

Sierd Apl Cloetingh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

331
papers

15,624
citations

71
h-index

104
g-index

349
ext. papers

16,838
ext. citations

3.9
avg, IF

6.5
L-index

#	Paper	IF	Citations
331	Multidisciplinary Study of Marine Archives: Reconstruction of Sea-Level, Sediment Yields, Sediment Sources, Paleoclimate, Paleoceanography and Vertical Movement on Margins: Examples from the Western Mediterranean Sea. <i>Advances in Science, Technology and Innovation</i> , 2022 , 265-270	0.3	
330	Longevity of small-scale (Baby) plumes and their role in lithospheric break-up. <i>Geophysical Journal International</i> , 2021 , 227, 439-471	2.6	2
329	Arctic ocean mega project: Paper 2 Arctic stratigraphy and regional tectonic structure. <i>Earth-Science Reviews</i> , 2021 , 217, 103581	10.2	2
328	Controls by rheological structure of the lithosphere on the temporal evolution of continental magmatism: Inferences from the Pannonian Basin system. <i>Earth and Planetary Science Letters</i> , 2021 , 565, 116925	5.3	5
327	Arctic Ocean Mega Project: Paper 3 - Mesozoic to Cenozoic geological evolution. <i>Earth-Science Reviews</i> , 2021 , 217, 103034	10.2	11
326	Giant Quasi-Ring Mantle Structure in the African-Arabian Junction: Results Derived from the Geological-Geophysical Data Integration. <i>Geotectonics</i> , 2021 , 55, 58-82	1.1	3
325	Plume-Induced Sinking of Intracontinental Lithospheric Mantle: An Overlooked Mechanism of Subduction Initiation?. <i>Geochemistry, Geophysics, Geosystems</i> , 2021 , 22, e2020GC009482	3.6	9
324	The Bargasosphere hypothesis: Looking at global plate tectonics from a new perspective. <i>Global and Planetary Change</i> , 2021 , 204, 103547	4.2	6
323	TOPO-EUROPE (LP) Program on Coupled Deep Earth and Surface Processes in Continental Europe and its Margins. <i>Journal of the Geological Society of India</i> , 2020 , 95, 441-446	1.3	1
322	Geodynamics, seismicity, and seismic hazards of the Caucasus. <i>Earth-Science Reviews</i> , 2020 , 207, 103222	10.2	17
321	TOPO-EUROPE From the Deep Earth to the Surface of Continental Europe and Its Margins. <i>Encyclopedia of Earth Sciences Series</i> , 2020 , 1-9	0	
320	Combined Multifactor Evidence of a Giant Lower-Mantle Ring Structure below the Eastern Mediterranean. <i>Positioning</i> , 2020 , 11, 11-32	0.1	5
319	Quantifying the late-to post-Variscan pervasive heat flow, central Netherlands, Southern Permian Basin. <i>Marine and Petroleum Geology</i> , 2020 , 113, 104118	4.7	3
318	Shaping of intraplate mountain patterns: The Cantabrian orocline legacy in Alpine Iberia. <i>Lithosphere</i> , 2019 , 11, 708-721	2.7	11
317	Far-field strain transmission and contractional step-overs. <i>Tectonophysics</i> , 2019 , 766, 194-204	3.1	2
316	Early Carboniferous extension in East Avalonia: 350 My record of lithospheric memory. <i>Marine and Petroleum Geology</i> , 2018 , 92, 1010-1027	4.7	17
315	Variability of orogenic magmatism during Mediterranean-style continental collisions: A numerical modelling approach. <i>Gondwana Research</i> , 2018 , 56, 119-134	5.1	20

314	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
313	Subsurface temperature model of the Hungarian part of the Pannonian Basin. <i>Global and Planetary Change</i> , 2018 , 171, 48-64	4.2	14
312	The Arctic lithosphere: Thermo-mechanical structure and effective elastic thickness. <i>Global and Planetary Change</i> , 2018 , 171, 2-17	4.2	5
311	Heat flow modelling in the Transylvanian basin: Implications for the evolution of the intra-Carpathians area. <i>Global and Planetary Change</i> , 2018 , 171, 148-166	4.2	0
310	Refining the thermal structure of the European lithosphere by inversion of subsurface temperature data. <i>Global and Planetary Change</i> , 2018 , 171, 18-47	4.2	5
309	Extensional Polarity Change in Continental Rifts: Inferences From 3-D Numerical Modeling and Observations. <i>Journal of Geophysical Research: Solid Earth</i> , 2018 , 123, 8073-8094	3.6	15
308	Plume-lithosphere interactions in rifted margin tectonic settings: Inferences from thermo-mechanical modelling. <i>Tectonophysics</i> , 2018 , 746, 138-154	3.1	10
307	Non-uniform splitting of a single mantle plume by double cratonic roots: Insight into the origin of the central and southern East African Rift System. <i>Terra Nova</i> , 2018 , 30, 125-134	3	16
306	The role of lateral strength contrasts in orogenesis: A 2D numerical study. <i>Tectonophysics</i> , 2018 , 746, 549-561	3.1	12
305	The Spanish-Portuguese Central System: An Example of Intense Intraplate Deformation and Strain Partitioning. <i>Tectonics</i> , 2018 , 37, 4444-4469	4.3	23
304	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
303	Oblique contractional reactivation of inherited heterogeneities: Cause for arcuate orogens. <i>Tectonics</i> , 2017 , 36, 542-558	4.3	14
302	Thermo-mechanical controls on geothermal energy resources: case studies in the Pannonian Basin and other natural laboratories. <i>Acta Geodaetica Et Geophysica</i> , 2017 , 52, 157-160	1.7	2
301	Lithosphere erosion and continental breakup: Interaction of extension, plume upwelling and melting. <i>Earth and Planetary Science Letters</i> , 2017 , 467, 89-98	5.3	19
300	Crustal mechanics control the geometry of mountain belts. Insights from numerical modelling. <i>Earth and Planetary Science Letters</i> , 2017 , 460, 12-21	5.3	26
299	Tectonic and Climatic Controls on Asymmetric Half-Graben Sedimentation: Inferences From 3-D Numerical Modeling. <i>Tectonics</i> , 2017 , 36, 2123-2141	4.3	18
298	Long-distance impact of Iceland plume on Norway's rifted margin. <i>Scientific Reports</i> , 2017 , 7, 10408	4.9	20
297	A public domain model for 1D temperature and rheology construction in basement-sedimentary geothermal exploration: an application to the Spanish Central System and adjacent basins. <i>Acta Geodaetica Et Geophysica</i> , 2017 , 52, 269-282	1.7	4

