Laurent Jolivet

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3638832/publications.pdf

Version: 2024-02-01

212 papers	20,759 citations	7568 77 h-index	10732 138 g-index
214 all docs	214 docs citations	214 times ranked	8037 citing authors

#	Article	IF	Citations
1	Mediterranean extension and the Africa-Eurasia collision. Tectonics, 2000, 19, 1095-1106.	2.8	855
2	Convergence history across Zagros (Iran): constraints from collisional and earlier deformation. International Journal of Earth Sciences, 2005, 94, 401-419.	1.8	816
3	Zagros orogeny: a subduction-dominated process. Geological Magazine, 2011, 148, 692-725.	1.5	742
4	Lateral slab deformation and the origin of the western Mediterranean arcs. Tectonics, 2004, 23, n/a-n/a.	2.8	680
5	History of subduction and back-arc extension in the Central Mediterranean. Geophysical Journal International, 2001, 145, 809-820.	2.4	565
6	Cenozoic geodynamic evolution of the Aegean. International Journal of Earth Sciences, 2010, 99, 109-138.	1.8	554
7	Exhumation of oceanic blueschists and eclogites in subduction zones: Timing and mechanisms. Earth-Science Reviews, 2009, 92, 53-79.	9.1	498
8	Midcrustal shear zones in postorogenic extension: Example from the northern Tyrrhenian Sea. Journal of Geophysical Research, 1998, 103, 12123-12160.	3.3	456
9	Japan Sea, opening history and mechanism: A synthesis. Journal of Geophysical Research, 1994, 99, 22237-22259.	3.3	429
10	Aegean tectonics: Strain localisation, slab tearing and trench retreat. Tectonophysics, 2013, 597-598, 1-33.	2.2	419
11	Mantle dynamics in the Mediterranean. Reviews of Geophysics, 2014, 52, 283-332.	23.0	394
12	Arc-magmatism and subduction history beneath the Zagros Mountains, Iran: A new report of adakites and geodynamic consequences. Lithos, 2008, 106, 380-398.	1.4	387
13	Subduction tectonics and exhumation of high-pressure metamorphic rocks in the Mediterranean orogens. Numerische Mathematik, 2003, 303, 353-409.	1.4	365
14	Timing, kinematics and cause of Aegean extension: a scenario based on a comparison with simple analogue experiments. Tectonophysics, 1999, 315, 31-72.	2.2	256
15	A thermomechanical model of exhumation of high pressure (HP) and ultra-high pressure (UHP) metamorphic rocks in Alpine-type collision belts. Tectonophysics, 2001, 342, 113-136.	2.2	254
16	Kinematics, topography, shortening, and extrusion in the Indiaâ€Eurasia collision. Tectonics, 1992, 11, 1085-1098.	2.8	244
17	Migration of compression and extension in the Tyrrhenian Sea, insights from 40Ar/39Ar ages on micas along a transect from Corsica to Tuscany. Tectonophysics, 2000, 321, 127-155.	2.2	233
18	Structure and kinematics of Upper Cenozoic extensional detachment on Naxos and Paros (Cyclades) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.8	219

#	Article	IF	Citations
19	Japan Sea: a pull-apart basin?. Earth and Planetary Science Letters, 1986, 76, 375-389.	4.4	205
20	Subduction and the depth of convection in the Mediterranean mantle. Journal of Geophysical Research, 2003, 108, .	3.3	204
21	From mantle to crust: Stretching the Mediterranean. Earth and Planetary Science Letters, 2009, 285, 198-209.	4.4	202
22	Miocene detachment in Crete and exhumation P-T-t paths of high-pressure metamorphic rocks. Tectonics, 1996, 15, 1129-1153.	2.8	199
23	Tectonic setting of Western Pacific marginal basins. Tectonophysics, 1989, 160, 23-47.	2.2	196
24	Lithospheric-scale geodynamic context of the Messinian salinity crisis. Sedimentary Geology, 2006, 188-189, 9-33.	2.1	189
25	The North Cycladic Detachment System. Earth and Planetary Science Letters, 2010, 289, 87-104.	4.4	187
26	Exhumation of the Schistes Lustres complex: in situ laser probe 40Ar/39Ar constraints and implications for the Western Alps. Journal of Metamorphic Geology, 2002, 20, 599-618.	3.4	185
27	A simple model for the tectonic evolution of Southeast Asia and Indonesia region for the past 43 m.y. Bulletin - Societie Geologique De France, 1990, Vl, 889-905.	2.2	182
28	Exhumation of deep crustal metamorphic rocks and crustal extension in arc and back-arc regions. Lithos, 1994, 33, 3-30.	1.4	175
29	Styles of backâ€arc extension in the Central Mediterranean. Terra Nova, 1997, 9, 126-130.	2.1	174
30	Why did Arabia separate from Africa? Insights from 3-D laboratory experiments. Earth and Planetary Science Letters, 2003, 216, 365-381.	4.4	170
31	HP-UHP exhumation during slow continental subduction: Self-consistent thermodynamically and thermomechanically coupled model with application to the Western Alps. Earth and Planetary Science Letters, 2008, 271, 63-74.	4.4	167
32	Ductile extension in alpine Corsica. Geology, 1990, 18, 1007.	4.4	166
33	The Zermattâ€Saas ophiolite: the largest (60â€km wide) and deepest (c. 70â€“80â€ƒkm) continuous slice of oceanic lithosphere detached from a subduction zone?. Terra Nova, 2009, 21, 171-180.	2.1	157
34	A comparison of geodetic and finite strain pattern in the Aegean, geodynamic implications. Earth and Planetary Science Letters, 2001, 187, 95-104.	4.4	155
35	Back arc extension and denudation of Mediterranean eclogites. Tectonics, 1997, 16, 924-941.	2.8	152
36	Relation between the intensity of deformation and retrogression in blueschist metapelites of Tinos Island (Greece) evidenced by chloriteâ€“mica local equilibria. Lithos, 2002, 63, 41-66.	1.4	151

