Martine D Buatier

List of Publications by Year
in descending order

58	1,351	331538 21	377752 34
papers	citations	h-index	g-index

59	59	59	1395
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Impact of ancient iron smelting wastes on current soils: Legacy contamination, environmental availability and fractionation of metals. Science of the Total Environment, 2021, 776, 145929.	3.9	12
2	Syntectonic fluid flow and deformation mechanisms within the frontal thrust of a foreland fold-and-thrust belt: Example from the Internal Jura, Eastern France. Tectonophysics, 2020, 778, 228178.	0.9	19
3	Earliest salt working in the world: From excavation to microscopy at the prehistoric sites of Å¢olici and Lunca (Romania). Journal of Archaeological Science, 2018, 89, 46-55.	1.2	13
4	40Ar/39Ar muscovite dating of thrust activity: a case study from the Axial Zone of the Pyrenees. Tectonophysics, 2018, 745, 412-429.	0.9	14
5	Textural-chemical changes and deformation conditions registered by phyllosilicates in a fault zone (Pic de Port Vieux thrust, Pyrenees). Applied Clay Science, 2017, 144, 88-103.	2.6	16
6	Fluidâ€“rock interactions related to metamorphic reducing fluid flow in meta-sediments: example of the Pic-de-Port-Vieux thrust (Pyrenees, Spain). Contributions To Mineralogy and Petrology, 2017, 172, 1.	1.2	9
7	Characterization and origin of low-T willemite (Zn2SiO4) mineralization: the case of the Bou Arhous deposit (High Atlas, Morocco). Mineralium Deposita, 2017, 52, 1085-1102.	1.7	7
8	Sedimentary fluids/fault interaction during syn-rift burial of the LodÃ¨ve Permian Basin (HÃ©rault,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Geology, 2017, 88, 303-328.	1.5	7
9	Nature and origin of natural Zn clay minerals from the Bou Arhous Zn ore deposit: Evidence from electron microscopy (SEM-TEM) and stable isotope compositions (H and O). Applied Clay Science, 2016, 132-133, 377-390.	2.6	12
10	Zinc-rich clays in supergene non-sulfide zinc deposits. Mineralium Deposita, 2016, 51, 467-490.	1.7	21
11	Evidence of multi-stage faulting by clay mineral analysis: Example in a normal fault zone affecting arkosic sandstones (Annot sandstones). Journal of Structural Geology, 2015, 75, 101-117.	1.0	10
12	Temperature micro-mapping in oscillatory-zoned chlorite: Application to study of a green-schist facies fault zone in the Pyrenean Axial Zone (Spain). American Mineralogist, 2015, 100, 2468-2483.	0.9	26
13	Difference in petrophysical properties between foliated and dilatant fault rocks in deeply buried clastics: The case of the GrÃ¨s d'Annot Formation, <scp>SW</scp> French Alps. Terra Nova, 2014, 26, 298-306.	0.9	5
14	Syntectonic fluid-flow along thrust faults: Example of the South-Pyrenean fold-and-thrust belt. Marine and Petroleum Geology, 2014, 49, 84-98.	1.5	50
15	Quantification of mass transfers and mineralogical transformations in a thrust fault (Monte Perdido) Tj ETQq1 1 0.784314 rgBT /Over	1.5	17
16	Influence of fault rock foliation on fault zone permeability: The case of deeply buried arkosic sandstones (GrÃ¨s d'Annot, southeastern France). AAPG Bulletin, 2013, 97, 1521-1543.	0.7	23
17	Weakening processes in thrust faults: insights from the <scp>M</scp>onte <scp>P</scp>erdido thrust fault (southern <scp>P</scp>yrenees, <scp>S</scp>pain). Geofluids, 2013, 13, 56-65.	0.3	11
18	Phyllosilicates formation in faults rocks: Implications for dormant faultâ€sealing potential and fault strength in the upper crust. Geophysical Research Letters, 2013, 40, 4272-4278.	1.5	14