296	The Thor suture zone: From subduction to intraplate basin setting. <i>Geology</i> , 2016 , 44, 707-710	5	25
295	Thermo-rheological aspects of crustal evolution during continental breakup and melt intrusion: The Main Ethiopian Rift, East Africa. <i>Tectonophysics</i> , 2016 , 686, 51-62	3.1	9
294	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
293	Contrasted continental rifting via plume-craton interaction: Applications to Central East African Rift. <i>Geoscience Frontiers</i> , 2016 , 7, 221-236	6	47
292	Numerical modelling of Quaternary terrace staircase formation in the Ebro foreland basin, southern Pyrenees, NE Iberia. <i>Basin Research</i> , 2016 , 28, 124-146	3.2	24
291	Evidence for anomalous mantle upwelling beneath the Arabian Platform from travel time tomography inversion. <i>Tectonophysics</i> , 2016 , 667, 176-188	3.1	20
290	Numerical modelling of thermal convection in the Luttelgeest carbonate platform, the Netherlands. <i>Geothermics</i> , 2016 , 64, 135-151	4.3	17
289	Sea level change. Inherited landscapes and sea level change. <i>Science</i> , 2015 , 347, 1258375	33.3	46
288	Slip re-orientation in oblique rifts. <i>Geology</i> , 2015 , 43, 147-150	5	63
287	Strain localization at the margins of strong lithospheric domains: Insights from analog models. <i>Tectonics</i> , 2015 , 34, 396-412	4.3	20
286	Asymmetric vs. symmetric deep lithospheric architecture of intra-plate continental orogens. <i>Earth and Planetary Science Letters</i> , 2015 , 424, 38-50	5.3	24
285	Probing connections between deep earth and surface processes in a land-locked ocean basin transformed into a giant saline basin: The Mediterranean GOLD project#. <i>Marine and Petroleum Geology</i> , 2015 , 66, 6-17	4.7	3
284	Modelling the coupling between salt kinematics and subsidence evolution: Inferences for the Miocene evolution of the Transylvanian Basin. <i>Tectonophysics</i> , 2015 , 658, 169-185	3.1	4
283	Subduction or delamination beneath the Apennines? Evidence from regional tomography. <i>Solid Earth</i> , 2015 , 6, 669-679	3.3	5
282	Tectonic Models for the Evolution of Sedimentary Basins 2015 , 513-592		2
281	Geoscience outreach in Africa, 2007-2013. <i>Journal of African Earth Sciences</i> , 2014 , 99, 743-750	2.2	2
280	Far-field contractional polarity changes in models and nature. <i>Earth and Planetary Science Letters</i> , 2014 , 395, 101-115	5.3	11
279	NACr14: A 3D model for the crustal structure of the North American Continent. <i>Tectonophysics</i> , 2014 , 631, 65-86	3.1	26

278	Evolution, distribution, and characteristics of rifting in southern Ethiopia. <i>Tectonics</i> , 2014 , 33, 485-508	4.3	29
277	Subduction and deformation of the continental lithosphere in response to plate and crust-mantle coupling. <i>Geology</i> , 2013 , 41, 1239-1242	5	37
276	TOPO-EUROPE: Understanding of the coupling between the deep Earth and continental topography. <i>Tectonophysics</i> , 2013 , 602, 1-14	3.1	16
275	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
274	Global model for the lithospheric strength and effective elastic thickness. <i>Tectonophysics</i> , 2013 , 602, 78-86	3.1	39
273	Linking Deep Earth and Surface Processes. <i>Eos</i> , 2013 , 94, 53-54	1.5	8
272	Does subduction polarity changes below the Alps? Inferences from analogue modelling. <i>Tectonophysics</i> , 2013 , 582, 140-161	3.1	27
271	Thermo-mechanical controls on intra-plate deformation and the role of plume-folding interactions in continental topography. <i>Gondwana Research</i> , 2013 , 24, 815-837	5.1	32
270	Transfer of deformation in back-arc basins with a laterally variable rheology: Constraints from analogue modelling of the Balkanides-Western Black Sea inversion. <i>Tectonophysics</i> , 2013 , 602, 223-236	3.1	15
269	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
268	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
267	The Moho in extensional tectonic settings: Insights from thermo-mechanical models. <i>Tectonophysics</i> , 2013 , 609, 558-604	3.1	38
266	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
265	Understanding the kinematic evolution and genesis of a back-arc continental basin: The Neogene evolution of the Transylvanian Basin. <i>Tectonophysics</i> , 2013 , 602, 237-258	3.1	22
264	Intraplate Stresses and Sedimentary Basin Evolution. <i>Geophysical Monograph Series</i> , 2013 , 1-16	1.1	12
263	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
262	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
261	Integrated gravity and topography analysis in analog models: Intraplate deformation in Iberia. <i>Tectonics</i> , 2012 , 31, n/a-n/a	4.3	13