#	Article	IF	Citations
37	Structural and kinematic relationships between Corsica and the Pyrenees-Provence domain at the time of the Pyrenean orogeny. Tectonics, 2005, 24, n/a-n/a.	2.8	147
38	Transient, synobduction exhumation of Zagros blueschists inferred from P-T, deformation, time, and kinematic constraints: Implications for Neotethyan wedge dynamics. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	147
39	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
40	Late Cretaceous to Paleogene post-obduction extension and subsequent Neogene compression in the Oman Mountains. Geoarabia, 2006, 11, 17-40.	1.6	147
41	Plate acceleration: The obduction trigger?. Earth and Planetary Science Letters, 2007, 258, 428-441.	4.4	146
42	Burial and exhumation in a subduction wedge: Mutual constraints from thermomechanical modeling and natural Pâ€•Tâ€• data (Schistes LustrÃ©s, western Alps). Journal of Geophysical Research, 2007, 112, .	3.3	145
43	Exhumation of Syros and Sifnos metamorphic rocks (Cyclades, Greece). New constraints on the P-T paths. European Journal of Mineralogy, 2001, 13, 901-920.	1.3	144
44	Tectono-metamorphic evolution of Syros and Sifnos islands (Cyclades, Greece). Tectonophysics, 2001, 338, 179-206.	2.2	139
45	Tectonometamorphic evolution of the Schistes Lustres Complex; implications for the exhumation of HP and UHP rocks in the Western Alps. Bulletin - Societie Geologique De France, 2001, 172, 617-636.	2.2	137
46	Subduction, convergence and the mode of backarc extension in the Mediterranean region. Bulletin - Societie Geologique De France, 2008, 179, 525-550.	2.2	136
47	The geological signature of a slab tear below the Aegean. Tectonophysics, 2015, 659, 166-182.	2.2	135
48	A twoâ€•step process for the reflooding of the<scp>M</scp>editerranean after the<scp>M</scp>essinian<scp>S</scp>alinity<scp>C</scp>risis. Basin Research, 2012, 24, 125-153.	2.7	134
49	Subduction polarity reversal at the junction between the Western Alps and the Northern Apennines, Italy. Tectonophysics, 2008, 450, 34-50.	2.2	125
50	First evidence of high-pressure metamorphism in the â€œCover Seriesâ€•of the southern Menderes Massif. Tectonic and metamorphic implications for the evolution of SW Turkey. Lithos, 2003, 71, 19-46.	1.4	123
51	Rightâ€•lateral shear along the Northwest Pacific Margin and the Indiaâ€“Eurasia Collision. Tectonics, 1990, 9, 1409-1419.	2.8	122
52	Driving the upper plate surface deformation by slab rollback and mantle flow. Earth and Planetary Science Letters, 2014, 405, 110-118.	4.4	120
53	Oligo-Miocene midcrustal subhorizontal shear zone in Indochina. Tectonics, 2001, 20, 46-57.	2.8	118
54	Early Middle Paleozoic Intraplate Orogeny in the Ogcheon Belt (South Korea): A new insight on the Paleozoic buildup of east Asia. Tectonics, 1991, 10, 1130-1151.	2.8	117

