Claudio Faccenna

List of Publications by Year
in descending order

177 papers	15,073 citations	13865 67 h-index	19749 117 g-index
205 all docs	205 docs citations	205 times ranked	7400 citing authors

#	Article	IF	Citations
1	Transition from slab roll-back to slab break-off in the central Apennines, Italy: Constraints from the stratigraphic and thermochronologic record. Bulletin of the Geological Society of America, 2022, 134, 1916-1930.	3.3	4
2	Sediment Recycling and the Evolution of Analog Orogenic Wedges. Tectonics, 2022, 41, .	2.8	8
3	Is the Anti-Atlas of Morocco still uplifting?. Journal of African Earth Sciences, 2022, 188, 104481.	2.0	9
4	The effects of plate interface rheology on subduction kinematics and dynamics. Geophysical Journal International, 2022, 230, 796-812.	2.4	16
5	Arc and forearc rifting in the Tyrrhenian subduction system. Scientific Reports, 2022, 12, 4728.	3.3	6
6	Thank You to Our 2021 Reviewers. Geochemistry, Geophysics, Geosystems, 2022, 23, .	2.5	0
7	The Dynamics of Forearc â€“ Backâ€Arc Basin Subsidence: Numerical Models and Observations From Mediterranean Subduction Zones. Tectonics, 2022, 41, .	2.8	10
8	Wide Versus Narrow Backâ€Arc Rifting: Control of Subduction Velocity and Convective Backâ€Arc Thinning. Tectonics, 2022, 41, .	2.8	3
9	Thank You to Our 2020 Reviewers. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009697.	2.5	0
10	Drainage system organization after mantle plume impingement: The case of the Horn of Africa. Earth-Science Reviews, 2021, 216, 103582.	9.1	2
11	Interplays Between Mantle Flow and Slab Pull at Subduction Zones in 3D. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021574.	3.4	7
12	Slab Folding and Surface Deformation of the Iran Mobile Belt. Tectonics, 2021, 40, e2020TC006300.	2.8	15
13	Mountain building, mantle convection, and supercontinents: revisited. Earth and Planetary Science Letters, 2021, 564, 116905.	4.4	20
14	Formation and Persistence of Extensional Internally Drained Basins: The Case of the Fucino Basin (Central Apennines, Italy). Tectonics, 2021, 40, e2020TC006442.	2.8	10
15	The Role of Subduction Interface and Upper Plate Strength on Backâ€Arc Extension: Application to Mediterranean Backâ€Arc Basins. Tectonics, 2021, 40, e2021TC006795.	2.8	12
16	Dynamic interactions between subduction zones. Global and Planetary Change, 2021, 202, 103501.	3.5	14
17	Tectonically driven drainage reorganization in the Eastern Cordillera, Colombia. Geomorphology, 2021, 389, 107847.	2.6	6
18	Oblique subduction and mantle flow control on upper plate deformation: 3D geodynamic modeling. Earth and Planetary Science Letters, 2021, 569, 117056.	4.4	16

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19	Effects of asthenospheric flow and orographic precipitation on continental rifting. Tectonophysics, 2021, 820, 229120.	2.2	9
20	The Role of Sediment Accretion and Buoyancy on Subduction Dynamics and Geometry. Geophysical Research Letters, 2021, 48, e2021GL096266.	4.0	8
21	Geoscientists, Who Have Documented the Rapid and Accelerating Climate Crisis for Decades, Are Now Pleading for Immediate Collective Action. Geophysical Research Letters, 2021, 48, e2021GL096644.	4.0	3
22	Transpression and the build-up of the Cordillera: the example of the Bucaramanga fault (Eastern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	2.1	13
23	Topographic Fingerprint of Deep Mantle Subduction. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB017962.	3.4	9
24	Slab Detachment, Mantle Flow, and Crustal Collision in Eastern Sicily (Southern Italy): Implications on Mount Etna Volcanism. Tectonics, 2020, 39, e2020TC006188.	2.8	21
25	Topographic expressions of mantle dynamics in the Mediterranean. Earth-Science Reviews, 2020, 209, 103327.	9.1	33
26	Thank You to Our 2019 Reviewers. Geochemistry, Geophysics, Geosystems, 2020, 21, e2020GC009007.	2.5	0
