

Sierd Apl Cloetingh

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#	Paper	IF	Citations
331	Dynamic processes controlling evolution of rifted basins. <i>Earth-Science Reviews</i> , 2004 , 64, 1-50	10.2	364
330	Dynamics of intra-plate compressional deformation: the Alpine foreland and other examples. <i>Tectonophysics</i> , 1995 , 252, 7-59	3.1	362
329	Late Precambrian to Triassic history of the East European Craton: dynamics of sedimentary basin evolution. <i>Tectonophysics</i> , 1996 , 268, 23-63	3.1	274
328	Stress in the Indo-Australian plate. <i>Tectonophysics</i> , 1986 , 132, 49-67	3.1	270
327	On a tectonic mechanism for regional sealevel variations. <i>Earth and Planetary Science Letters</i> , 1985 , 75, 157-166	5.3	243
326	Stress-induced late-stage subsidence anomalies in the Pannonian basin. <i>Tectonophysics</i> , 1996 , 266, 287-300	3.1	223
325	Mechanical controls on collision-related compressional intraplate deformation. <i>Tectonophysics</i> , 1998 , 300, 103-129	3.1	197
324	Eastern Pyrenees and related foreland basins: pre-, syn- and post-collisional crustal-scale cross-sections. <i>Marine and Petroleum Geology</i> , 1995 , 12, 903-915	4.7	194
323	Interplay between tectonics, climate, and fluvial transport during the Cenozoic evolution of the Ebro Basin (NE Iberia). <i>Journal of Geophysical Research</i> , 2003 , 108,		189
322	Thermomechanical structure of European continental lithosphere; constraints from rheological profiles and EET estimates. <i>Geophysical Journal International</i> , 1996 , 124, 695-723	2.6	185
321	Erosion and rift dynamics: new thermomechanical aspects of post-rift evolution of extensional basins. <i>Earth and Planetary Science Letters</i> , 1997 , 150, 7-26	5.3	180
320	Lithosphere folding: Primary response to compression? (from central Asia to Paris basin). <i>Tectonics</i> , 1999 , 18, 1064-1083	4.3	178
319	Plate reorganization: a cause of rapid late Neogene subsidence and sedimentation around the North Atlantic?. <i>Journal of the Geological Society</i> , 1990 , 147, 495-506	2.7	160
318	Lithospheric memory, state of stress and rheology: neotectonic controls on Europe's intraplate continental topography. <i>Quaternary Science Reviews</i> , 2005 , 24, 241-304	3.9	158
317	Lithospheric necking and regional isostasy at extensional basins 1. Subsidence and gravity modeling with an application to the Gulf of Lions Margin (SE France). <i>Journal of Geophysical Research</i> , 1992 , 97, 17553		153
316	Formation and deformation of the Pannonian Basin: constraints from observational data. <i>Geological Society Memoir</i> , 2006 , 32, 191-206	0.4	149
315	P- and S-velocity anomalies in the upper mantle beneath Europe from tomographic inversion of ISC data. <i>Geophysical Journal International</i> , 2009 , 179, 345-366	2.6	146

314	Present-day stress field and tectonic inversion in the Pannonian basin. <i>Global and Planetary Change</i> , 2007 , 58, 165-180	4.2	143
313	Regional stress field of the Indian Plate. <i>Geophysical Research Letters</i> , 1985 , 12, 77-80	4.9	143
312	Intraplate stresses: A new tectonic mechanism for fluctuations of relative sea level. <i>Geology</i> , 1986 , 14, 617	5	137
311	Permo-Triassic intraplate magmatism and rifting in Eurasia: implications for mantle plumes and mantle dynamics. <i>Tectonophysics</i> , 2002 , 351, 3-39	3.1	133
310	Thermo-mechanical controls on the mode of continental collision in the SE Carpathians (Romania). <i>Earth and Planetary Science Letters</i> , 2004 , 218, 57-76	5.3	131
309	Transition from passive to active rifting: Relative importance of asthenospheric doming and passive extension of the lithosphere. <i>Journal of Geophysical Research</i> , 2001 , 106, 11271-11291		131
308	Mechanisms of extensional basin formation and vertical motions at rift flanks: Constraints from tectonic modelling and fission-track thermochronology. <i>Earth and Planetary Science Letters</i> , 1994 , 121, 417-433	5.3	130
307	Meso-Cenozoic morphotectonic evolution of southern Norway: Neogene domal uplift inferred from apatite fission track thermochronology. <i>Tectonics</i> , 1995 , 14, 704-718	4.3	129