#	Article	IF	Citations
55	Neogene strike-slip faulting in Sakhalin and the Japan Sea opening. Journal of Geophysical Research, 1994, 99, 2701-2725.	3.3	114
56	Arâ€“Ar and fission-track ages in the Song Chay Massif: Early Triassic and Cenozoic tectonics in northern Vietnam. Journal of Asian Earth Sciences, 2001, 19, 233-248.	2.3	113
57	Exhumation, doming and slab retreat in the Betic Cordillera (SE Spain): in situ40Ar/39Ar ages and P-T-d-t paths for the Nevado-Filabride complex. Journal of Metamorphic Geology, 2005, 23, 357-381.	3.4	111
58	Rifted margins: Ductile deformation, boudinage, continentward-dipping normal faults and the role of the weak lower crust. Gondwana Research, 2018, 53, 20-40.	6.0	111
59	Analysis of continental midcrustal strain localization induced by microfracturing and reaction-softening. Journal of Geophysical Research, 2003, 108, .	3.3	110
60	Kinematic reconstructions and magmatic evolution illuminating crustal and mantle dynamics of the eastern Mediterranean region since the late Cretaceous. Tectonophysics, 2016, 675, 103-140.	2.2	110
61	Alpine Corsica Metamorphic Core Complex. Tectonics, 1991, 10, 1173-1186.	2.8	109
62	Softening trigerred by eclogitization, the first step toward exhumation during continental subduction. Earth and Planetary Science Letters, 2005, 237, 532-547.	4.4	105
63	Collision kinematics in the western external Alps. Tectonics, 2014, 33, 1055-1088.	2.8	103
64	Crustal-scale boudinage and migmatization of gneiss during their exhumation in the UHP Province of Western Norway. Terra Nova, 2002, 14, 263-270.	2.1	101
65	3D numerical modeling of mantle flow, crustal dynamics and magma genesis associated with slab roll-back and tearing: The eastern Mediterranean case. Earth and Planetary Science Letters, 2016, 442, 93-107.	4.4	101
66	Correlation of syn-orogenic tectonic and metamorphic events in the Cyclades, the Lycian nappes and the Menderes massif. Geodynamic implications. Bulletin - Societie Geologique De France, 2004, 175, 217-238.	2.2	95
67	Arc deformation and marginal basin opening: Japan Sea as a case study. Journal of Geophysical Research, 1991, 96, 4367-4384.	3.3	94
68	Geometry and kinematics of extension in Alpine Corsica. Earth and Planetary Science Letters, 1991, 104, 278-291.	4.4	88
69	Deep crustal fabrics and a model for the extensional collapse of the southwest Norwegian Caledonides. Journal of Structural Geology, 1994, 16, 1191-1203.	2.3	88
70	Syn- versus post-orogenic extension: the case study of Giglio Island (Northern Tyrrhenian Sea, Italy). Tectonophysics, 1999, 304, 71-93.	2.2	87
71	Continental plate collision: Unstable vs. stable slab dynamics. Geology, 2004, 32, 33.	4.4	87
72	Ductile extensional shear zones in the lower crust of a passive margin. Earth and Planetary Science Letters, 2015, 431, 1-7.	4.4	84

#	Article	IF	Citations
73	The Japan Trench and its juncture with the Kuril Trench: cruise results of the Kaiko project, Leg 3. Earth and Planetary Science Letters, 1987, 83, 267-284.	4.4	83
74	Crustal-scale strain partitioning: footwall deformation below the Alpine Oligo-Miocene detachment of Corsica. Journal of Structural Geology, 1996, 18, 41-59.	2.3	83
75	The role of pre-existing thrust faults and topography on the styles of extension in the Gran Sasso range (central Italy). Tectonophysics, 1998, 292, 229-254.	2.2	83
76	Thrust or detachment? Exhumation processes in the Aegean: Insight from a field study on Ios (Cyclades, Greece). Tectonics, 2009, 28, .	2.8	82
77	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
78	Deformation history of the high-pressure Lycian Nappes and implications for tectonic evolution of SW Turkey. Tectonics, 2003, 22, n/a-n/a.	2.8	81
79	Detachments in high-pressure mountain belts, Tethyan examples. Earth and Planetary Science Letters, 1998, 160, 31-47.	4.4	80
80	Continental breakup and the dynamics of rifting in back-arc basins: The Gulf of Lion margin. Tectonics, 2015, 34, 662-679.	2.8	80
81	Deep scientific dives in the Japan and Kuril Trenches. Earth and Planetary Science Letters, 1987, 83, 313-328.	4.4	77
82	Oligocene-Miocene Bu Khang extensional gneiss dome in Vietnam: Geodynamic implications. Geology, 1999, 27, 67.	4.4	76
83	Exhumation Paths of High-Pressureâ€“Low-Temperature Metamorphic Rocks from the Lycian Nappes and the Menderes Massif (SW Turkey): a Multi-Equilibrium Approach. Journal of Petrology, 2005, 46, 641-669.	2.8	75
84	Spatial transition from compression to extension in the Western Mediterranean Ridge accretionary complex. Tectonophysics, 1994, 234, 33-52.	2.2	73
85	Ductile extension and the formation of the Aegean Sea. Geological Society Special Publication, 1999, 156, 427-456.	1.3	73
86	Cold subduction and the formation of lawsonite eclogite â€“ constraints from prograde evolution of eclogitized pillow lava from Corsica. Journal of Metamorphic Geology, 2010, 28, 381-395.	3.4	72
87	Mantle Flow and Deforming Continents: From Indiaâ€Asia Convergence to Pacific Subduction. Tectonics, 2018, 37, 2887-2914.	2.8	72
88	Post-orogenic extension and metamorphic core complexes in a heterogeneous crust: the role of crustal layering inherited from collision. Application to the Cyclades (Aegean domain). Geophysical Journal International, 2011, 184, 611-625.	2.4	71
89	Tectonic and stratigraphic evolution of the Western Alboran Sea Basin in the last 25 Myrs. Tectonophysics, 2016, 677-678, 280-311.	2.2	69
90	Late Orogenic doming in the eastern Betic Cordilleras: Final exhumation of the Nevado-Filabride complex and its relation to basin genesis. Tectonics, 2005, 24, n/a-n/a.	2.8	67