27	Stable isotope evidence for rapid uplift of the central Apennines since the late Pliocene. Earth and Planetary Science Letters, 2020, 544, 116376.	4.4	12
28	Cretaceous and late Cenozoic uplift of a Variscan Massif: The case of the French Massif Central studied through low-temperature thermochronometry. Lithosphere, 2020, 12, 133-149.	1.4	8
29	Tectonic Evolution of the Western High Atlas of Morocco: Oblique Convergence, Reactivation, and Transpression. Tectonics, 2020, 39, e2019TC005563.	2.8	33
30	Exhumation and Surface Evolution of the Western High Atlas and Surrounding Regions as Constrained by Lowâ€Temperature Thermochronology. Tectonics, 2020, 39, e2019TC005562.	2.8	23
31	Dynamics of the Gibraltar Arc System: A Complex Interaction Between Plate Convergence, Slab Pull, and Mantle Flow. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018873.	3.4	15
32	Erosional response of granular material in landscape models. Earth Surface Dynamics, 2020, 8, 973-993.	2.4	8
33	The longâ€term evolution of the Doruneh Fault region (Central Iran): A key to understanding the spatioâ€temporal tectonic evolution in the hinterland of the Zagros convergence zone. Geological Journal, 2019, 54, 1454-1479.	1.3	28
34	Role of dynamic topography in sustaining the Nile River over 30 million years. Nature Geoscience, 2019, 12, 1012-1017.	12.9	48
35	What drives tectonic plates?. Science Advances, 2019, 5, eaax4295.	10.3	71
36	Thank You to Our 2018 Peer Reviewers. Geochemistry, Geophysics, Geosystems, 2019, 20, 4593-4598.	2.5	0

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37	The Gediz Supradetachment System (SW Turkey): Magmatism, Tectonics, and Sedimentation During Crustal Extension. Tectonics, 2019, 38, 1414-1440.	2.8	15
38	Slab flattening and the rise of the Eastern Cordillera, Colombia. Earth and Planetary Science Letters, 2019, 512, 100-110.	4.4	31
39	Present-day uplift of the European Alps: Evaluating mechanisms and models of their relative contributions. Earth-Science Reviews, 2019, 190, 589-604.	9.1	82
40	Modeling Slabâ€Slab Interactions: Dynamics of Outward Dipping Doubleâ€Sided Subduction Systems. Geochemistry, Geophysics, Geosystems, 2018, 19, 693-714.	2.5	18
41	Slab interactions in 3-D subduction settings: The Philippine Sea Plate region. Earth and Planetary Science Letters, 2018, 489, 72-83.	4.4	40
42	Subduction Orogeny and the Late Cenozoic Evolution of the Mediterranean Arcs. Annual Review of Earth and Planetary Sciences, 2018, 46, 261-289.	11.0	60
43	Dynamics of the Ryukyu/Izu-Bonin-Marianas double subduction system. Tectonophysics, 2018, 746, 229-238.	2.2	54
44	Supradetachment basin evolution unravelled by detrital apatite fission track analysis: the Gediz Graben (Menderes Massif, Western Turkey). Basin Research, 2018, 30, 502-521.	2.7	15
45	Extensional crustal tectonics and crust-mantle coupling, a view from the geological record. Earth-Science Reviews, 2018, 185, 1187-1209.	9.1	36
46	Subduction Zones Interaction Around the Adria Microplate and the Origin of the Apenninic Arc. Tectonics, 2018, 37, 3941-3953.	2.8	25
47	Constraints on the Cenozoic Deformation of the Northern Eastern Cordillera, Colombia. Tectonics, 2018, 37, 4311-4337.	2.8	17
48	Mantle kinematics driving collisional subduction: Insights from analogue modeling. Earth and Planetary Science Letters, 2018, 502, 96-103.	4.4	11
49	Opposite Subduction Polarity in Adjacent Plate Segments. Tectonics, 2018, 37, 3285-3302.	2.8	12
50	Deep Structure of Northern Apennines Subduction Orogen (Italy) as Revealed by a Joint Interpretation of Passive and Active Seismic Data. Geophysical Research Letters, 2018, 45, 4017-4024.	4.0	22
51	Mantle Flow and Deforming Continents: From Indiaâ€Asia Convergence to Pacific Subduction. Tectonics, 2018, 37, 2887-2914.	2.8	72