260	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
259	Plume-induced dynamic instabilities near cratonic blocks: Implications for P-T paths and metallogeny. <i>Global and Planetary Change</i> , 2012 , 90-91, 37-50	4.2	17
258	Global strength and elastic thickness of the lithosphere. <i>Global and Planetary Change</i> , 2012 , 90-91, 51-57	4.2	53
257	Coupled Deep Earth and surface processes and their impact on geohazards. <i>Global and Planetary Change</i> , 2012 , 90-91, 1-19	4.2	5
256	A new approach of relating petroleum system and play development to basin evolution: An application to the conjugate margin Gabon coastal and Almada-Camamu basins. <i>AAPG Bulletin</i> , 2012 , 96, 953-982	2.5	6
255	The effective elastic thickness of the continental lithosphere: Comparison between rheological and inverse approaches. <i>Geochemistry, Geophysics, Geosystems</i> , 2012 , 13,	3.6	48
254	Modeling the Interaction between Lithospheric and Surface Processes in Foreland Basins 2012 , 152-181		16
253	Relating petroleum system and play development to basin evolution: Brazilian South Atlantic margin. <i>Petroleum Geoscience</i> , 2012 , 18, 315-336	1.9	29
252	Tectonic subsidence history and source-rock maturation in the Campos Basin, Brazil. <i>Petroleum Geoscience</i> , 2012 , 18, 153-172	1.9	12
251	Cenozoic deformation of Iberia: A model for intraplate mountain building and basin development based on analogue modeling. <i>Tectonics</i> , 2011 , 30,	4.3	36
250	Kinematics of back-arc inversion of the Western Black Sea Basin. <i>Tectonics</i> , 2011 , 30, n/a-n/a	4.3	51
249	Ductile crustal flow in Europe's lithosphere. <i>Earth and Planetary Science Letters</i> , 2011 , 312, 254-265	5.3	13
248	Source-rock maturation characteristics of symmetric and asymmetric grabens inferred from integrated analogue and numerical modeling: The southern Viking Graben (North Sea). <i>Marine and Petroleum Geology</i> , 2011 , 28, 921-935	4.7	5
247	Lithospheric folding and sedimentary basin evolution: a review and analysis of formation mechanisms. <i>Basin Research</i> , 2011 , 23, 257-290	3.2	88
246	Mechanics of basin inversion: Finite element modelling of the Pannonian Basin System. <i>Tectonophysics</i> , 2011 , 502, 121-145	3.1	42
245	The interplay between eustasy, tectonics and surface processes during the growth of a fault-related structure as derived from sequence stratigraphy: The Govora-Mari antiform, South Carpathians. <i>Tectonophysics</i> , 2011 , 502, 196-220	3.1	29
244	TOPO-EUROPE: From Iberia to the Carpathians and analogues. <i>Tectonophysics</i> , 2011 , 502, 1-27	3.1	20
243	Tectonic classification of Cenozoic Iberian foreland basins. <i>Tectonophysics</i> , 2011 , 502, 38-61	3.1	87

242	Structure of the Gabon Margin from integrated seismic reflection and gravity data. <i>Tectonophysics</i> , 2011 , 506, 31-45	3.1	23
241	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
240	Characteristics of collisional orogens with low topographic build-up: an example from the Carpathians. <i>Terra Nova</i> , 2010 , 22, 155-165	3	105
239	Plume-like upper mantle instabilities drive subduction initiation. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	72
238	Kinematic and thermal evolution of the Moroccan rifted continental margin: Doukkala-High Atlas transect. <i>Tectonics</i> , 2010 , 29, n/a-n/a	4.3	25
237	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
236	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
235	Modelling recent deformation of the Pannonian lithosphere: Lithospheric folding and tectonic topography. <i>Tectonophysics</i> , 2010 , 484, 103-118	3.1	53
234	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
233	Spectral analysis of the gravity and elevation along the western Africa-Eurasia plate tectonic limit: Continental versus oceanic lithospheric folding signals. <i>Tectonophysics</i> , 2010 , 495, 298-314	3.1	19
232	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
231	TOPO-EUROPE: Coupled Deep Earth & Surface Processes in Europe. <i>European Review</i> , 2009 , 17, 517-540	0.3	1
230	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
229	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
228	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
227	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
226	European continuous active tectonic strain & stress map. <i>Tectonophysics</i> , 2009 , 474, 33-40	3.1	33
225	TOPO-EUROPE: The Geoscience of coupled: Deep Earth & Surface processes. <i>Tectonophysics</i> , 2009 , 474, 1	3.1	2