#	Article	IF	Citations
91	Mechanisms of margin inversion in the external Western Alps: Implications for crustal rheology. Tectonophysics, 2012, 560-561, 62-83.	2.2	67
92	Ferro- and magnesiocarpholite from the Monte Argentario (Italy): First evidence for high-pressure metamorphism of the metasedimentary Verrucano sequence, and significance for P-T path reconstruction. European Journal of Mineralogy, 1997, 9, 859-874.	1.3	66
93	Normal faulting of the Daiichi-Kashima Seamount in the Japan Trench revealed by the Kaiko I cruise, Leg 3. Earth and Planetary Science Letters, 1987, 83, 257-266.	4.4	64
94	From ductile to brittle: Evolution and localization of deformation below a crustal detachment (Tinos, Cyclades, Greece). Tectonics, 2005, 24, n/a-n/a.	2.8	63
95	Paleomagnetic rotations and the Japan Sea opening. Geophysical Monograph Series, 1995, , 355-369.	0.1	62
96	Kinematic interpretation of the 3D shapes of metamorphic core complexes. Geochemistry, Geophysics, Geosystems, 2012, 13, .	2.5	61
97	Detachment faults and pluton emplacement; Elba Island (Tyrrhenian Sea). Bulletin - Societie Geologique De France, 1995, 166, 341-354.	2.2	60
98	Backarc extension and collision: an experimental approach to the tectonics of Asia. Geophysical Journal International, 2004, 157, 871-889.	2.4	60
99	Evolution of hydrothermal regime along a crustal shear zone, Tinos Island, Greece. Tectonics, 2004, 23, n/a-n/a.	2.8	57
100	Consequences of progressive eclogitization on crustal exhumation, a mechanical study. Geophysical Journal International, 2007, 168, 379-401.	2.4	56
101	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
102	Rifting and shallow-dipping detachments, clues from the Corinth Rift and the Aegean. Tectonophysics, 2010, 483, 287-304.	2.2	55
103	Extraneous argon in high-pressure metamorphic rocks: Distribution, origin and transport in the Cycladic Blueschist Unit (Greece). Lithos, 2017, 272-273, 315-335.	1.4	54
104	Exhumation of eclogite and blueschist (Cyclades, Greece): Pressureâ€“temperature evolution determined by thermobarometry and garnet equilibrium modelling. Journal of Metamorphic Geology, 2018, 36, 769-798.	3.4	54
105	New, highâ€precision Pâ€“T estimates for Oman blueschists: implications for obduction, nappe stacking and exhumation processes. Journal of Metamorphic Geology, 2007, 25, 657-682.	3.4	53
106	Geometry and kinematics of Mykonos detachment, Cyclades, Greece: Evidence for slip at shallow dip. Tectonics, 2010, 29, n/a-n/a.	2.8	53
107	Evidence for Paleoceneâ€“Eocene evolution of the foot of the Eurasian margin (Kermanshah ophiolite,) Tj ETQq1 1 0.784314 rgBT /Ov 182-183, 11-32.	1.4	53
108	Strain localization in a fossilized subduction channel: Insights from the Cycladic Blueschist Unit (Syros, Greece). Tectonophysics, 2016, 672-673, 150-169.	2.2	53

