion, residual depth anomaly and subsidence analysis. Geophysical Journal International, 2015, 203, 1355-1372.	2.4	19
103	Evidence for magma entrapment below oceanic crust from deep seismic reflections in the Western Somali Basin. Geology, 2016, 44, 407-410.	4.4	19
104	Unravelling the architecture and evolution of the inverted multi-stage North Iberian-Bay of Biscay rift. Gondwana Research, 2020, 88, 67-87.	6.0	19
105	Ultramafic-hosted volcanogenic massive sulfide deposits: an overlooked sub-class of VMS deposit forming in complex tectonic environments. Earth-Science Reviews, 2022, 224, 103891.	9.1	19
106	ThreeâEDimensional Architecture, Structural Evolution, and Role of Inheritance Controlling Detachment Faulting at a Hyperextended Distal Margin: The Example of the Err Detachment System (SE) Tj ETQq0 0 0 rgBT /Overlock 10	2.8	18
107	Syntectonic carbonation during synmagmatic mantle exhumation at an ocean-continent transition. Geology, 2019, 47, 183-186.	4.4	18
108	The GrÃ¨s Singuliers of the Mont Blanc region (France and Switzerland): stratigraphic response to rifting and crustal necking in the Alpine Tethys. International Journal of Earth Sciences, 2020, 109, 2325-2352.	1.8	18

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109	Compressional structures on the West Iberia rifted margin: controls on their distribution. Geological Society Special Publication, 2008, 306, 169-183.	1.3	17
110	Constraining lithosphere deformation modes during continental breakup for the Iberiaâ€“Newfoundland conjugate rifted margins. Tectonophysics, 2016, 680, 28-49.	2.2	17
111	Discovery of Megaâ€Sheath Folds Flooring the Liwan Subbasin (South China Sea): Implications for the Rheology of Hyperextended Crust. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009023.	2.5	17
112	Characteristics and timing of hydrothermal fluid circulation in the fossil Pyrenean hyperextended rift system: new constraints from the ChaÃ®nons BÃ©arnais (W Pyrenees). International Journal of Earth Sciences, 2020, 109, 1071-1093.	1.8	17
113	Impact of crustâ€“mantle mechanical coupling on the topographic and thermal evolutions during the necking phase of â€˜magma-poorâ€™ and â€˜sediment-starvedâ€™ rift systems: A numerical modeling study. Tectonophysics, 2020, 786, 228472.	2.2	16
114	The tectono-magmatic and subsidence evolution during lithospheric breakup in a salt-rich rifted margin: Insights from a 3D seismic survey from southern Gabon. Marine and Petroleum Geology, 2021, 128, 105005.	3.3	16
115	The role of inheritance in forming rifts and rifted margins and building collisional orogens: a Biscay-Pyrenean perspective. Bulletin - Societie Geologique De France, 2021, 192, 55.	2.2	16
116	Tectono-sedimentary evolution of a fossil ocean-continent transition: Tasna nappe, central Alps (SE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.3	13
117	Nature, Origin, and Evolution of the Pyreneanâ€Cantabrian Junction. Tectonics, 2021, 40, e2020TC006134.	2.8	13
118	The tectono-stratigraphic and magmatic evolution of conjugate rifted margins: Insights from the NW South China Sea. Journal of Geodynamics, 2021, 148, 101877.	1.6	13
119	Seismic reflectivity of detachment faults of the Iberian and Tethyan distal continental margins based on geological and petrophysical data. Tectonophysics, 2002, 350, 127-156.	2.2	12
120	Oceanic basement roughness alongside magma-poor rifted margins: insight into initial seafloor spreading. Geophysical Journal International, 2018, 212, 900-915.	2.4	12
121	Controls on the Thermomechanical Evolution of Hyperextended Lithosphere at Magmaâ€Poor Rifted Margins: The Example of Espirito Santo and the Kwanza Basins. Geochemistry, Geophysics, Geosystems, 2019, 20, 5148-5176.	2.5	12
122	Geochemical characteristics of basalts related to incipient oceanization: The example from the Alpineâ€Tethys OCTs. Terra Nova, 2020, 32, 75-88.	2.1	12
123	Magnetic characterization of the zigzag shaped Jâ€anomaly: Implications for kinematics and breakup processes at the Iberiaâ€“Newfoundland margins. Terra Nova, 2020, 32, 369-380.	2.1	12
124	Reactivation of a hyperextended rift system: The Basqueâ€“Cantabrian Pyrenees case. Basin Research, 2021, 33, 3077-3101.	2.7	12
125	Structure of the oceanâ€“continent transition, location of the continentâ€“ocean boundary and magmatic type of the northern Angolan margin from integrated quantitative analysis of deep seismic reflection and gravity anomaly data. Geological Society Special Publication, 2017, 438, 159-176.	1.3	11
126	The synâ€rift tectonoâ€stratigraphic record of rifted margins (Part II): A new model to break through the proximal/distal interpretation frontier. Basin Research, 2022, 34, 489-532.	2.7	11