224	A new thermal and rheological model of the European lithosphere. <i>Tectonophysics</i> , 2009 , 476, 478-495	3.1	93
223	Classification of rifted sedimentary basins of the Pannonian Basin System according to the structural genesis, evolutionary history and hydrocarbon maturation zones. <i>Marine and Petroleum Geology</i> , 2009 , 26, 1452-1464	4.7	8
222	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
221	Achievements and Challenges in Sedimentary Basin Dynamics: A Review 2009 , 145-233		7
220	Thermal and Rheological Model of the European Lithosphere 2009 , 71-101		5
219	3D Crustal Model of Western and Central Europe as a Basis for Modelling Mantle Structure 2009 , 39-69		2
218	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
217	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
216	Salt tectonics in pull-apart basins with application to the Dead Sea Basin. <i>Tectonophysics</i> , 2008 , 449, 1-16	3.1	42
215	Tectonics and subsidence evolution of the Sirt Basin, Libya. <i>AAPG Bulletin</i> , 2008 , 92, 993-1027	2.5	65
214	Post-rift compressional reactivation potential of passive margins and extensional basins. <i>Geological Society Special Publication</i> , 2008 , 306, 27-70	1.7	31
213	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
212	Thermal effects of linked lithospheric and upper crustal scale processes: Insights from numerical modeling of the Cenozoic Central Catalan Coastal Ranges (NE Spain). <i>Tectonics</i> , 2007 , 26, n/a-n/a	4.3	6
211	Tectonic Models for the Evolution of Sedimentary Basins 2007 , 485-611		11
210	Motion of Adria and ongoing inversion of the Pannonian Basin: Seismicity, GPS velocities, and stress transfer 2007 ,		8
209	Plume head-lithosphere interactions near intra-continental plate boundaries. <i>Tectonophysics</i> , 2007 , 434, 15-38	3.1	111
208	Modelling the extension of heterogeneous hot lithosphere. <i>Tectonophysics</i> , 2007 , 444, 63-79	3.1	62
207	3D strength and gravity anomalies of the European lithosphere. <i>Earth and Planetary Science Letters</i> , 2007 , 263, 56-73	5.3	39

206	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
205	Present-day stress field and tectonic inversion in the Pannonian basin. <i>Global and Planetary Change</i> , 2007 , 58, 165-180	4.2	143
204	TOPO-EUROPE: The geoscience of coupled deep Earth-surface processes. <i>Global and Planetary Change</i> , 2007 , 58, 1-118	4.2	102
203	Fractal dimension estimations of drainage network in the Carpathian-Pannonian system. <i>Global and Planetary Change</i> , 2007 , 58, 197-213	4.2	49
202	4-D topography evolution in Europe: Uplift, subsidence and sea level change (TOPO-EUROPE). <i>Global and Planetary Change</i> , 2007 , 58, viii-xii	4.2	1
201	A structural model from local earthquake tomography: Application to present-day tectonics of the Upper Rhine Graben. <i>Global and Planetary Change</i> , 2007 , 58, 270-286	4.2	3
200	Late orogenic rebound and oblique Alpine convergence: New constraints from subsidence analysis of the Austrian Molasse basin. <i>Global and Planetary Change</i> , 2007 , 58, 214-223	4.2	44
199	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
198	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
197	Tectonic Models for the Evolution of Sedimentary Basins 2007 , 485-611		4
196	Neotectonics and intraplate continental topography of the northern Alpine Foreland. <i>Earth-Science Reviews</i> , 2006 , 74, 127-196	10.2	56
195	Modes of basin (de)formation, lithospheric strength and vertical motions in the Pannonian-Carpathian system: inferences from thermo-mechanical modelling. <i>Geological Society Memoir</i> , 2006 , 32, 207-221	0.4	35
194	Post-Variscan evolution of the lithosphere in the area of the European Cenozoic Rift System. <i>Geological Society Memoir</i> , 2006 , 32, 97-112	0.4	25
193	Formation and deformation of the Pannonian Basin: constraints from observational data. <i>Geological Society Memoir</i> , 2006 , 32, 191-206	0.4	149
192	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
191	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
190	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
189	Thermo-mechanical controls on Alpine deformation of NW Europe. <i>Geological Society Memoir</i> , 2006 , 32, 113-127	0.4	1

188	SOCIETAL ASPECTS OF ONGOING DEFORMATION IN THE PANNONIAN REGION 2006 , 385-402		1
187	On the mechanics of basin formation in the Pannonian basin: Inferences from analogue and numerical modelling. <i>Tectonophysics</i> , 2005 , 410, 389-415	3.1	17
186	Lithospheric-scale structures from the perspective of analogue continental collision. <i>Tectonophysics</i> , 2005 , 406, 1-15	3.1	62
185	Interplay between tectonic, fluvial and erosional processes along the Western Border Fault of the northern Upper Rhine Graben, Germany. <i>Tectonophysics</i> , 2005 , 406, 39-66	3.1	24
184	An outline of neotectonic structures and morphotectonics of the western and central Pannonian Basin. <i>Tectonophysics</i> , 2005 , 410, 15-41	3.1	99
183	The evolution of the Carpathians-Pannonian system: Interaction between neotectonics, deep structure, polyphase orogeny and sedimentary basins in a source to sink natural laboratory. <i>Tectonophysics</i> , 2005 , 410, 1-14	3.1	36
182	Neotectonics of The Netherlands: a review. <i>Quaternary Science Reviews</i> , 2005 , 24, 439-454	3.9	45
181	Pre-Neogene controls on present-day fault activity in the West Netherlands Basin and Roer Valley Rift System (southern Netherlands): role of variations in fault orientation in a uniform low-stress regime. <i>Quaternary Science Reviews</i> , 2005 , 24, 473-488	3.9	16
180	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
179	Surveys on environmental tectonics. <i>Quaternary Science Reviews</i> , 2005 , 24, 235-240	3.9	16
178	Intraplate deformation and 3D rheological structure of the Rhine Rift System and adjacent areas of the northern Alpine foreland. <i>International Journal of Earth Sciences</i> , 2005 , 94, 758-778	2.2	20
177	Strength reversal in Europe's intraplate lithosphere: Transition from basin inversion to lithospheric folding. <i>Geology</i> , 2005 , 33, 285	5	27
176	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
175	Dynamic processes controlling evolution of rifted basins. <i>Earth-Science Reviews</i> , 2004 , 64, 1-50	10.2	364
174	Slip tendency analysis as a tool to constrain fault reactivation: A numerical approach applied to three-dimensional fault models in the Roer Valley rift system (southeast Netherlands). <i>Journal of Geophysical Research</i> , 2004 , 109,		26
173	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
172	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
171	Reply [to Comment on Investigating environmental tectonics in northern alpine foreland of Europe] <i>Eos</i> , 2004 , 85, 322	1.5	

