

Philippe Agard

List of Publications by Year in descending order

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papers

2,544
citations

186265

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docs citations

52
times ranked

2272
citing authors

#	ARTICLE	IF	CITATIONS
1	Arc-magmatism and subduction history beneath the Zagros Mountains, Iran: A new report of adakites and geodynamic consequences. <i>Lithos</i> , 2008, 106, 380-398.	1.4	387
2	Tectonic significance of serpentinites. <i>Tectonophysics</i> , 2015, 646, 1-19.	2.2	174
3	Tectonometamorphic evolution of the Schistes Lustrés Complex; implications for the exhumation of HP and UHP rocks in the Western Alps. <i>Bulletin - Societie Geologique De France</i> , 2001, 172, 617-636.	2.2	137
4	Subduction, convergence and the mode of backarc extension in the Mediterranean region. <i>Bulletin - Societie Geologique De France</i> , 2008, 179, 525-550.	2.2	136
5	Plate interface rheological switches during subduction infancy: Control on slab penetration and metamorphic sole formation. <i>Earth and Planetary Science Letters</i> , 2016, 451, 208-220.	4.4	130
6	Devolatilization history and trace element mobility in deeply subducted sedimentary rocks: Evidence from Western Alps HP/UHP suites. <i>Chemical Geology</i> , 2013, 342, 1-20.	3.3	95
7	Subduction zone metamorphic pathway for deep carbon cycling: I. Evidence from HP/UHP metasedimentary rocks, Italian Alps. <i>Chemical Geology</i> , 2014, 386, 31-48.	3.3	89
8	Petrological evidence for stepwise accretion of metamorphic soles during subduction infancy (Semail) Tj ETQq0 0 0 r gBT /Overlock 10 Tt	3.4	81
9	Accretion, underplating and exhumation along a subduction interface: From subduction initiation to continental subduction (TavÅYanlÅ± zone, W. Turkey). <i>Lithos</i> , 2015, 226, 233-254.	1.4	80
10	Crustal stacking and expulsion tectonics during continental subduction: P-T deformation constraints from Oman. <i>Tectonics</i> , 2010, 29, n/a-n/a.	2.8	74
11	Subduction zone metamorphic pathway for deep carbon cycling: II. Evidence from HP/UHP metabasaltic rocks and ophicarbonates. <i>Chemical Geology</i> , 2015, 412, 132-150.	3.3	68
12	Zagros blueschists: Episodic underplating and long-lived cooling of a subduction zone. <i>Earth and Planetary Science Letters</i> , 2016, 443, 48-58.	4.4	66
13	Thermo-mechanical modeling of the obduction process based on the Oman Ophiolite case. <i>Gondwana Research</i> , 2016, 32, 1-10.	6.0	61
14	Geodynamics of the TavÅYanlÅ± zone, western Turkey: Insights into subduction/obduction processes. <i>Tectonophysics</i> , 2013, 608, 884-903.	2.2	60
15	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
16	Rifting and shallow-dipping detachments, clues from the Corinth Rift and the Aegean. <i>Tectonophysics</i> , 2010, 483, 287-304.	2.2	55
17	Evidence of Quaternary activity along the Deshir Fault: implication for the Tertiary tectonics of Central Iran. <i>Geophysical Journal International</i> , 2006, 164, 192-201.	2.4	54
18	Rheological and geodynamic controls on the mechanisms of subduction and HP/UHP exhumation of crustal rocks during continental collision: Insights from numerical models. <i>Tectonophysics</i> , 2014, 631, 212-250.	2.2	54