52	Magmatism and crustal extension: Constraining activation of the ductile shearing along the Gediz detachment, Menderes Massif (western Turkey). Lithos, 2017, 282-283, 145-162.	1.4	28
53	Initiation of the Andean orogeny by lower mantle subduction. Earth and Planetary Science Letters, 2017, 463, 189-201.	4.4	84
54	Impact of the lithosphere on dynamic topography: Insights from analogue modeling. Geophysical Research Letters, 2017, 44, 2693-2702.	4.0	8

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55	Linking Late Cretaceous to Eocene Tectonostratigraphy of the San Jacinto Fold Belt of NW Colombia With Caribbean Plateau Collision and Flat Subduction. Tectonics, 2017, 36, 2599-2629.	2.8	44
56	Subduction induced mantle flow: Length-scales and orientation of the toroidal cell. Earth and Planetary Science Letters, 2017, 479, 284-297.	4.4	40
57	Subduction system and flat slab beneath the <scp>E</scp>astern <scp>C</scp>ordillera of <scp>C</scp>olombia. Geochemistry, Geophysics, Geosystems, 2016, 17, 16-27.	2.5	53
58	Postcollisional lithospheric evolution of the Southeast Carpathians: Comparison of geodynamical models and observations. Tectonics, 2016, 35, 1205-1224.	2.8	39
59	Asian collisional subduction: A key process driving formation of the Tibetan Plateau. Geology, 2016, 44, 943-946.	4.4	34
60	Long-term, deep-mantle support of the Ethiopia-Yemen Plateau. Tectonics, 2016, 35, 469-488.	2.8	49
61	New insights into the crust and lithospheric mantle structure of Africa from elevation, geoid, and thermal analysis. Journal of Geophysical Research: Solid Earth, 2016, 121, 5389-5424.	3.4	57
62	Subduction zone interaction: Controls on arcuate belts. Geology, 2016, 44, 715-718.	4.4	41
63	Geomorphic signal of active faulting at the northern edge of Lut Block: Insights on the kinematic scenario of Central Iran. Tectonics, 2016, 35, 76-102.	2.8	22
64	Isostasy, flexure, and dynamic topography. Tectonophysics, 2016, 683, 255-271.	2.2	48
65	On the influence of the asthenospheric flow on the tectonics and topography at a collision-subduction transition zones: Comparison with the eastern Tibetan margin. Journal of Geodynamics, 2016, 100, 184-197.	1.6	36
66	The Ionian and Alfeoâ€“Etna fault zones: New segments of an evolving plate boundary in the central Mediterranean Sea?. Tectonophysics, 2016, 675, 69-90.	2.2	93
67	Evolution of continental-scale drainage in response to mantle dynamics and surface processes: An example from the Ethiopian Highlands. Geomorphology, 2016, 261, 12-29.	2.6	57
68	The two-stage Aegean extension, from localized to distributed, a result of slab rollback acceleration. Canadian Journal of Earth Sciences, 2016, 53, 1142-1157.	1.3	80
69	Neo-Tethys geodynamics and mantle convection: from extension to compression in Africa and a conceptual model for obduction. Canadian Journal of Earth Sciences, 2016, 53, 1190-1204.	1.3	56
70	Contrasting styles of (U)HP rock exhumation along the Cenozoic Adriaâ€Europe plate boundary (Western Alps, Calabria, Corsica). Geochemistry, Geophysics, Geosystems, 2015, 16, 1786-1824.	2.5	102
71	Plio-Quaternary uplift of the Iberian Chain (centralâ€“eastern Spain) from landscape evolution experiments and river profile modeling. Geomorphology, 2015, 246, 48-67.	2.6	31
72	Coupling surface and mantle dynamics: A novel experimental approach. Geophysical Research Letters, 2015, 42, 3863-3869.	4.0	8

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73	Western US intermountain seismicity caused by changes in upper mantle flow. Nature, 2015, 524, 458-461.	27.8	41
74	Magnetic stratigraphy of the Bucaramanga alluvial fan: Evidence for a â‰ˆ3Âmm/yr slip rate for the Bucaramanga-Santa Marta Fault, Colombia. Journal of South American Earth Sciences, 2015, 57, 12-22.	1.4	17
75	Static and dynamic support of western United States topography. Earth and Planetary Science Letters, 2014, 402, 234-246.	4.4	61