306	Tectonic inheritance and continental rift architecture: Numerical and analogue models of the East African Rift system. <i>Tectonics</i> , 2007 , 26, n/a-n/a	4.3	123
305	Evolution of passive continental margins and initiation of subduction zones. <i>Nature</i> , 1982 , 297, 139-142	50.4	121
304	Mesozoic transtensional basin history of the Eastern Cordillera, Colombian Andes: Inferences from tectonic models. <i>Journal of South American Earth Sciences</i> , 2006 , 21, 383-411	2	115
303	Lithospheric folding in Iberia. <i>Tectonics</i> , 2002 , 21, 5-1-5-26	4.3	112
302	Plume head-lithosphere interactions near intra-continental plate boundaries. <i>Tectonophysics</i> , 2007 , 434, 15-38	3.1	111
301	Characteristics of collisional orogens with low topographic build-up: an example from the Carpathians. <i>Terra Nova</i> , 2010 , 22, 155-165	3	105
300	Continental lithosphere folding in Central Asia (part II): Constraints from gravity and topography. <i>Tectonophysics</i> , 1993 , 226, 73-87	3.1	104
299	TOPO-EUROPE: The geoscience of coupled deep Earth-surface processes. <i>Global and Planetary Change</i> , 2007 , 58, 1-118	4.2	102
298	On the initiation of subduction zones. <i>Pure and Applied Geophysics</i> , 1989 , 129, 7-25	2.2	101
297	The link between tectonics and sedimentation in back-arc basins: New genetic constraints from the analysis of the Pannonian Basin. <i>Tectonics</i> , 2016 , 35, 1526-1559	4.3	99

296	Geodynamics and intermediate-depth seismicity in Vrancea (the south-eastern Carpathians): Current state-of-the art. <i>Tectonophysics</i> , 2012 , 530-531, 50-79	3.1	99
295	An outline of neotectonic structures and morphotectonics of the western and central Pannonian Basin. <i>Tectonophysics</i> , 2005 , 410, 15-41	3.1	99
294	Basin migration caused by slow lithospheric extension. <i>Earth and Planetary Science Letters</i> , 2002 , 198, 275-288	5.3	99
293	Large-scale deformation in a locked collisional boundary: Interplay between subsidence and uplift, intraplate stress, and inherited lithospheric structure in the late stage of the SE Carpathians evolution. <i>Tectonics</i> , 2007 , 26, n/a-n/a	4.3	98
292	Inversion of moment tensor focal mechanisms for active stresses around the microcontinent Iberia: Tectonic implications. <i>Tectonics</i> , 2008 , 27, n/a-n/a	4.3	96
291	Some examples and mechanical aspects of continental lithospheric folding. <i>Tectonophysics</i> , 1991 , 188, 27-37	3.1	95
290	Subsidence analysis and tectonic evolution of the external Carpathian-Moesian Platform region during Neogene times. <i>Sedimentary Geology</i> , 2003 , 156, 71-94	2.8	94
289	Unusually deep earthquakes in East Africa: Constraints on the thermo-mechanical structure of a continental rift system. <i>Geophysical Research Letters</i> , 1987 , 14, 741-744	4.9	94
288	A new thermal and rheological model of the European lithosphere. <i>Tectonophysics</i> , 2009 , 476, 478-495	3.1	93
287	Role of pre-rift rheology in kinematics of extensional basin formation: constraints from thermomechanical models of Mediterranean and intracratonic basins. <i>Marine and Petroleum Geology</i> , 1995 , 12, 793-807	4.7	91
286	Lithospheric folding and sedimentary basin evolution: a review and analysis of formation mechanisms. <i>Basin Research</i> , 2011 , 23, 257-290	3.2	88
285	Tectonic classification of Cenozoic Iberian foreland basins. <i>Tectonophysics</i> , 2011 , 502, 38-61	3.1	87
284	Intraplate stresses and dynamical aspects of rifted basins. <i>Tectonophysics</i> , 1992 , 215, 167-185	3.1	87
283	Collaboration between the natural, social and human sciences in Global Change Research. <i>Environmental Science and Policy</i> , 2013 , 28, 25-35	6.2	86
282	Controls of mantle plumes and lithospheric folding on modes of intraplate continental tectonics: differences and similarities. <i>Geophysical Journal International</i> , 2009 , 178, 1691-1722	2.6	86
281	Cenozoic thick-skinned deformation and topography evolution of the Spanish Central System. <i>Global and Planetary Change</i> , 2007 , 58, 335-381	4.2	86
