

# Armel Menant

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3886567/publications.pdf>

Version: 2024-02-01

22  
papers

1,064  
citations

394421

19  
h-index

713466

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1262  
citing authors

#	ARTICLE	IF	CITATIONS
1	The geological signature of a slab tear below the Aegean. <i>Tectonophysics</i> , 2015, 659, 166-182.	2.2	135
2	Driving the upper plate surface deformation by slab rollback and mantle flow. <i>Earth and Planetary Science Letters</i> , 2014, 405, 110-118.	4.4	120
3	Kinematic reconstructions and magmatic evolution illuminating crustal and mantle dynamics of the eastern Mediterranean region since the late Cretaceous. <i>Tectonophysics</i> , 2016, 675, 103-140.	2.2	110
4	3D numerical modeling of mantle flow, crustal dynamics and magma genesis associated with slab roll-back and tearing: The eastern Mediterranean case. <i>Earth and Planetary Science Letters</i> , 2016, 442, 93-107.	4.4	101
5	Neo-Tethys geodynamics and mantle convection: from extension to compression in Africa and a conceptual model for obduction. <i>Canadian Journal of Earth Sciences</i> , 2016, 53, 1190-1204.	1.3	56
6	Transient stripping of subducting slabs controls periodic forearc uplift. <i>Nature Communications</i> , 2020, 11, 1823.	12.8	49
7	Detailed tectonic reconstructions of the Western Mediterranean region for the last 35 Ma, insights on driving mechanisms. <i>Bulletin - Societie Geologique De France</i> , 2020, 191, 37.	2.2	48
8	3D subduction dynamics: A first-order parameter of the transition from copper- to gold-rich deposits in the eastern Mediterranean region. <i>Ore Geology Reviews</i> , 2018, 94, 118-135.	2.7	45
9	Synextensional Granitoids and Detachment Systems Within Cycladic Metamorphic Core Complexes (Aegean Sea, Greece): Toward a Regional Tectonomagmatic Model. <i>Tectonics</i> , 2018, 37, 2328-2362.	2.8	38
10	The North Cycladic Detachment System and associated mineralization, Mykonos, Greece: Insights on the evolution of the Aegean domain. <i>Tectonics</i> , 2013, 32, 433-452.	2.8	37
11	Interrelations between extensional shear zones and synkinematic intrusions: The example of Ikaria Island (NE Cyclades, Greece). <i>Tectonophysics</i> , 2015, 651-652, 152-171.	2.2	36
12	On the influence of the asthenospheric flow on the tectonics and topography at a collision-subduction transition zones: Comparison with the eastern Tibetan margin. <i>Journal of Geodynamics</i> , 2016, 100, 184-197.	1.6	36
13	Extensional crustal tectonics and crust-mantle coupling, a view from the geological record. <i>Earth-Science Reviews</i> , 2018, 185, 1187-1209.	9.1	36
14	Emplacement of metamorphic core complexes and associated geothermal systems controlled by slab dynamics. <i>Earth and Planetary Science Letters</i> , 2018, 498, 322-333.	4.4	36
15	The Ikaria high-temperature Metamorphic Core Complex (Cyclades, Greece): Geometry, kinematics and thermal structure. <i>Journal of Geodynamics</i> , 2015, 92, 18-41.	1.6	34
16	Slab fragmentation beneath the Aegean/Anatolia transition zone: Insights from the tectonic and metamorphic evolution of the Eastern Aegean region. <i>Tectonophysics</i> , 2019, 754, 101-129.	2.2	32
17	Stress-driven fluid flow controls long-term megathrust strength and deep accretionary dynamics. <i>Scientific Reports</i> , 2019, 9, 9714.	3.3	26
18	Preorogenic Folds and Synorogenic Basement Tilts in an Inverted Hyperextended Margin: The Northern Pyrenees Case Study. <i>Tectonics</i> , 2020, 39, e2019TC005719.	2.8	24

#	ARTICLE	IF	CITATIONS
19	Transfer zones in Mediterranean back-arc regions and tear faults. Bulletin - Societie Geologique De France, 2021, 192, 11.	2.2	24
20	Brittle deformation during Alpine basal accretion and the origin of seismicity nests above the subduction interface. Earth and Planetary Science Letters, 2018, 487, 84-93.	4.4	19
21	Strain Localization Within a Syntectonic Intrusion in a Back-Arc Extensional Context: The Naxos Monzogranite (Greece). Tectonics, 2018, 37, 558-587.	2.8	13
22	The rise and demise of deep accretionary wedges: A long-term field and numerical modeling perspective. , 2022, 18, 69-103.		9