#	Article	IF	Citations
109	Strain localization during crustal-scale boudinage to form extensional metamorphic domes in the Aegean Sea. , 2004, , .		52
110	Granite intrusion in a metamorphic core complex: The example of the Mykonos laccolith (Cyclades,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.2	52
111	New insights on the Sorbas Basin (SE Spain): The onshore reference of the Messinian Salinity Crisis. Marine and Petroleum Geology, 2015, 66, 71-100.	3.3	52
112	Lago Mare and the Messinian Salinity Crisis: Evidence from the Alboran Sea (S. Spain). Marine and Petroleum Geology, 2014, 52, 57-76.	3.3	51
113	High-pressure-low-temperature metamorphism and deformation in the Bundnerschiefer of the Engadine window: implications for the regional evolution of the eastern Central Alps. Journal of Metamorphic Geology, 1998, 16, 657-674.	3.4	49
114	Exhumation kinematics of the Cycladic Blueschists unit and back-arc extension, insight from the Southern Cyclades (Sikinos and Folegandros Islands, Greece). Tectonics, 2015, 34, 152-185.	2.8	49
115	Neogene Kinematics in the Japan Sea Region and Volcanic Activity of the Northeast Japan Arc. , 0, , .		49
116	The Hidaka Shear Zone (Hokkaido, Japan): Genesis during a rightâ€lateral strikeâ€slip movement. Tectonics, 1985, 4, 289-302.	2.8	48
117	Detailed tectonic reconstructions of the Western Mediterranean region for the last 35â€‰Ma, insights on driving mechanisms. Bulletin - Societie Geologique De France, 2020, 191, 37.	2.2	48
118	The Mediterranean Basins: Tertiary Extension within the Alpine Orogen â€" an introduction. Geological Society Special Publication, 1999, 156, 1-14.	1.3	47
119	Initiation of crustal-scale thrusts triggered by metamorphic reactions at depth: Insights from a comparison between the Himalayas and Scandinavian Caledonides. Tectonics, 2010, 29, n/a-n/a.	2.8	47
120	Cenozoic intracontinental dextral motion in the Okhotskâ€Japan Sea Region. Tectonics, 1992, 11, 968-977.	2.8	46
121	Thermal structure of a fossil subduction wedge in the Western Alps. Terra Nova, 2009, 21, 28-34.	2.1	46
122	Magmatic pulse driven by sea-level changes associated with the Messinian salinity crisis. Nature Geoscience, 2017, 10, 783-787.	12.9	46
123	3D subduction dynamics: A first-order parameter of the transition from copper- to gold-rich deposits in the eastern Mediterranean region. Ore Geology Reviews, 2018, 94, 118-135.	2.7	45
124	Crustal-scale strike-slip deformation in Hokkaido, northern Japan. Journal of Structural Geology, 1989, 11, 509-522.	2.3	43
125	Shortening of the European Dauphinois margin (Oisans Massif, Western Alps): New insights from RSCM maximum temperature estimates and 40Ar/39Ar in situ dating. Journal of Geodynamics, 2015, 83, 37-64.	1.6	43
126	Plume-induced continental rifting and break-up in ultra-slow extension context: Insights from 3D numerical modeling. Tectonophysics, 2018, 746, 121-137.	2.2	42

#	Article	IF	Citations
127	Mechanics of low-angle extensional shear zones at the brittle-ductile transition. Journal of Geophysical Research, 2004, 109, .	3.3	41
128	America-Eurasia plate boundary in eastern Asia and the opening of marginal basins. Earth and Planetary Science Letters, 1987, 81, 282-288.	4.4	40
129	Anatomy of the Cycladic Blueschist Unit on Sifnos Island (Cyclades, Greece). Journal of Geodynamics, 2016, 97, 62-87.	1.6	39
130	Exhumation constraints for the lower Nevado-Filabride Complex (Betic Cordillera, SE Spain): a Raman thermometry and Tweequ multiequilibrium thermobarometry approach. Bulletin - Societie Geologique De France, 2005, 176, 403-416.	2.2	38
131	Along-strike variations of Pâ€“T conditions in accretionary wedges and syn-orogenic extension, the HPâ€“LT Phylliteâ€“Quartzite Nappe in Crete and the Peloponnese. Tectonophysics, 2010, 480, 133-148.	2.2	38
132	Interactions between plutonism and detachments during metamorphic core complex formation, Serifos Island (Cyclades, Greece). Tectonics, 2015, 34, 1080-1106.	2.8	38
133	Synextensional Granitoids and Detachment Systems Within Cycladic Metamorphic Core Complexes (Aegean Sea, Greece): Toward a Regional Tectonomagmatic Model. Tectonics, 2018, 37, 2328-2362.	2.8	38
134	The North Cycladic Detachment System and associated mineralization, Mykonos, Greece: Insights on the evolution of the Aegean domain. Tectonics, 2013, 32, 433-452.	2.8	37
135	The Nappe des Marbres Unit of the Basqueâ€Cantabrian Basin: The Tectonoâ€thermal Evolution of a Fossil Hyperextended Rift Basin. Tectonics, 2019, 38, 3881-3915.	2.8	37
136	Fast dismantling of a mountain belt by mantle flow: Late-orogenic evolution of Pyrenees and Liguro-ProvenÃ§al rifting. Tectonophysics, 2020, 776, 228312.	2.2	37
137	Interrelations between extensional shear zones and synkinematic intrusions: The example of Ikaria Island (NE Cyclades, Greece). Tectonophysics, 2015, 651-652, 152-171.	2.2	36
138	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
139	Extensional crustal tectonics and crust-mantle coupling, a view from the geological record. Earth-Science Reviews, 2018, 185, 1187-1209.	9.1	36
140	Emplacement of metamorphic core complexes and associated geothermal systems controlled by slab dynamics. Earth and Planetary Science Letters, 2018, 498, 322-333.	4.4	36
141	The Ikaria high-temperature Metamorphic Core Complex (Cyclades, Greece): Geometry, kinematics and thermal structure. Journal of Geodynamics, 2015, 92, 18-41.	1.6	34
142	Pressure-temperature-time deformation history of the exhumation of ultra-high pressure rocks in the Western Gneiss Region, Norway. , 2004, , .		33
143	Coupled phengite⁴⁰Arâ€“³⁹Ar geochronology and thermobarometry:P-T-tevolution of Andros Island (Cyclades, Greece). Geological Magazine, 2015, 152, 711-727.	1.5	32
144	Slab fragmentation beneath the Aegean/Anatolia transition zone: Insights from the tectonic and metamorphic evolution of the Eastern Aegean region. Tectonophysics, 2019, 754, 101-129.	2.2	32