170	Tectono-stratigraphic modelling of the North Sicily continental margin (southern Tyrrhenian Sea). <i>Tectonophysics</i> , 2004 , 384, 257-273	3.1	17
169	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
168	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
167	Thermo-mechanical modelling of Black Sea Basin (de)formation. <i>Sedimentary Geology</i> , 2003 , 156, 169-184	4.8	71
166	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
165	Integrated Peri-Tethyan Basins studies (Peri-Tethys Programme). <i>Sedimentary Geology</i> , 2003 , 156, 1-10	2.8	41
164	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
163	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
162	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
161	Probing tectonic topography in the aftermath of continental convergence in central Europe. <i>Eos</i> , 2003 , 84, 89	1.5	12
160	Investigating environmental tectonics in Northern Alpine Foreland of Europe. <i>Eos</i> , 2003 , 84, 349-357	1.5	6
159	Transition from continental break-up to punctiform seafloor spreading: How fast, symmetric and magmatic. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	62
158	Insights from scaled analogue modelling into the seismotectonics of the Iranian region. <i>Tectonophysics</i> , 2003 , 376, 137-149	3.1	29
157	Mechanical (de-)coupling of the lithosphere in the Valencia Trough (NW Mediterranean): what does it mean?. <i>Earth and Planetary Science Letters</i> , 2003 , 210, 291-303	5.3	10
156	Rifting in heterogeneous lithosphere: Inferences from numerical modeling of the northern North Sea and the Oslo Graben. <i>Tectonics</i> , 2002 , 21, 10-1-10-15	4.3	12
155	Lithospheric folding in Iberia. <i>Tectonics</i> , 2002 , 21, 5-1-5-26	4.3	112
154	Basin migration caused by slow lithospheric extension. <i>Earth and Planetary Science Letters</i> , 2002 , 198, 275-288	5.3	99
153	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

152	Effect of lithosphere thickness heterogeneities in controlling rift localization: Numerical modeling of the Oslo Graben. <i>Geophysical Research Letters</i> , 2002 , 29, 69-1-69-4	4.9	27
151	Evidence for an active sinistral shear zone in the western Alboran region. <i>Terra Nova</i> , 2001 , 13, 44-50	3	20
150	Three-dimensional flexural modelling of the Ebro Basin (NE Iberia). <i>Geophysical Journal International</i> , 2001 , 145, 349-367	2.6	48
149	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
148	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
147	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
146	Melt generation at volcanic continental margins: No need for a mantle plume?. <i>Geophysical Research Letters</i> , 2001 , 28, 3995-3998	4.9	80
145	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
144	Lithospheric memory and stress field controls on polyphase deformation of the Pannonian basin-Carpathian system. <i>Marine and Petroleum Geology</i> , 2001 , 18, 3-11	4.7	17
143	Repeated lithosphere extension in the northern Viking Graben: a coupled or a decoupled rheology?. <i>Geological Society Special Publication</i> , 2000 , 167, 59-81	1.7	16
142	Perspectives on Environmental Earth System Dynamics. <i>Global and Planetary Change</i> , 2000 , 27, 1-21	4.2	5
141	Modelling the Middle Pleistocene uplift in the Ardennes-Bhenish Massif: thermo-mechanical weakening under the Eifel?. <i>Global and Planetary Change</i> , 2000 , 27, 39-52	4.2	52
140	Modelling grain-size distributions. A comparison of two models and their numerical solution. <i>Tectonophysics</i> , 2000 , 320, 347-373	3.1	5
139	Polyphase rift evolution of the Viking margin (mid-Norway): Constraints from forward tectonostratigraphic modeling. <i>Tectonics</i> , 2000 , 19, 225-240	4.3	50
138	Two-dimensional modelling of stratigraphy and compaction-driven fluid flow in the Pannonian Basin. <i>Geological Society Special Publication</i> , 1999 , 156, 391-414	1.7	12
137	Crustal structure of the Alpine-Pannonian transition zone: a combined seismic and gravity study. <i>International Journal of Earth Sciences</i> , 1999 , 88, 98-110	2.2	26
136	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
135	Origin of overpressures on the Halten Terrace, offshore mid-Norway: the potential role of mechanical compaction, pressure transfer and stress. <i>Geological Society Special Publication</i> , 1999 , 158, 137-156	1.7	10