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19	Retrograde mineral and fluid evolution in high-pressure metapelites (Schistes lustrés unit, Western Tianshan). <i>Journal of Metamorphic Geology</i> , 2019, 37, 1028-1044.	3.1	53
20	Thermal regime of continental subduction: The record from exhumed HP/LT terranes (New Caledonia). <i>Journal of Metamorphic Geology</i> , 2019, 37, 1045-1060.	2.2	31
21	Subduction of oceanic lithosphere in the Alps: Selective and archetypal from (slow-spreading) oceans. <i>Earth-Science Reviews</i> , 2021, 214, 103517.	9.1	48
22	P-T-time-isotopic evolution of coesite-bearing eclogites: Implications for exhumation processes in SW Tianshan. <i>Lithos</i> , 2017, 278-281, 1-25.	1.4	43
23	Architecture and P-T-deformation-time evolution of the Chinese SW-Tianshan HP/UHP complex: Implications for subduction dynamics. <i>Earth-Science Reviews</i> , 2019, 197, 102894.	9.1	40
24	Massive sediment accretion at ~1480 km depth along the subduction interface: Evidence from the southern Chinese Tianshan. <i>Geology</i> , 2018, 46, 495-498.	4.4	39
25	Along-strike variations of P-T conditions in accretionary wedges and syn-orogenic extension, the HP/LT Phyllite-Quartzite Nappe in Crete and the Peloponnese. <i>Tectonophysics</i> , 2010, 480, 133-148.	2.2	38
26	Metamorphic sole formation, emplacement and blueschist facies overprint: early subduction dynamics witnessed by western Turkey ophiolites. <i>Terra Nova</i> , 2016, 28, 329-339.	2.1	37
27	Neogene to Present paleostress field in Eastern Iran (Sistan belt) and implications for regional geodynamics. <i>Tectonics</i> , 2017, 36, 321-339.	2.8	32
28	Surface topography as key constraint on thermo-rheological structure of stable cratons. <i>Tectonophysics</i> , 2013, 602, 106-123.	2.2	30
29	Scales of fluid-rock interaction and carbon mobility in the deeply underplated and HP-Metamorphosed Schistes Lustrés, Western Alps. <i>Lithos</i> , 2020, 354-355, 105229.	1.4	25
30	Deformation mechanisms in mafic amphibolites and granulites: record from the Semail metamorphic sole during subduction infancy. <i>Solid Earth</i> , 2019, 10, 1733-1755.	2.8	22
31	Transient and periodic brittle deformation of eclogites during intermediate-depth subduction. <i>Earth and Planetary Science Letters</i> , 2019, 521, 91-102.	4.4	22
32	Seismic hazard of the western Makran subduction zone: Insight from mechanical modelling and inferred frictional properties. <i>Earth and Planetary Science Letters</i> , 2021, 562, 116789.	4.4	20
33	Early subduction dynamics recorded by the metamorphic sole of the Mt. Albert ophiolitic complex (Gaspé, Quebec). <i>Lithos</i> , 2019, 334-335, 161-179.	1.4	19
34	Concordant pulse in Mn, Y and HREEs concentrations during UHP eclogitic garnet growth: Transient rock dynamics along a cold subduction plate interface. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115908.	4.4	18
35	Geology of the southern Monviso metaophiolite complex (W-Alps, Italy). <i>Journal of Maps</i> , 2019, 15, 283-297.	2.0	14
36	Late Cretaceous calc-alkaline and adakitic magmatism in the Sistan suture zone (Eastern Iran): Implications for subduction polarity and regional tectonics. <i>Journal of Asian Earth Sciences</i> , 2020, 204, 104588.	2.3	14

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37	Subducted fragments of the Liguro-Piemont ocean, Western Alps: Spatial correlations and offscraping mechanisms during subduction. <i>Tectonophysics</i> , 2022, 827, 229267.	2.2	14
38	TEM evidence for high-temperature (300°C) smectite in multistage clay-mineral pseudomorphs in pelitic rocks (Rif, Morocco). <i>European Journal of Mineralogy</i> , 1999, 11, 655-668.	1.3	13
39	Micro-tectonic constraints on the evolution of the Barles half-window (Digne nappe, southern Alps). Implications for the timing of folding in the Valensole foreland basin. <i>Bulletin - Societie Geologique De France</i> , 2008, 179, 551-568.	2.2	12
40	The North Sistan orogen (Eastern Iran): Tectono-metamorphic evolution and significance within the Tethyan realm. <i>Gondwana Research</i> , 2022, 109, 460-492.	6.0	12
41	Tectonic evolution of the Tianshan Akeyazi metamorphic complex (NW China). <i>Lithos</i> , 2020, 354-355, 105273.	1.4	10
42	Along-dip variations of subduction fluids: The 30–80 km depth traverse of the Schistes Lustrés complex (Queyras-Monviso, W. Alps). <i>Lithos</i> , 2021, 394-395, 106168.	1.4	10
43	Episodic fluid flow in an eclogite-facies shear zone: Insights from Li isotope zoning in garnet. <i>Geology</i> , 2022, 50, 746-750.	4.4	10
44	Successive shifts of the India-Africa transform plate boundary during the Late Cretaceous-Paleogene interval: Implications for ophiolite emplacement along transforms. <i>Journal of Asian Earth Sciences</i> , 2020, 191, 104225.	2.3	9
45	Strain localisation in mechanically layered rocks beneath detachment zones: insights from numerical modelling. <i>Solid Earth</i> , 2013, 4, 135-152.	2.8	8
46	Reply to: Comment by Aftabi and Atapour on « Arc magmatism and subduction history beneath the Zagros Mountains, Iran: A new report of adakites and geodynamic consequences ». <i>Lithos</i> , 2009, 113, 847-849.	1.4	7
47	Effective rheology of a two-phase subduction shear zone: Insights from numerical simple shear experiments and implications for subduction zone interfaces. <i>Earth and Planetary Science Letters</i> , 2021, 566, 116913.	4.4	7
48	Earthquake ruptures and topography of the Chilean margin controlled by plate interface deformation. <i>Solid Earth</i> , 2022, 13, 779-792.	2.8	6
49	Fossil thermal structure of the southern Sanandaj-Sirjan zone (SW Iran): Implications for regional-scale tectonics. <i>Journal of Asian Earth Sciences</i> , 2020, 200, 104488.	2.3	3