76	The influence of surface and tectonic processes on landscape evolution of the Iberian Chain (Spain): Quantitative geomorphological analysis and geochronology. Geomorphology, 2014, 206, 37-57.	2.6	69
77	Obduction: Why, how and where. Clues from analog models. Earth and Planetary Science Letters, 2014, 393, 132-145.	4.4	34
78	Mantle dynamics in the Mediterranean. Reviews of Geophysics, 2014, 52, 283-332.	23.0	394
79	Isostasy, dynamic topography, and the elevation of the Apennines of Italy. Earth and Planetary Science Letters, 2014, 407, 163-174.	4.4	91
80	How collision triggers backarc extension: Insight into Mediterranean style of extension from 3-D numerical models. Geology, 2014, 42, 511-514.	4.4	77
81	Paleomagnetism and magnetic fabric of the Eastern Cordillera of Colombia: Evidence for oblique convergence and nonrotational reactivation of a Mesozoic intracontinental rift. Tectonics, 2014, 33, 2233-2260.	2.8	22
82	Mantle convection in the Middle East: Reconciling Afar upwelling, Arabia indentation and Aegean trench rollback. Earth and Planetary Science Letters, 2013, 375, 254-269.	4.4	147
83	Earthquake focal mechanisms, seismogenic stress, and seismotectonics of the Calabrian Arc, Italy. Tectonophysics, 2013, 602, 153-175.	2.2	75
84	Aegean tectonics: Strain localisation, slab tearing and trench retreat. Tectonophysics, 2013, 597-598, 1-33.	2.2	419
85	Plateau versus fissure ridge travertines from Quaternary geothermal springs of Italy and Turkey: Interactions and feedbacks between fluid discharge, paleoclimate, and tectonics. Earth-Science Reviews, 2013, 123, 35-52.	9.1	96
86	Effect of aseismic ridge subduction on slab geometry and overriding plate deformation: Insights from analogue modeling. Tectonophysics, 2013, 588, 39-55.	2.2	60
87	Mountain building and mantle dynamics. Tectonics, 2013, 32, 80-93.	2.8	91
88	The origin and growth of a recently-active fissure ridge travertine over a seismic fault, Tivoli, Italy. Geomorphology, 2013, 195, 13-26.	2.6	56
89	Delamination vs. breakâ€off: the fate of continental collision. Geophysical Research Letters, 2013, 40, 285-289.	4.0	61
90	The dynamics of laterally variable subductions: laboratory models applied to the Hellenides. Solid Earth, 2013, 4, 179-200.	2.8	33

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91	Vertical GPS ground motion rates in the Euroâ€Mediterranean region: New evidence of velocity gradients at different spatial scales along the Nubiaâ€Eurasia plate boundary. Journal of Geophysical Research: Solid Earth, 2013, 118, 6003-6024.	3.4	249
92	Numerical models of slab migration in continental collision zones. Solid Earth, 2012, 3, 293-306.	2.8	51
93	The role of slabs and oceanic plate geometry in the net rotation of the lithosphere, trench motions, and slab return flow. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	26
94	Plate motions, Andean orogeny, and volcanism above the South Atlantic convection cell. Earth and Planetary Science Letters, 2012, 317-318, 126-135.	4.4	70
95	Continental delamination: Insights from laboratory models. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	35
96	On the role of slab pull in the Cenozoic motion of the Pacific plate. Geophysical Research Letters, 2012, 39, .	4.0	62
97	Uplift history of the Sila Massif, southern Italy, deciphered from cosmogenic ¹⁰Be erosion rates and river longitudinal profile analysis. Tectonics, 2012, 31, .	2.8	66
98	Unraveling topography around subduction zones from laboratory models. Tectonophysics, 2012, 526-529, 5-15.	2.2	38
99	The surface tectonics of mantle lithosphere delamination following ocean lithosphere subduction: Insights from physicalâ€scaled analogue experiments. Geochemistry, Geophysics, Geosystems, 2011, 12, .	2.5	45