280	Western versus Eastern Black Sea tectonic evolution: pre-rift lithospheric controls on basin formation. <i>Tectonophysics</i> , 1996 , 266, 139-154	3.1	86
279	Passive Margin Earthquakes, Stresses and Rheology 1989 , 231-259		84

278	Architecture of the Focăni Depression: A 13 km deep basin in the Carpathians bend zone (Romania). <i>Tectonics</i> , 2003 , 22, n/a-n/a	4.3	83
277	Dynamic modeling of the transition from passive to active rifting, application to the Pannonian Basin. <i>Tectonics</i> , 2001 , 20, 1021-1039	4.3	83
276	Geothermal energy in deep aquifers: A global assessment of the resource base for direct heat utilization. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 82, 961-975	16.2	81
275	Local stress fields and intraplate deformation of Iberia: variations in spatial and temporal interplay of regional stress sources. <i>Tectonophysics</i> , 1999 , 305, 153-164	3.1	81
274	Life cycle of the East Carpathian orogen: Erosion history of a doubly vergent critical wedge assessed by fission track thermochronology. <i>Journal of Geophysical Research</i> , 1999 , 104, 29095-29112		81
273	Temporal and spatial correlations between changes in plate motions and the evolution of rifted basins in Africa. <i>Bulletin of the Geological Society of America</i> , 1995 , 107, 1317-1332	3.9	81
272	Melt generation at volcanic continental margins: No need for a mantle plume?. <i>Geophysical Research Letters</i> , 2001 , 28, 3995-3998	4.9	80
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270	Lithospheric dynamics and the rapid pliocene-quaternary subsidence phase in the southern north sea basin. <i>Tectonophysics</i> , 1991 , 192, 245-259	3.1	79
269	Temporal and spatial variations in tectonic subsidence in the Iberian Basin (eastern Spain): inferences from automated forward modelling of high-resolution stratigraphy (Permian-Mesozoic). <i>Tectonophysics</i> , 1998 , 300, 285-310	3.1	77
268	Seasat-derived gravity constraints on stress and deformation in the northeastern Indian Ocean. <i>Geophysical Research Letters</i> , 1989 , 16, 823-826	4.9	77
267	Lithosphere tectonics and thermo-mechanical properties: An integrated modelling approach for Enhanced Geothermal Systems exploration in Europe. <i>Earth-Science Reviews</i> , 2010 , 102, 159-206	10.2	75
266	Intraplate Stresses: A New Element in Basin Analysis. <i>Frontiers in Sedimentary Geology</i> , 1988 , 205-230		74
265	On the origin of the Cocos-Nazca spreading center. <i>Geology</i> , 1981 , 9, 425	5	73
264	Plume-like upper mantle instabilities drive subduction initiation. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	72
263	Sources of recent tectonic stress in the Pannonian region: inferences from finite element modelling. <i>Geophysical Journal International</i> , 1998 , 134, 87-101	2.6	72
262	3D flexure and intraplate compression in the North Sea Basin. <i>Tectonophysics</i> , 1996 , 266, 343-359	3.1	72
261	Thermo-mechanical modelling of Black Sea Basin (de)formation. <i>Sedimentary Geology</i> , 2003 , 156, 169-184	4.8	71

260	Quantitative subsidence analysis and forward modelling of the Vienna and Danube basins: thin-skinned versus thick-skinned extension. <i>Tectonophysics</i> , 1995 , 252, 433-451	3.1	70
259	Pliocene uplift of the eastern Iberian margin: Inferences from quantitative modelling of the Valencia Trough. <i>Earth and Planetary Science Letters</i> , 1993 , 119, 585-597	5.3	70
258	Lithospheric dynamics and tectonic-stratigraphic evolution of the Ebro Basin. <i>Journal of Geophysical Research</i> , 1990 , 95, 2701		70
257	Role of topography-induced gravitational stresses in basin inversion: The case study of the Pannonian basin. <i>Tectonics</i> , 2001 , 20, 343-363	4.3	69
256	Stratigraphic evolution of the Black Sea: inferences from basin modelling. <i>Marine and Petroleum Geology</i> , 1995 , 12, 821-835	4.7	66
255	A Finite-Difference Technique to Incorporate Spatial Variations In Rigidity and Planar Faults Into 3-D Models For Lithospheric Flexure. <i>Geophysical Journal International</i> , 1994 , 117, 179-195	2.6	66