134	Basin dynamics and basin fill: models and constraints. <i>Tectonophysics</i> , 1999 , 315, 1-13	3.1	2
133	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
132	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
131	Flexural expression of European continental lithosphere under the western outer Carpathians. <i>Tectonics</i> , 1999 , 18, 843-861	4.3	30
130	Thermomechanical consequences of Cretaceous continent-continent collision in the eastern Alps (Austria): Insights from two-dimensional modeling. <i>Tectonics</i> , 1999 , 18, 809-826	4.3	20
129	Rheology predictions across the western Carpathians, Bohemian massif, and the Pannonian basin: Implications for tectonic scenarios. <i>Tectonics</i> , 1999 , 18, 1139-1153	4.3	40
128	Lithosphere folding: Primary response to compression? (from central Asia to Paris basin). <i>Tectonics</i> , 1999 , 18, 1064-1083	4.3	178
127	Recent tectonic stress and crustal deformation in and around the Pannonian Basin: data and models. <i>Geological Society Special Publication</i> , 1999 , 156, 269-294	1.7	23
126	Numerical Modeling of Fault-Related Sedimentation 1999 ,		2
125	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
124	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
123	Tectonics of sedimentary basin formation: models and constraints. <i>Tectonophysics</i> , 1998 , 300, 1-11	3.1	6
122	Finite-element modelling of Tertiary paleostress fields in the eastern part of the Tajo Basin (central Spain). <i>Tectonophysics</i> , 1998 , 300, 47-62	3.1	25
121	Mechanical controls on collision-related compressional intraplate deformation. <i>Tectonophysics</i> , 1998 , 300, 103-129	3.1	197
120	Lateral variations of thermo-mechanical properties in the Tyrrhenian-Northern Apennine region. <i>Tectonophysics</i> , 1998 , 300, 143-158	3.1	14
119	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
118	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
117	Lithospheric weakening during Eo-foreland basin formation: Tectonic evolution of the central South Alpine foredeep. <i>Tectonics</i> , 1998 , 17, 131-142	4.3	17

116	Flexure and Unflexure of the North Alpine German-Austrian Molasse Basin: constraints from forward tectonic modelling. <i>Geological Society Special Publication</i> , 1998 , 134, 403-422	1.7	13
115	Numerical modelling of growth strata and grain-size distributions associated with fault-bend folding. <i>Geological Society Special Publication</i> , 1998 , 134, 381-401	1.7	3
114	Tertiary tectonic evolution of the external South Carpathians and the adjacent Moesian platform (Romania). <i>Tectonics</i> , 1997 , 16, 896-911	4.3	53
113	Tectonics of the Alpine-Carpathian-Pannonian region: introduction. <i>Tectonophysics</i> , 1997 , 272, 93-96	3.1	13
112	Subsidence analysis and quantitative basin modelling in the Styrian Basin (Pannonian Basin System, Austria). <i>Tectonophysics</i> , 1997 , 272, 175-196	3.1	58
111	Gravity constraints on the crustal structure and slab evolution along a transcarpathian transect. <i>Tectonophysics</i> , 1997 , 272, 233-247	3.1	31
110	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
109	Lateral variations in lithosphere strength in the Romanian Carpathians: constraints on basin evolution. <i>Tectonophysics</i> , 1997 , 272, 269-290	3.1	51
108	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
107	The Klagenfurt Basin in the Eastern Alps: an intra-orogenic decoupled flexural basin?. <i>Tectonophysics</i> , 1997 , 282, 189-203	3.1	34
106	Structural controls on sedimentary basin evolution: introduction. <i>Tectonophysics</i> , 1997 , 282, xi-xviii	3.1	8
105	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
104	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
103	Mechanical aspects of sedimentary basin formation: development of integrated models for lithospheric and surface processes. <i>Geologische Rundschau: Zeitschrift Fur Allgemeine Geologie</i> , 1997 , 86, 226-240		11
102	Tectonic modelling of the Middle Jurassic synrift stratigraphy in the OsebergBrage area, northern Viking Graben. <i>Basin Research</i> , 1997 , 9, 133-150	3.2	22
101	Numerical modelling of extension in faulted crust: effects of localized and regional deformation on basin stratigraphy. <i>Geological Society Special Publication</i> , 1996 , 99, 283-296	1.7	8
100	Impact of glaciations on basin evolution: data and models from the Norwegian margin and adjacent areas Introduction and summary. <i>Global and Planetary Change</i> , 1996 , 12, 1-9	4.2	31
99	Eastern Alpine tectono-metamorphic evolution: Constraints from two-dimensional P-T-t modeling. <i>Tectonics</i> , 1996 , 15, 584-604	4.3	59