#	Article	IF	Citations
145	Tectonic inversion of an asymmetric graben: Insights from a combined field and gravity survey in the Sorbas basin. Tectonics, 2014, 33, 1360-1385.	2.8	31
146	Neogene stress field in SW Japan and mechanism of deformation during the Sea of Japan opening. Journal of Geophysical Research, 1995, 100, 24295-24314.	3.3	30
147	Mesozoic evolution of Northeast Asia and the collision of the okhotsk microcontinent. Tectonophysics, 1988, 149, 89-109.	2.2	29
148	Insights from the Apennines metamorphic complexes and their bearing on the kinematics evolution of the orogen. Geological Society Special Publication, 2009, 311, 235-256.	1.3	29
149	Geodynamic evolution of a wide plate boundary in the Western Mediterranean, near-fieldversusfar-field interactions. Bulletin - Societie Geologique De France, 2021, 192, 48.	2.2	29
150	Evidence of retrograde Mg-carpholite in the Phyllite-Quartzite nappe of Peloponnese from thermobarometric modelisation - geodynamic implications. Geodinamica Acta, 2006, 19, 323-343.	2.2	28
151	Garnet reequilibration and growth in the eclogite facies and geodynamical evolution near peak metamorphic conditions. Contributions To Mineralogy and Petrology, 2007, 153, 1-28.	3.1	28
152	Basement shear zones development and shortening kinematics in the Ecrins Massif, Western Alps. Tectonics, 2014, 33, 84-111.	2.8	28
153	Synkinematic skarns and fluid drainage along detachments: The West Cycladic Detachment System on Serifos Island (Cyclades, Greece) and its related mineralization. Tectonophysics, 2017, 695, 1-26.	2.2	28
154	The magnetic fabric of metasediments in a detachment shear zone: the example of Tinos Island (Greece). Tectonophysics, 2000, 321, 219-236.	2.2	26
155	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
156	Formation of metamorphic core complex in inherited wedges: A thermomechanical modelling study. Earth and Planetary Science Letters, 2011, 309, 249-257.	4.4	24
157	Transfer zones in Mediterranean back-arc regions and tear faults. Bulletin - Societie Geologique De France, 2021, 192, 11.	2.2	24
158	Grain-size-sensitive flow and shear-stress enhancement at the brittleâ€“ductile transition of the continental crust. International Journal of Earth Sciences, 2001, 90, 181-196.	1.8	23
159	The wide distribution of HP-LT rocks in the Lycian Belt (Western Turkey): implications for accretionary wedge geometry. Geological Society Special Publication, 2006, 260, 447-466.	1.3	23
160	From ductile to brittle, late- to post-orogenic evolution of the Betic Cordillera: Structural insights from the northeastern Internal zones. Bulletin - Societie Geologique De France, 2013, 184, 405-425.	2.2	22
161	Rheological implications of extensional detachments: Mediterranean and numerical insights. Earth-Science Reviews, 2016, 161, 233-258.	9.1	22
162	Structural, lithological, and geodynamic controls on geothermal activity in the Menderes geothermal Province (Western Anatolia, Turkey). International Journal of Earth Sciences, 2019, 108, 301-328.	1.8	22