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19	Microtextural investigation (SEM and TEM study) of phyllosilicates in a major thrust fault zone (Monte Perdido, southern Pyrenees): impact on fault reactivation. Swiss Journal of Geosciences, 2012, 105, 313-324.	0.5	13
20	Formation of phyllosilicates in a fault zone affecting deeply buried arkosic sandstones: their influence on petrophysic properties (Annot sandstones, French external Alps). Swiss Journal of Geosciences, 2012, 105, 299-312.	0.5	17
21	Ndâ€“Sr isotope and REY geochemistry of metalliferous sediments in a low-temperature off-axis hydrothermal environment (Costa Rica margin). Marine Geology, 2012, 315-318, 132-142.	0.9	5
22	Formation of chlorite during thrust fault reactivation. Record of fluid origin and Pâ€“T conditions in the Monte Perdido thrust fault (southern Pyrenees). Contributions To Mineralogy and Petrology, 2012, 163, 1083-1102.	1.2	33
23	Origin and behavior of clay minerals in the Bogd fault gouge, Mongolia. Journal of Structural Geology, 2012, 34, 77-90.	1.0	40
24	Conditions and mechanism for the formation of iron-rich Montmorillonite in deep sea sediments (Costa Rica margin): Coupling high resolution mineralogical characterization and geochemical modeling. Geochimica Et Cosmochimica Acta, 2011, 75, 1397-1410.	1.6	28
25	Microtectonic and geochemical characterization of thrusting in a foreland basin: Example of the South-Pyrenean orogenic wedge (Spain). Journal of Structural Geology, 2011, 33, 1359-1377.	1.0	54
26	87Sr/86Sr and 18O/16O ratios of clays from a hydrothermal area near the Galapagos rift as records of origin, crystallization temperature and fluid composition. Marine Geology, 2011, 288, 32-42.	0.9	9
27	Characterization of metalliferous sediment from a low-temperature hydrothermal environment on the Eastern Flank of the East Pacific Rise. Marine Geology, 2008, 250, 128-141.	0.9	38
28	Formation of todorokite from vernadite in Ni-rich hemipelagic sediments. Geochimica Et Cosmochimica Acta, 2007, 71, 5698-5716.	1.6	145
29	Effect of Pb-rich and Fe-rich entities during alteration of a partially vitrified metallurgical waste. Journal of Hazardous Materials, 2007, 149, 418-431.	6.5	30
30	CLAY RESOURCES AND TECHNICAL CHOICES FOR NEOLITHIC POTTERY (CHALAIN, JURA, FRANCE): CHEMICAL, MINERALOGICAL AND GRAIN-SIZE ANALYSES*. Archaeometry, 2007, 49, 23-52.	0.6	19
31	Characterization and origin of Fe³⁺-montmorillonite in deep-water calcareous sediments (Pacific Ocean, Costa Rica margin). Clays and Clay Minerals, 2005, 53, 452-465.	0.6	37
32	Mineralogical characterization and genesis of hydrothermal Mn oxides from the flank of the Juan the Fuca Ridge. American Mineralogist, 2004, 89, 1807-1815.	0.9	24
33	Li and Li isotopic composition of hydrothermally altered sediments at Middle Valley, Juan De Fuca. Chemical Geology, 2004, 211, 363-373.	1.4	14
34	Land use change, soil erosion and alluvial dynamic in the lower Doubs Valley over the 1st millenium AD (Neublans, Jura, France). Journal of Archaeological Science, 2003, 30, 1283-1299.	1.2	42
35	Clays and zeolite authigenesis in sediments from the flank of the Juan de Fuca Ridge. Clay Minerals, 2002, 37, 143-155.	0.2	12
36	TEM-EDX investigation on Zn- and Pb-contaminated soils. Applied Geochemistry, 2001, 16, 1165-1177.	1.4	35

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37	Fluidâ€“sediment interactions related to hydrothermal circulation in the Eastern Flank of the Juan de Fuca Ridge. Chemical Geology, 2001, 175, 343-360.	1.4	25
38	Nacrite in the LodÃ¨ve Permian Basin: a TEM and fluid-inclusion study. European Journal of Mineralogy, 2000, 12, 329-340.	0.4	9
39	Clay Diagenesis in the Sandstone Reservoir of the Ellon Field (Alwyn, North Sea). Clays and Clay Minerals, 1999, 47, 269-285.	0.6	32
40	Circulation hydrothermale dans le flanc est de la ride de Juan de Fuca. RÃ©sultats du Leg ODP 168. Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 1998, 326, 201-206.	0.2	0
41	Fluid migration during Eocene thrust emplacement in the south Pyrenean foreland basin (Spain): an integrated structural, mineralogical and geochemical approach. Geological Society Special Publication, 1998, 134, 163-188.	0.8	14
42	Dickite related to fluid-sediment interaction and deformation in Pyrenean thrust-fault zones. European Journal of Mineralogy, 1997, 9, 875-888.	0.4	22
43	Occurrence of nacrite in the LodÃ¨ve Permian basin (France). European Journal of Mineralogy, 1996, 8, 847-852.	0.4	17
44	Mechanisms of Mg-phyllosilicate formation in a hydrothermal system at a sedimented ridge (Middle) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.2	51
45	Iron in Hydrothermal Clays from the Galapagos Spreading Centre Mounds: Consequences for the Clay Transition Mechanism. Clay Minerals, 1993, 28, 641-655.	0.2	22
46	Smectite-Illite Transition in Barbados Accretionary Wedge Sediments: TEM and AEM Evidence for Dissolution/Crystallization at Low Temperature. Clays and Clay Minerals, 1992, 40, 65-80.	0.6	68
47	Deformation and recrystallization mechanisms in naturally deformed omphacites from the Sesia-Lanzo zone; geophysical consequences. Tectonophysics, 1991, 195, 11-27.	0.9	76
48	The problem of differentiation of glauconite and celadonite. Chemical Geology, 1990, 84, 264-266.	1.4	11
49	Fe-Smectite-Glauconite Transition in Hydrothermal Green Clays from the Galapagos Spreading Center. Clays and Clay Minerals, 1989, 37, 532-541.	0.6	46
50	Site U1546. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	11
51	Site U1551. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	3
52	Site U1550. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	6
53	Expedition 385 methods. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	14
54	Site U1545. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	13

#	Article	IF	Citations
55	Site U1552. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	4
56	Site U1549. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	7
57	Sites U1547 and U1548. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	9
58	Expedition 385 summary. Proceedings of the International Ocean Discovery Program, 0, , .	0.0	10