98	Dynamics of basin formation and strike-slip tectonics. <i>Tectonophysics</i> , 1996 , 266, 1-10	3.1	20
97	Finite-element modelling of stress patterns along the Mid-Norwegian continental margin, 62°N to 68°N. <i>Tectonophysics</i> , 1996 , 266, 33-53	3.1	25
96	Western versus Eastern Black Sea tectonic evolution: pre-rift lithospheric controls on basin formation. <i>Tectonophysics</i> , 1996 , 266, 139-154	3.1	86
95	Extensional basins of the former Soviet Union – structure, basin formation mechanisms and subsidence history. <i>Tectonophysics</i> , 1996 , 266, 251-285	3.1	37
94	Stress-induced late-stage subsidence anomalies in the Pannonian basin. <i>Tectonophysics</i> , 1996 , 266, 287-300	3.1	223
93	3D flexure and intraplate compression in the North Sea Basin. <i>Tectonophysics</i> , 1996 , 266, 343-359	3.1	72
92	Quantitative subsidence analysis of the Mesozoic evolution of the Lusitanian basin (western Iberian margin). <i>Tectonophysics</i> , 1996 , 266, 493-507	3.1	64
91	Gravity anomalies and possible formation mechanism of the Dnieper-Donets Basin. <i>Tectonophysics</i> , 1996 , 268, 281-292	3.1	17
90	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
89	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
88	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
87	Crustal fault reactivation facilitating lithospheric folding/buckling in the central Indian Ocean. <i>Geological Society Special Publication</i> , 1996 , 99, 251-263	1.7	26
86	The role of pre-existing faults in basin evolution: constraints from 2D finite element and 3D flexure models. <i>Geological Society Special Publication</i> , 1996 , 99, 297-320	1.7	14
85	Neural network analyses of stress-induced overpressures in the Pannonian Basin. <i>Geophysical Journal International</i> , 1995 , 121, 532-544	2.6	18
84	Autocyclic perturbations of orbitally forced signals in the sedimentary record. <i>Geology</i> , 1995 , 23, 937	5	20
83	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
82	Introduction to Special Issue on Integrated Basin Studies (IBS) by European Commission (DGXII) project. <i>Marine and Petroleum Geology</i> , 1995 , 12, 787-792	4.7	6
81	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

80	Stratigraphic evolution of the Black Sea: inferences from basin modelling. <i>Marine and Petroleum Geology</i> , 1995 , 12, 821-835	4.7	66
79	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
78	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
77	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
76	Dynamics of intra-plate compressional deformation: the Alpine foreland and other examples. <i>Tectonophysics</i> , 1995 , 252, 7-59	3.1	362
75	Tectono-stratigraphic modelling of the Sardinian margin of the Tyrrhenian Sea. <i>Tectonophysics</i> , 1995 , 252, 269-284	3.1	20
74	Interplay of extension and compression in basin formation: introduction. <i>Tectonophysics</i> , 1995 , 252, 1-5	3.1	20
73	Morphotectonic evolution of rifted continental margins: Inferences from a coupled tectonic-surface processes model and fission track thermochronology. <i>Tectonics</i> , 1995 , 14, 406-421	4.3	79
72	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
71	Thermo-mechanical modeling of the Tyrrhenian Sea: Lithospheric necking and kinematics of rifting. <i>Tectonics</i> , 1995 , 14, 629-644	4.3	56
70	Stresses in the lithosphere caused by glacial loads. <i>Studies in Environmental Science</i> , 1995 , 65, 381-384		1
69	IMPLICATIONS OF OROGENIC WEDGE GROWTH, INTRAPLATE STRESS VARIATIONS, AND EUSTATIC SEA-LEVEL CHANGE FOR FORELAND BASIN STRATIGRAPHY INFERENCES FROM NUMERICAL MODELING 1995 , 25-35		5
68	Tectonic control of the sedimentary record and stress-induced fluid flow: constraints from basin modelling. <i>Geological Society Special Publication</i> , 1994 , 78, 9-26	1.7	8
67	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
66	Tectonostratigraphic modelling of Cenozoic uplift and erosion in the south-western Barents Sea. <i>Marine and Petroleum Geology</i> , 1994 , 11, 478-490	4.7	30
65	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
64	Dynamics of extensional basin formation and inversion: introduction. <i>Tectonophysics</i> , 1994 , 240, 1-9	3.1	11
63	Finite-element modelling of pull-apart basin formation. <i>Tectonophysics</i> , 1994 , 240, 45-57	3.1	26

62	Numerical modelling of salt diapirism: influence of the tectonic regime. <i>Tectonophysics</i> , 1994 , 240, 59-79 _{3,1}		57
61	The origin of sedimentary basins: a status report from the task force of the International Lithosphere Program. <i>Marine and Petroleum Geology</i> , 1994 , 11, 659-683	4.7	28
60	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
59	Cause of tectonic reactivation and subtle uplifts in the Rocky Mountain region and its effect on the stratigraphic record. <i>Geology</i> , 1993 , 21, 1003	5	22
58	Pressure-temperature-time evolution of the high-pressure, metamorphic complex of Sifnos, Greece. <i>Geology</i> , 1993 , 21, 443	5	53
57	Basin analysis and dynamics of sedimentary basin evolution—An introduction. <i>Sedimentary Geology</i> , 1993 , 86, 1-4	2.8	13
56	The origin of sedimentary basins: State of the art and first results of the task force. <i>Tectonophysics</i> , 1993 , 226, vii-x	3.1	6
55	Stresses in the lithosphere and sedimentary basin formation. <i>Tectonophysics</i> , 1993 , 226, 1-13	3.1	43
54	Intraplate stresses and the subsidence history of the Sirte Basin (Libya). <i>Tectonophysics</i> , 1993 , 226, 37-58 _{3,1}		31
53	Continental lithosphere folding in Central Asia (part I): Constraints from geological observations. <i>Tectonophysics</i> , 1993 , 226, 59-72	3.1	62
52	Continental lithosphere folding in Central Asia (part II): Constraints from gravity and topography. <i>Tectonophysics</i> , 1993 , 226, 73-87	3.1	104
51	Numerical analysis of how sedimentation and redistribution of surficial sediments affects salt diapirism. <i>Tectonophysics</i> , 1993 , 226, 199-216	3.1	44
50	Relationship between deeper lithospheric processes and near-surface tectonics of sedimentary basins. <i>Tectonophysics</i> , 1993 , 226, 217-225	3.1	16
49	Modelling of piggyback-basin stratigraphy: Record of tectonic evolution. <i>Tectonophysics</i> , 1993 , 226, 253-269		59
48	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
47	Stratigraphic and kinematic modeling of thrust evolution, northern Apennines, Italy. <i>Geology</i> , 1992 , 20, 1035	5	47
46	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
45	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