100	Topography of the Calabria subduction zone (southern Italy): Clues for the origin of Mt. Etna. Tectonics, 2011, 30, .	2.8	120
101	Subduction dynamics and the origin of Andean orogeny and the Bolivian orocline. Nature, 2011, 480, 83-86.	27.8	152
102	Divergence in subduction zones and exhumation of high pressure rocks (Eocene Western Alps). Earth and Planetary Science Letters, 2011, 310, 21-32.	4.4	103
103	Mantle conveyor beneath the Tethyan collisional belt. Earth and Planetary Science Letters, 2011, 310, 453-461.	4.4	163
104	Subduction and exhumation of continental crust: insights from laboratory models. Geophysical Journal International, 2011, 184, 43-64.	2.4	29
105	Recent tectonics of Tripolitania, Libya: an intraplate record of Mediterranean subduction. Geological Society Special Publication, 2011, 357, 319-328.	1.3	15
106	Recent tectonic reorganization of the Nubia-Eurasia convergent boundary heading for the closure of the western Mediterranean. Bulletin - Societie Geologique De France, 2011, 182, 279-303.	2.2	108
107	Mantle flow and dynamic topography associated with slab window opening: Insights from laboratory models. Tectonophysics, 2010, 496, 83-98.	2.2	68
108	Shaping mobile belts by small-scale convection. Nature, 2010, 465, 602-605.	27.8	208

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109	Spreading pulses of the Tyrrhenian Sea during the narrowing of the Calabrian slab. Geology, 2010, 38, 819-822.	4.4	63
110	Incipient extension along the active convergent margin of Nubia in Sicily, Italy: CefalÃ¹-Etna seismic zone. Tectonics, 2010, 29, n/a-n/a.	2.8	48
111	Evolution of the Calabrian accretionary wedge (central Mediterranean). Tectonics, 2010, 29, n/a-n/a.	2.8	120
112	Mantle structure and dynamic topography in the Mediterranean Basin. Geophysical Research Letters, 2010, 37, .	4.0	75
113	Subduction-triggered magmatic pulses: A new class of plumes?. Earth and Planetary Science Letters, 2010, 299, 54-68.	4.4	211
114	Role of the overriding plate in the subduction process: Insights from numerical models. Tectonophysics, 2010, 484, 74-86.	2.2	36
115	On the relation between trench migration, seafloor age, and the strength of the subducting lithosphere. Lithosphere, 2009, 1, 121-128.	1.4	27
116	Episodic slab rollback fosters exhumation of HPï¿½ï¿½ï¿½UHP rocks. Geophysical Journal International, 2009, 179, 1292-1300.	2.4	39
117	From mantle to crust: Stretching the Mediterranean. Earth and Planetary Science Letters, 2009, 285, 198-209.	4.4	202
118	The opening of Sirte basin: Result of slab avalanching?. Earth and Planetary Science Letters, 2009, 285, 210-216.	4.4	48
119	Control of seafloor aging on the migration of the Izuâ€“Boninâ€“Mariana trench. Earth and Planetary Science Letters, 2009, 288, 386-398.	4.4	41
120	A Review of the Role of Subduction Dynamics for Regional and Global Plate Motions. Frontiers in Earth Sciences, 2009, , 3-34.	0.1	39
121	Laboratory experiments of slab breakâ€off and slab dip reversal: insight into the Alpine Oligocene reorganization. Terra Nova, 2008, 20, 267-273.	2.1	40
122	Slab stiffness control of trench motion: Insights from numerical models. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	111
123	Recent extension driven by mantle upwelling beneath the Admiralty Mountains (East Antarctica). Tectonics, 2008, 27, .	2.8	54
124	Subduction dynamics as revealed by trench migration. Tectonics, 2008, 27, .	2.8	108
125	On the cause of the 1908 Messina tsunami, southern Italy. Geophysical Research Letters, 2008, 35, .	4.0	82
126	Subduction, convergence and the mode of backarc extension in the Mediterranean region. Bulletin - Societie Geologique De France, 2008, 179, 525-550.	2.2	136

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127	A benchmark comparison of spontaneous subduction modelsâ€"Towards a free surface. Physics of the Earth and Planetary Interiors, 2008, 171, 198-223.	1.9	361