254	Flexural interaction and the dynamics of neogene extensional Basin formation in the Alboran-Betic region. <i>Geo-Marine Letters</i> , 1992 , 12, 66-75	1.9	66
253	Tectonics and subsidence evolution of the Sirt Basin, Libya. <i>AAPG Bulletin</i> , 2008 , 92, 993-1027	2.5	65
252	Quantitative subsidence analysis of the Mesozoic evolution of the Lusitanian basin (western Iberian margin). <i>Tectonophysics</i> , 1996 , 266, 493-507	3.1	64
251	Slip re-orientation in oblique rifts. <i>Geology</i> , 2015 , 43, 147-150	5	63
250	Modelling the extension of heterogeneous hot lithosphere. <i>Tectonophysics</i> , 2007 , 444, 63-79	3.1	62
249	Lithospheric-scale structures from the perspective of analogue continental collision. <i>Tectonophysics</i> , 2005 , 406, 1-15	3.1	62
248	Transition from continental break-up to punctiform seafloor spreading: How fast, symmetric and magmatic. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	62
247	Lithospheric flexure and the tectonic evolution of the Betic Cordilleras (SE Spain). <i>Tectonophysics</i> , 1992 , 203, 325-344	3.1	62
246	Continental lithosphere folding in Central Asia (part I): Constraints from geological observations. <i>Tectonophysics</i> , 1993 , 226, 59-72	3.1	62
245	The isolation of the Pannonian basin (Central Paratethys): New constraints from magnetostratigraphy and biostratigraphy. <i>Global and Planetary Change</i> , 2013 , 103, 99-118	4.2	60
244	High resolution regional crustal models from irregularly distributed data: Application to Asia and adjacent areas. <i>Tectonophysics</i> , 2013 , 602, 55-68	3.1	60
243	Eastern Alpine tectono-metamorphic evolution: Constraints from two-dimensional P-T-t modeling. <i>Tectonics</i> , 1996 , 15, 584-604	4.3	59

242	Modelling of piggyback-basin stratigraphy: Record of tectonic evolution. <i>Tectonophysics</i> , 1993 , 226, 253-269	3.6	59
241	Subsidence analysis and quantitative basin modelling in the Styrian Basin (Pannonian Basin System, Austria). <i>Tectonophysics</i> , 1997 , 272, 175-196	3.1	58
240	Numerical modelling of salt diapirism: influence of the tectonic regime. <i>Tectonophysics</i> , 1994 , 240, 59-79	3.1	57
239	Gravitational potential stresses and stress field of passive continental margins: Insights from the south-Norway shelf. <i>Earth and Planetary Science Letters</i> , 2009 , 277, 464-473	5.3	56
238	Lateral variations in mechanical properties of the Romanian external Carpathians: inferences of flexure and gravity modelling. <i>Tectonophysics</i> , 1997 , 282, 147-166	3.1	56
237	Neotectonics and intraplate continental topography of the northern Alpine Foreland. <i>Earth-Science Reviews</i> , 2006 , 74, 127-196	10.2	56
236	Thermo-mechanical modeling of the Tyrrhenian Sea: Lithospheric necking and kinematics of rifting. <i>Tectonics</i> , 1995 , 14, 629-644	4.3	56
235	Subsidence analysis and modelling of the Roer Valley Graben (SE Netherlands). <i>Tectonophysics</i> , 1992 , 208, 159-171	3.1	55
234	Late orogenic vertical movements in the Carpathian Bend Zone: seismic constraints on the transition zone from orogen to foredeep. <i>Basin Research</i> , 2006 , 18, 521-545	3.2	54
233	Global strength and elastic thickness of the lithosphere. <i>Global and Planetary Change</i> , 2012 , 90-91, 51-57	4.2	53
232	Modelling recent deformation of the Pannonian lithosphere: Lithospheric folding and tectonic topography. <i>Tectonophysics</i> , 2010 , 484, 103-118	3.1	53
231	Tertiary tectonic evolution of the external South Carpathians and the adjacent Moesian platform (Romania). <i>Tectonics</i> , 1997 , 16, 896-911	4.3	53
230	Detrital fission track thermochronology of Upper Cretaceous syn-orogenic sediments in the South Carpathians (Romania): inferences on the tectonic evolution of a collisional hinterland. <i>Basin Research</i> , 2001 , 13, 379-395	3.2	53
229	Pressure-temperature-time evolution of the high-pressure, metamorphic complex of Sifnos, Greece. <i>Geology</i> , 1993 , 21, 443	5	53