#	Article	IF	Citations
163	Clay sedimentation in the Japan Sea since the Early Miocene: influence of source-rock and hydrothermal activity. Sedimentary Geology, 1992, 80, 27-40.	2.1	21
164	Cenozoic mountain building and topographic evolution in Western Europe: impact of billions of years of lithosphere evolution and plate kinematics. Bulletin - Societie Geologique De France, 2021, 192, 56.	2.2	21
165	Volcanic activity recorded in deep-sea sediments and the geodynamic evolution of western Pacific island arcs. Geophysical Monograph Series, 1995, , 97-124.	0.1	20
166	Ion probe and fluid inclusion evidence for co-seismic fluid infiltration in a crustal detachment. Contributions To Mineralogy and Petrology, 2005, 150, 354-367.	3.1	20
167	Kinematics of syneclogite deformation in the Bergen Arcs, Norway: implications for exhumation mechanisms. Geological Society Special Publication, 2005, 243, 175-192.	1.3	20
168	Fluid properties and dynamics along the seismogenic plate interface. , 2018, 14, 469-491.		20
169	Structural evolution of Andros (Cyclades, Greece): a key to the behaviour of a (flat) detachment within an extending continental crust. Geological Society Special Publication, 2007, 291, 41-73.	1.3	19
170	Deformation behavior of continental crust during subduction and exhumation: Strain distribution over the Tenda massif (Alpine Corsica, France). Tectonophysics, 2017, 705, 12-32.	2.2	19
171	Plumeâ€Induced Breakup of a Subducting Plate: Microcontinent Formation Without Cessation of the Subduction Process. Geophysical Research Letters, 2019, 46, 3663-3675.	4.0	19
172	A continuum mechanics approach to quantify brittle strain on weak faults: application to the extensional reactivation of shallow dipping discontinuities. Geophysical Journal International, 2011, 184, 1-11.	2.4	18
173	Lateral variations of pressure-temperature evolution in non-cylindrical orogens and 3-D subduction dynamics: the Betic-Rif Cordillera example. Bulletin - Societie Geologique De France, 2021, 192, 8.	2.2	18
174	Deciphering orogenic evolution. Journal of Geodynamics, 2012, 56-57, 1-6.	1.6	17
175	Metasomatism and deformation of block-in-matrix structures in Syros: The role of inheritance and fluid-rock interactions along the subduction interface. Lithos, 2021, 386-387, 105996.	1.4	17
176	3D modelling of the Sorbas Basin (Spain): New constraints on the Messinian Erosional Surface morphology. Marine and Petroleum Geology, 2015, 66, 101-116.	3.3	16
177	The role of inheritance in forming rifts and rifted margins and building collisional orogens: a Biscay-Pyrenean perspective. Bulletin - Societie Geologique De France, 2021, 192, 55.	2.2	16
178	Basementâ€Cover Decoupling During the Inversion of a Hyperextended Basin: Insights From the Eastern Pyrenees. Tectonics, 2021, 40, e2020TC006512.	2.8	15
179	40Ar behaviour and exhumation dynamics in a subduction channel from multi-scale 40Ar/39Ar systematics in phengite. Geochimica Et Cosmochimica Acta, 2021, 311, 141-173.	3.9	15
180	Transfer zones and associated volcanic province in the eastern Valencia Basin: Evidence for a hot rifted margin?. Marine and Petroleum Geology, 2020, 119, 104419.	3.3	15