128	Subduction polarity reversal at the junction between the Western Alps and the Northern Apennines, Italy. Tectonophysics, 2008, 450, 34-50.	2.2	125
129	Flat subduction dynamics and deformation of the South American plate: Insights from analog modeling. Tectonics, 2008, 27, .	2.8	189
130	A late Cretaceous contamination episode of the Europeanâ€"Mediterranean mantle. Earth and Planetary Science Letters, 2008, 268, 15-27.	4.4	33
131	Exhumation of high-pressure rocks driven by slab rollback. Earth and Planetary Science Letters, 2008, 272, 1-7.	4.4	314
132	Trench migration, net rotation and slabâ€"mantle coupling. Earth and Planetary Science Letters, 2008, 271, 233-240.	4.4	164
133	Tethyan closure, Andean orogeny, and westward drift of the Pacific Basin. Earth and Planetary Science Letters, 2008, 271, 303-310.	4.4	40
134	Late Pleistocene depositional cycles of the Lapis Tiburtinus travertine (Tivoli, Central Italy): Possible influence of climate and fault activity. Global and Planetary Change, 2008, 63, 299-308.	3.5	133
135	Slab disruption, mantle circulation, and the opening of the Tyrrhenian basins. , 2007, , .		29
136	Plate kinematics, slab shape and back-arc stress: A comparison between laboratory models and current subduction zones. Earth and Planetary Science Letters, 2007, 256, 473-483.	4.4	133
137	Predicting trench and plate motion from the dynamics of a strong slab. Earth and Planetary Science Letters, 2007, 257, 29-36.	4.4	89
138	TOPO-EUROPE: The geoscience of coupled deep Earth-surface processes. Global and Planetary Change, 2007, 58, 1-118.	3.5	137
139	Seismotectonics of the Nubia plate compressive margin in the south Tyrrhenian region, Italy: Clues for subduction inception. Journal of Geophysical Research, 2007, 112, .	3.3	63
140	Fracture-controlled fluid circulation and dissolutional weathering in sinkhole-prone carbonate rocks from central Italy. Journal of Structural Geology, 2007, 29, 385-395.	2.3	75
141	Tectonics and seismicity of the Tindari Fault System, southern Italy: Crustal deformations at the transition between ongoing contractional and extensional domains located above the edge of a subducting slab. Tectonics, 2006, 25, n/a-n/a.	2.8	100
142	Three-dimensional instantaneous mantle flow induced by subduction. Geophysical Research Letters, 2006, 33, .	4.0	136
143	Mapping mantle flow during retreating subduction: Laboratory models analyzed by feature tracking. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	186
144	Magnetic and structural constraints for the noncylindrical evolution of a continental forebulge (Hyblea, Italy). Tectonics, 2006, 25, n/a-n/a.	2.8	22

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145	Slab detachment beneath eastern Anatolia: A possible cause for the formation of the North Anatolian fault. Earth and Planetary Science Letters, 2006, 242, 85-97.	4.4	331
146	Neogene tectonic evolution of the Gibraltar Arc: New paleomagnetic constrains from the Betic chain. Earth and Planetary Science Letters, 2006, 250, 522-540.	4.4	32
147	Dynamical effects of subducting ridges: insights from 3-D laboratory models. Geophysical Journal International, 2005, 163, 1137-1150.	2.4	100
148	Slab pull and indentation tectonics: insights from 3D laboratory experiments. Physics of the Earth and Planetary Interiors, 2005, 149, 99-113.	1.9	48
149	Constraints on mantle circulation around the deforming Calabrian slab. Geophysical Research Letters, 2005, 32, .	4.0	114
150	Dynamics of subduction and plate motion in laboratory experiments: Insights into the â€œplate tectonicsâ€•behavior of the Earth. Journal of Geophysical Research, 2005, 110, .	3.3	150
151	Role of lateral mantle flow in the evolution of subduction systems: insights from laboratory experiments. Geophysical Journal International, 2004, 157, 1393-1406.	2.4	120