228	Continental rift architecture and patterns of magma migration: A dynamic analysis based on centrifuge models. <i>Tectonics</i> , 2004 , 23, n/a-n/a	4.3	52
227	Modelling the Middle Pleistocene uplift in the Ardennes/Rhenish Massif: thermo-mechanical weakening under the Eifel?. <i>Global and Planetary Change</i> , 2000 , 27, 39-52	4.2	52
226	The significance of Gosau-type basins for the late cretaceous tectonic history of the Alpine-Carpathian belt. <i>Physics and Chemistry of the Earth</i> , 1999 , 24, 687-695		52
225	Kinematics of back-arc inversion of the Western Black Sea Basin. <i>Tectonics</i> , 2011 , 30, n/a-n/a	4.3	51

224	Lateral variations in lithosphere strength in the Romanian Carpathians: constraints on basin evolution. <i>Tectonophysics</i> , 1997 , 272, 269-290	3.1	51
223	Pull-apart basin formation and development in narrow transform zones with application to the Dead Sea Basin. <i>Tectonics</i> , 2008 , 27, n/a-n/a	4.3	51
222	The rift-like structure and asymmetry of the Dead Sea Fault. <i>Earth and Planetary Science Letters</i> , 2010 , 290, 74-82	5.3	50
221	Cenozoic vertical motions of the Catalan Coastal Ranges (NE Spain): The role of tectonics, isostasy, and surface transport. <i>Tectonics</i> , 2004 , 23, n/a-n/a	4.3	50
220	Polyphase rift evolution of the Vøring margin (mid-Norway): Constraints from forward tectonostratigraphic modeling. <i>Tectonics</i> , 2000 , 19, 225-240	4.3	50
219	Relating petroleum system and play development to basin evolution: West African South Atlantic basins. <i>Marine and Petroleum Geology</i> , 2012 , 30, 1-25	4.7	49
218	Fractal dimension estimations of drainage network in the Carpathian-Bannonian system. <i>Global and Planetary Change</i> , 2007 , 58, 197-213	4.2	49
217	A lithospheric cross-section through the Swiss Alps-II. Constraints on the mechanical structure of a continent-continent collision zone. <i>Geophysical Journal International</i> , 1996 , 127, 399-414	2.6	49
216	Basin evolution in a folding lithosphere: Altai-Bayan and Tien Shan belts in Central Asia. <i>Tectonophysics</i> , 2013 , 602, 194-222	3.1	48
215	The effective elastic thickness of the continental lithosphere: Comparison between rheological and inverse approaches. <i>Geochemistry, Geophysics, Geosystems</i> , 2012 , 13,	3.6	48
214	An integrated gravity model for Europe's crust and upper mantle. <i>Earth and Planetary Science Letters</i> , 2010 , 296, 195-209	5.3	48
213	Vertical movements in and around the south-east Carpathian foredeep: lithospheric memory and stress field control. <i>Terra Nova</i> , 2003 , 15, 299-305	3	48
212	Three-dimensional flexural modelling of the Ebro Basin (NE Iberia). <i>Geophysical Journal International</i> , 2001 , 145, 349-367	2.6	48
211	Consequences of foreland basin development on thinned continental lithosphere: Application to the Aquitaine basin (SW France). <i>Earth and Planetary Science Letters</i> , 1991 , 106, 116-132	5.3	48
210	Contrasted continental rifting via plume-craton interaction: Applications to Central East African Rift. <i>Geoscience Frontiers</i> , 2016 , 7, 221-236	6	47
209	Stratigraphic and kinematic modeling of thrust evolution, northern Apennines, Italy. <i>Geology</i> , 1992 , 20, 1035	5	47
208	Symmetry during the syn- and post-rift evolution of extensional back-arc basins: The role of inherited orogenic structures. <i>Earth and Planetary Science Letters</i> , 2017 , 462, 86-98	5.3	46
207	Sea level change. Inherited landscapes and sea level change. <i>Science</i> , 2015 , 347, 1258375	33.3	46

206	Messinian sea level fall in the Dacic Basin (Eastern Paratethys): palaeogeographical implications from seismic sequence stratigraphy. <i>Terra Nova</i> , 2010 , 22, 12-17	3	46
205	Thermomechanical evolution of the South Alpine rifted margin (North Italy): constraints on the strength of passive continental margins. <i>Earth and Planetary Science Letters</i> , 1997 , 146, 181-193	5.3	46
204	Neotectonics of The Netherlands: a review. <i>Quaternary Science Reviews</i> , 2005 , 24, 439-454	3.9	45