#	Article	IF	Citations
181	In Situ and Stepâ€Heating ⁴⁰Ar/³⁹Ar Dating of White Mica in Lowâ€Temperature Shear Zones (Tenda Massif, Alpine Corsica, France). Tectonics, 2020, 39, e2020TC006246.	2.8	14
182	Strain Localization Within a Syntectonic Intrusion in a Backâ€Arc Extensional Context: The Naxos Monzogranite (Greece). Tectonics, 2018, 37, 558-587.	2.8	13
183	Anatomy and evolution of a migmatite-cored extensional metamorphic dome and interaction with syn-kinematic intrusions, the Mykonos-Delos-Rheneia MCC. Journal of Geodynamics, 2021, 144, 101824.	1.6	13
184	Initiation, geometry and mechanics of brittle faulting in exhuming metamorphic rocks: insights from the northern Cycladic islands (Aegean, Greece). Bulletin - Societie Geologique De France, 2013, 184, 383-403.	2.2	12
185	Tectonic evolution of Leros (Dodecanese, Greece) and correlations between the Aegean Domain and the Menderes Massif. Journal of the Geological Society, 2018, 175, 836-849.	2.1	12
186	The Catalan magnetic anomaly: Its significance for the crustal structure of the Gulf of Lion passive margin and relationship to the Catalan transfer zone. Marine and Petroleum Geology, 2020, 113, 104174.	3.3	12
187	Pluton emplacement in the Northern Tyrrhenian area, Italy. Geological Society Special Publication, 2000, 174, 55-77.	1.3	11
188	Mobility of metamorphic fluids inferred from infrared microspectroscopy on natural fluid inclusions: the example of Tinos Island, Greece. Contributions To Mineralogy and Petrology, 2004, 146, 736-749.	3.1	11
189	Distribution and intensity of High-Temperature Low-Pressure metamorphism across the Pyrenean-Cantabrian belt: constraints on the thermal record of the pre-orogenic hyperextension rifting. Bulletin - Societie Geologique De France, 2021, 192, 43.	2.2	10
190	⁴⁰Ar/³⁹Ar Age Constraints on HP/LT Metamorphism in Extensively Overprinted Units: The Example of the AlpujÃ¡rride Subduction Complex (Betic Cordillera,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.8	10
191	Interactions of plutons and detachments: a comparison of Aegean and Tyrrhenian granitoids. Solid Earth, 2021, 12, 1357-1388.	2.8	9
192	Effects of asthenospheric flow and orographic precipitation on continental rifting. Tectonophysics, 2021, 820, 229120.	2.2	9
193	Cimmerian metamorphism and post Mid-Cimmerian exhumation in Central Iran: Insights from in-situ Rb/Sr and U/Pb dating. Journal of Asian Earth Sciences, 2022, 233, 105242.	2.3	9
194	The Hokkaido central belt, northern Japan; the succession of tectonic states. Bulletin - Societie Geologique De France, 1986, II, 311-327.	2.2	8
195	Strain localisation in mechanically layered rocks beneath detachment zones: insights from numerical modelling. Solid Earth, 2013, 4, 135-152.	2.8	8
196	Reply to: Comment by Aftabi and Atapour on Â« Arc magmatism and subduction history beneath the Zagros Mountains, Iran: A new report of adakites and geodynamic consequences Â». Lithos, 2009, 113, 847-849.	1.4	7
197	Passive imaging of collisional orogens: a review of a decade of geophysical studies in the PyrÃ©nÃ©es. Bulletin - Societie Geologique De France, 2022, 193, 1.	2.2	7
198	Delos Archaeological Marbles: A Preliminary Geochemistryâ€Based Quarry Provenance Study. Archaeometry, 2021, 63, 907-922.	1.3	6

#	Article	IF	Citations
199	Exhumation of the Ronda Peridotite During Hyperâ€Extension: New Structural and Thermal Constraints From the Nieves Unit (Western Betic Cordillera, Spain). Tectonics, 2021, 40, e2020TC006271.	2.8	6
200	Reply to the comment by G. Capponi et al. on â€œSubduction polarity reversal at the junction between the Western Alps and the Northern Apennines, Italyâ€• by G. Vignaroli et al. (Tectonophysics, 2008, 450,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.8	3
201	Uppermost Jurassic unconformity in Hokkaido, Evidence for an early tectonic stage.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1983, 59, 153-157.	3.8	2
202	Tectonic evolution of the Hokkaido central belt; a model. Bulletin - Societie Geologique De France, 1987, III, 487-497.	2.2	2
203	Clockwise tectonic rotation of Tertiary sedimentary basins in central Hokkaido, northern Japan: Comment and Reply. Geology, 1994, 22, 94.	4.4	2
204	Extâ‰•nsion post-orogÃ©nique et zones de cisaillement. Ã‰tude d'une brÃ¨che tectonique situÃ©e le long d'un niveau de dÃ©collement Ã Tinos (Cyclades, GrÃ¨ce). Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 1998, 326, 355-362.	0.2	2
205	Reply [to â€œComment on â€˜Back arc extension and denudation of Mediterranean eclogitesâ€™â€™]. Tectonics, 2000, 19, 410-414.	2.8	2
206	Les dÃ´mes mÃ©tamorphiques extensifs dans les chaÃ®nes de montagnes. Extension syn-orogÃ©nique et post-orogÃ©nique. Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 2000, 330, 739-751.	0.2	0
207	Reply to the comment on the paper â€œLago Mare and the Messinian Salinity Crisis: Evidence from the Alboran Sea (S. Spain) by Do Couto etÂal. (2014) Marine and Petroleum Geology 52 (57â€“76)â€•authored by Serrano and Guerra-MerchÃ¡n. Marine and Petroleum Geology, 2015, 65, 340-342.	3.3	0
208	Thank You to Our 2017 Peer Reviewers. Tectonics, 2018, 37, 2272-2277.	2.8	0
209	Thank You to Our 2018 Peer Reviewers. Tectonics, 2019, 38, 1159-1163.	2.8	0
210	Thank You to Our 2019 Reviewers. Tectonics, 2020, 39, e2020TC006136.	2.8	0
211	Thank You to Our 2020 Reviewers. Tectonics, 2021, 40, e2021TC006769.	2.8	0
212	Introduction to the Special Section in â€œGeodynamics, Crustal and Lithospheric Tectonics, and Active Deformation in the Mediterranean Regionsâ€•(A Tribute to Prof. Renato Funiciello). Tectonics, 2021, 40, e2021TC006939.	2.8	0