152	Lateral slab deformation and the origin of the western Mediterranean arcs. Tectonics, 2004, 23, n/a-n/a.	2.8	680
153	How deep can we find the traces of Alpine subduction?. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	56
154	Dynamics of retreating slabs: 2. Insights from three-dimensional laboratory experiments. Journal of Geophysical Research, 2003, 108, .	3.3	148
155	Subduction and the depth of convection in the Mediterranean mantle. Journal of Geophysical Research, 2003, 108, .	3.3	204
156	From subduction to collision: Control of deep processes on the evolution of convergent plate boundary. Journal of Geophysical Research, 2003, 108, .	3.3	63
157	Why did Arabia separate from Africa? Insights from 3-D laboratory experiments. Earth and Planetary Science Letters, 2003, 216, 365-381.	4.4	170
158	Role of lateral thickness variations on the development of oblique structures at the Western end of the South Pyrenean Central Unit. Tectonophysics, 2002, 350, 215-235.	2.2	65
159	Extensional tectonics on Sardinia (Italy): insights into the arcâ€“back-arc transitional regime. Tectonophysics, 2002, 356, 213-232.	2.2	76
160	Alpine structural and metamorphic signature of the Sila Piccola Massif nappe stack (Calabria, Italy): Insights for the tectonic evolution of the Calabrian Arc. Tectonics, 2001, 20, 112-133.	2.8	119
161	Episodic back-arc extension during restricted mantle convection in the Central Mediterranean. Earth and Planetary Science Letters, 2001, 187, 105-116.	4.4	256
162	Tertiary compressional deformation of the Iberian plate. Terra Nova, 2001, 13, 281-288.	2.1	56

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163	History of subduction and back-arc extension in the Central Mediterranean. Geophysical Journal International, 2001, 145, 809-820.	2.4	565
164	Mediterranean extension and the Africa-Eurasia collision. Tectonics, 2000, 19, 1095-1106.	2.8	855
165	The kinematics of back-arc basins, examples from the Tyrrhenian, Aegean and Japan Seas. Geological Society Special Publication, 1999, 164, 21-53.	1.3	24
166	Rheological properties of paraffin as an analogue material for viscous crustal deformation. Journal of Structural Geology, 1999, 21, 413-417.	2.3	40
167	The role of transfer structures on volcanic activity at Campi Flegrei (Southern Italy). Journal of Volcanology and Geothermal Research, 1999, 91, 123-139.	2.1	72
168	Syn- versus post-orogenic extension: the case study of Giglio Island (Northern Tyrrhenian Sea, Italy). Tectonophysics, 1999, 304, 71-93.	2.2	87
169	Initiation of subduction at Atlantic-type margins: Insights from laboratory experiments. Journal of Geophysical Research, 1999, 104, 2749-2766.	3.3	110
170	Midcrustal shear zones in postorogenic extension: Example from the northern Tyrrhenian Sea. Journal of Geophysical Research, 1998, 103, 12123-12160.	3.3	456
171	Magnetic fabric of weakly deformed clay-rich sediments in the Italian peninsula: Relationship with compressional and extensional tectonics. Tectonophysics, 1997, 271, 107-122.	2.2	147
172	Styles of backâ€arc extension in the Central Mediterranean. Terra Nova, 1997, 9, 126-130.	2.1	174
173	The dynamics of back-arc extension: an experimental approach to the opening of the Tyrrhenian Sea. Geophysical Journal International, 1996, 126, 781-795.	2.4	222
174	The influence of pre-existing thrust faults on normal fault geometry in nature and in experiments. Journal of Structural Geology, 1995, 17, 1139-1149.	2.3	85
175	Magnetic fabric and structural setting of Plio-Pleistocene clayey units in an extensional regime: the Tyrrhenian margin of central Italy. Journal of Structural Geology, 1994, 16, 1243-1257.	2.3	65
176	Evolution of a transferâ€related basin: the Ardea basin (Latium, central Italy). Basin Research, 1994, 6, 35-46.	2.7	44
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