44	Lithospheric flexure and the tectonic evolution of the Betic Cordilleras (SE Spain). <i>Tectonophysics</i> , 1992 , 203, 325-344	3.1	62
43	Lithosphere dynamics and tectono-stratigraphic evolution of the Mesozoic Betic rifted margin (southeastern Spain). <i>Tectonophysics</i> , 1992 , 203, 345-361	3.1	24
42	Stress magnitude estimates from earthquakes in oceanic plate interiors. <i>Journal of Geophysical Research</i> , 1992 , 97, 11749		26
41	Lithospheric necking and regional isostasy at extensional basins 2. Stress-induced vertical motions and relative sea level changes. <i>Journal of Geophysical Research</i> , 1992 , 97, 17573		42
40	Intraplate stresses and dynamical aspects of rifted basins. <i>Tectonophysics</i> , 1992 , 215, 167-185	3.1	87
39	Subsidence analysis and modelling of the Roer Valley Graben (SE Netherlands). <i>Tectonophysics</i> , 1992 , 208, 159-171	3.1	55
38	Tectonics and global change - inferences from Late Cenozoic subsidence and uplift patterns in the Atlantic/ Mediterranean region. <i>Terra Nova</i> , 1992 , 4, 340-350	3	28
37	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
36	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
35	Subsidence analysis and modelling of the Roer Valley Graben (SE Netherlands) 1992 , 159-171		5
34	Intraplate stresses and dynamical aspects of rifted basins 1992 , 167-185		3
33	EUROPE'S LITHOSPHERE [PHYSICAL PROPERTIES 1992 , 71-110		11
32	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
31	Lithospheric dynamics and the rapid pliocene-quatarnary subsidence phase in the southern north sea basin. <i>Tectonophysics</i> , 1991 , 192, 245-259	3.1	79
30	Some examples and mechanical aspects of continental lithospheric folding. <i>Tectonophysics</i> , 1991 , 188, 27-37	3.1	95
29	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
28	Lithospheric dynamics and tectonic-stratigraphic evolution of the Ebro Basin. <i>Journal of Geophysical Research</i> , 1990 , 95, 2701		70
27	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

26	Some consequences of compressional tectonics for extensional models of basin subsidence. <i>International Journal of Earth Sciences</i> , 1989 , 78, 183-195	2.2	19
25	On the initiation of subduction zones. <i>Pure and Applied Geophysics</i> , 1989 , 129, 7-25	2.2	101
24	On the Initiation of Subduction Zones 1989 , 7-25		8
23	Tectonic subsidence and sea-level changes: a reappraisal 1989 , 3-11		2
22	Passive Margin Earthquakes, Stresses and Rheology 1989 , 231-259		84
21	Intraplate Stresses and the Tectono-Stratigraphic Evolution of the Central North Sea 1989 ,		5
20	On the mechanics of plate boundary formation. <i>Modern Approaches in Geophysics</i> , 1988 , 363-387		5
19	Intraplate Stresses: A New Element in Basin Analysis. <i>Frontiers in Sedimentary Geology</i> , 1988 , 205-230		74
18	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
17	Why does near ridge extensional seismicity occur primarily in the Indian Ocean?. <i>Earth and Planetary Science Letters</i> , 1987 , 82, 107-113	5.3	14
16	Numerical models for the thermo-mechanical evolution of Atlantic-type continental margins. <i>International Journal for Numerical Methods in Engineering</i> , 1987 , 24, 141-157	2.4	1
15	Intraplate stresses: A new tectonic mechanism for fluctuations of relative sea level. <i>Geology</i> , 1986 , 14, 617	5	137
14	Stress in the Indo-Australian plate. <i>Tectonophysics</i> , 1986 , 132, 49-67	3.1	270
13	Regional stress field of the Indian Plate. <i>Geophysical Research Letters</i> , 1985 , 12, 77-80	4.9	143
12	On a tectonic mechanism for regional sealevel variations. <i>Earth and Planetary Science Letters</i> , 1985 , 75, 157-166	5.3	243
11	Evolution of passive continental margins and initiation of subduction zones. <i>Nature</i> , 1982 , 297, 139-142	50.4	121
10	On the origin of the Cocos-Nazca spreading center. <i>Geology</i> , 1981 , 9, 425	5	73
9	Crustal structure of the eastern Mediterranean inferred from Rayleigh wave dispersion. <i>Earth and Planetary Science Letters</i> , 1980 , 51, 336-342	5.3	16

8	On the use of rayleigh wave group velocities for the analysis of continental margins. <i>Tectonophysics</i> , 1979, 59, 335-346	3.1	11
7	TOPO-EUROPE and cyberinfrastructure: Quantifying coupled deep earth & surface processes in 4-D	292-316	
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