203	Post-Variscan evolution of the lithosphere in the Rhine Graben area: constraints from subsidence modelling. <i>Geological Society Special Publication</i> , 2004 , 223, 289-317	1.7	45
202	Effects of large sea-level variations in connected basins: the Dacian Black Sea system of the Eastern Paratethys. <i>Basin Research</i> , 2012 , 24, 583-597	3.2	44
201	A comparison of the Iberian and Ebro Basins during the Permian and Triassic, eastern Spain: A quantitative subsidence modelling approach. <i>Tectonophysics</i> , 2009 , 474, 160-183	3.1	44
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199	Two-dimensional P-T-t modelling and the dynamics of extension and inversion in the Betic Zone (SE Spain). <i>Tectonophysics</i> , 1992 , 203, 305-324	3.1	44
198	Consequences of thrusting and intraplate stress fluctuations for vertical motions in foreland basins and peripheral areas. <i>Geophysical Journal International</i> , 1992 , 111, 104-126	2.6	44
197	Numerical analysis of how sedimentation and redistribution of surficial sediments affects salt diapirism. <i>Tectonophysics</i> , 1993 , 226, 199-216	3.1	44
196	The influence of a stratified rheology on the flexural response of the lithosphere to (un)loading by extensional faulting. <i>Geophysical Journal International</i> , 1998 , 134, 721-735	2.6	43
195	Stresses in the lithosphere and sedimentary basin formation. <i>Tectonophysics</i> , 1993 , 226, 1-13	3.1	43
194	Mechanics of basin inversion: Finite element modelling of the Pannonian Basin System. <i>Tectonophysics</i> , 2011 , 502, 121-145	3.1	42
193	Salt tectonics in pull-apart basins with application to the Dead Sea Basin. <i>Tectonophysics</i> , 2008 , 449, 1-16	3.1	42
192	Tectonic history along the South Gabon Basin: Anomalous early post-rift subsidence. <i>Marine and Petroleum Geology</i> , 2007 , 24, 151-172	4.7	42
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190	Anorogenic granites, magmatic underplating and the origin of intracratonic basins in a non-extensional setting. <i>Tectonophysics</i> , 1993 , 226, 285-299	3.1	42
189	Integrated Peri-Tethyan Basins studies (Peri-Tethys Programme). <i>Sedimentary Geology</i> , 2003 , 156, 1-10	2.8	41

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187	Global model for the lithospheric strength and effective elastic thickness. <i>Tectonophysics</i> , 2013 , 602, 78-86	3.1	39
186	Structural evolution of the Transylvanian Basin (Romania): a sedimentary basin in the bend zone of the Carpathians. <i>Tectonophysics</i> , 1997 , 272, 249-268	3.1	39
185	3D strength and gravity anomalies of the European lithosphere. <i>Earth and Planetary Science Letters</i> , 2007 , 263, 56-73	5.3	39
184	Present-day lithospheric strength of the Eastern Alps and its relationship to neotectonics. <i>Tectonics</i> , 2003 , 22, n/a-n/a	4.3	39
183	Palaeo-elevation and effective elastic thickness evolution at mountain ranges: inferences from flexural modelling in the Eastern Pyrenees and Ebro Basin. <i>Marine and Petroleum Geology</i> , 1995 , 12, 917-928	4.7	39
182	The Moho in extensional tectonic settings: Insights from thermo-mechanical models. <i>Tectonophysics</i> , 2013 , 609, 558-604	3.1	38
181	Analogue modelling of continental collision: Influence of plate coupling on mantle lithosphere subduction, crustal deformation and surface topography. <i>Tectonophysics</i> , 2010 , 484, 87-102	3.1	38
180	Probabilistic tectonic heat flow modeling for basin maturation: Assessment method and applications. <i>Marine and Petroleum Geology</i> , 2009 , 26, 536-551	4.7	38
179	Subduction and deformation of the continental lithosphere in response to plate and crust-mantle coupling. <i>Geology</i> , 2013 , 41, 1239-1242	5	37
178	Redistribution of recent collision push and ridge push in Central Europe: insights from FEM modelling. <i>Geophysical Journal International</i> , 2006 , 167, 860-880	2.6	37
177	A new multilayered model for intraplate stress-induced differential subsidence of faulted lithosphere, applied to rifted basins. <i>Tectonics</i> , 1998 , 17, 938-954	4.3	37
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