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127	Competition between 3D structural inheritance and kinematics during rifting: Insights from analogue models. Basin Research, 2022, 34, 824-854.	2.7	11
128	Rift processes in the Westralian Superbasin, North West Shelf, Australia: insights from 2D deep reflection seismic interpretation and potential fields modelling. APPEA Journal, 2015, 55, 400.	0.2	10
129	The synâ€rift tectonoâ€stratigraphic record of rifted margins (Part I): Insights from the Alpine Tethys. Basin Research, 2022, 34, 457-488.	2.7	9
130	Impact of Mafic Underplating and Mantle Depletion on Subsequent Rifting: A Numerical Modeling Study. Tectonics, 2019, 38, 2185-2207.	2.8	8
131	The nature of the interface between basalts and serpentinized mantle in oceanic domains: Insights from a geological section in the Alps. Tectonophysics, 2020, 797, 228646.	2.2	8
132	Tectono - Magmatic and stratigraphic evolution of final rifting and breakup: Evidence from the tip of the southwestern propagator in the south China sea. Marine and Petroleum Geology, 2021, 129, 105079.	3.3	8
133	A kinematic reconstruction of Iberia using intracontinental strikeâ€slip corridors. Terra Nova, 2021, 33, 573-581.	2.1	8
134	The palaeo-bathymetry of base Aptian salt deposition on the northern Angolan rifted margin: constraints from flexural back-stripping and reverse post-break-up thermal subsidence modelling. Petroleum Geoscience, 2016, 22, 59-70.	1.5	7
135	Silica-rich septarian concretions in biogenic silica-poor sediments: A marker of hydrothermal activity at fossil hyper-extended rifted margins (Err nappe, Switzerland). Sedimentary Geology, 2018, 378, 19-33.	2.1	7
136	The challenge in restoring magma-rich rifted margins: The example of the Mozambique-Antarctica conjugate margins. Gondwana Research, 2021, 95, 29-44.	6.0	7
137	The Basqueâ€‰â€“â€‰Cantabrian Pyrenees: report of data analysis. Bulletin - Societie Geologique De France, 2020, 191, 22.	2.2	7
138	Passive imaging of collisional orogens: a review of a decade of geophysical studies in the PyrÃ©nÃ©es. Bulletin - Societie Geologique De France, 2022, 193, 1.	2.2	7
139	The role of extensional detachment systems in thinning the crust and exhuming granulites: analogies between the offshore Le Danois High and the onshore Labourd Massif in the Biscay/Pyrenean rifts. Bulletin - Societie Geologique De France, 0, , .	2.2	6
140	Structural and petrological characteristics of a Jurassic detachment fault from the Mont-Blanc massif (Col du Bonhomme area, France). Journal of Structural Geology, 2022, 159, 104593.	2.3	6
141	Measurements of the extension required for crustal breakup on the magma-poor Iberia-Newfoundland conjugate margins. Marine and Petroleum Geology, 2020, 118, 104403.	3.3	5
142	The Sr isotope geochemistry of oceanic ultramafic-hosted mineralizations. Ore Geology Reviews, 2022, 144, 104824.	2.7	4
143	A 3D Snapshot of Crustal Breakup Deduced From Seismic Analysis of the Tip of the NW South China Sea. Tectonics, 2022, 41, .	2.8	4
144	The Err detachment in SE Switzerland: a witness of how continents break apart. International Journal of Earth Sciences, 2014, 103, 121-122.	1.8	2

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145	Discussion to â€œOxygen isotope in ophicalcites: an ever-lasting controversy?â€• International Journal of Earth Sciences, 2021, 110, 1117-1121.	1.8	2
146	Moho carbonation at an ocean-continent transition. Geology, 2022, 50, 278-283.	4.4	1
147	Introduction to â€œOrogenic Cycles: From Field Observations to Global Geodynamicsâ€• Tectonics, 2019, 38, 3-6.	2.8	0
148	Reply to Discussion on â€˜Breakup continents at magma poor rifted margins: a seismic v. outcrop perspectiveâ€™. Journal of the Geological Society, London, 175, 875-882. Journal of the Geological Society, 2020, 177, 667-669.	2.1	0