

Guillaume Martelet

List of Publications by Year in descending order

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papers

673
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471509

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42
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714
citing authors

#	ARTICLE	IF	CITATIONS
1	Emplacement in an extensional setting of the Mont Lozère Borne granitic complex (SE France) inferred from comprehensive AMS, structural and gravity studies. <i>Journal of Structural Geology</i> , 2004, 26, 11-28.	2.3	43
2	Pull-apart emplacement of the Margeride granitic complex (French Massif Central). Implications for the late evolution of the Variscan orogen. <i>Journal of Structural Geology</i> , 2005, 27, 1610-1629.	2.3	43
3	An early extensional event of the South China Block during the Late Mesozoic recorded by the emplacement of the Late Jurassic syntectonic Hengshan Composite Granitic Massif (Hunan, SE China). <i>Tectonophysics</i> , 2016, 672-673, 50-67.	2.2	37
4	Tectonic and sedimentary inheritance on the structural framework of Provence (SE France): Importance of the Salon-Cavaillon fault. <i>Tectonophysics</i> , 2011, 501, 1-16.	2.2	36
5	Mesozoic Crustal Thickening of the Longmenshan Belt (NE Tibet, China) by Imbrication of Basement Slices: Insights From Structural Analysis, Petrofabric and Magnetic Fabric Studies, and Gravity Modeling. <i>Tectonics</i> , 2017, 36, 3110-3134.	2.8	36
6	Structure of late Variscan Millevaches leucogranite massif in the French Massif Central: AMS and gravity modelling results. <i>Journal of Structural Geology</i> , 2006, 28, 148-169.	2.3	34
7	A multidisciplinary study of a syntectonic pluton close to a major lithospheric scale fault Relationships between the Montmarault granitic massif and the Sillon Houiller Fault in the Variscan French Massif Central: 2. Gravity, aeromagnetic investigations, and 3D geologic modeling. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	34
8	3-D modelling of Alpine Mohos in Southwestern Alps. <i>Geophysical Journal International</i> , 2010, 180, 961-975.	2.4	33
9	Gravity inversion, AMS and geochronological investigations of syntectonic granitic plutons in the southern part of the Variscan French Massif Central. <i>Journal of Structural Geology</i> , 2009, 31, 421-443.	2.3	28
10	Tectonic evolution of the Cevennes para-autochthonous domain of the Hercynian French Massif Central and its bearing on ore deposits formation. <i>Bulletin - Societe Geologique De France</i> , 2001, 172, 687-696.	2.2	25
11	Hydrogeological conceptual model of andesitic watersheds revealed by high-resolution airborne geophysics. <i>Hydrology and Earth System Sciences</i> , 2019, 23, 2321-2338.	4.9	24
12	Digital mapping of the soil thickness of loess deposits over a calcareous bedrock in central France. <i>Catena</i> , 2021, 198, 105062.	5.0	24
13	A multidisciplinary study of the emplacement mechanism of the Qingyang Jiu Hua massif in Southeast China and its tectonic bearings. Part II: Amphibole geobarometry and gravity modeling. <i>Journal of Asian Earth Sciences</i> , 2014, 86, 94-105.	2.3	21
14	Antimony deposits in the Variscan Armorican belt, a link with mafic intrusives?. <i>Terra Nova</i> , 2016, 28, 138-145.	2.1	20
15	Crustal structure of Guadeloupe islands and the Lesser Antilles arc from a new gravity and magnetic synthesis. <i>Bulletin - Societe Geologique De France</i> , 2013, 184, 77-97.	2.2	19
16	A High-Speed, Light-Weight Scalar Magnetometer Bird for km Scale UAV Magnetic Surveying: On Sensor Choice, Bird Design, and Quality of Output Data. <i>Remote Sensing</i> , 2021, 13, 649.	4.0	18
17	Incremental Emplacement of the Late Jurassic Midcrustal, Lopolith Like Qitianling Pluton, South China, Revealed by AMS and Bouguer Gravity Data. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 9249-9268.	3.4	17
18	Homogenisation et validation des corrections de terrain gravimétriques jusqu'à la distance de 167 km sur l'ensemble de la France. <i>Comptes Rendus - Geoscience</i> , 2002, 334, 449-454.	1.2	16

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19	A multidisciplinary study of a syntectonic pluton close to a major lithospheric scale fault—Relationships between the Montmarault granitic massif and the Sillon Houiller Fault in the Variscan French Massif Central: 1. Geochronology, mineral fabrics, and tectonic implications. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	14
20	Regional Regolith Parameter Prediction Using the Proxy of Airborne Gamma Ray Spectrometry. <i>Vadose Zone Journal</i> , 2013, 12, 1-14.	2.2	14
21	Late Hercynian leucogranites modelling as deduced from new gravity data : the example of the Millevaches massif (Massif Central, France). <i>Bulletin - Societe Geologique De France</i> , 2004, 175, 239-248.	2.2	13
22	Could airborne gamma-spectrometric data replace lithological maps as co-variables for digital soil mapping of topsoil particle-size distribution? A case study in Western France. <i>Geoderma Regional</i> , 2020, 22, e00295.	2.1	13
23	Are there any effects of the agricultural use of chemical fertiliser on elements detected by airborne gamma-spectrometric surveys?. <i>Geoderma</i> , 2012, 173-174, 34-41.	5.1	12
24	Processing methodology for regional AEM surveys and local implications. <i>Exploration Geophysics</i> , 2020, 51, 143-154.	1.1	12
25	The Catalan magnetic anomaly: Its significance for the crustal structure of the Gulf of Lion passive margin and relationship to the Catalan transfer zone. <i>Marine and Petroleum Geology</i> , 2020, 113, 104174.	3.3	12
26	Airborne/UAV Multisensor Surveys Enhance the Geological Mapping and 3D Model of a Pseudo-Skarn Deposit in Ploumanac’h, French Brittany. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1259.	2.0	12
27	Contribution of multi-method geophysics to the understanding of a high-temperature geothermal province: The Bouillante area (Guadeloupe, Lesser Antilles). <i>Journal of Volcanology and Geothermal Research</i> , 2014, 275, 34-50.	2.1	11
28	Mapping of a buried basement combining aeromagnetic, gravity and petrophysical data: The substratum of southwest Paris Basin, France. <i>Tectonophysics</i> , 2016, 683, 333-348.	2.2	11
29	Deep reflection seismic imaging of the internal zone of the South Armorican Hercynian belt (western Tj ETQq1 1 0,784314 rgBT /Ovelc	1.2	10
30	Role of inherited structure on granite emplacement: An example from the Late Jurassic Shibeï pluton in the Wuyishan area (South China) and its tectonic implications. <i>Tectonophysics</i> , 2020, 779, 228394.	2.2	6
31	Forearc structure in the Lesser Antilles inferred from depth to the Curie temperature and thermo-mechanical simulations. <i>Tectonophysics</i> , 2017, 706-707, 71-90.	2.2	5
32	Hand-feel soil texture observations to evaluate the accuracy of digital soil maps for local prediction of soil particle size distribution: A case study in Central France. <i>Pedosphere</i> , 2023, 33, 731-743.	4.0	5
33	Interprétation d’un levé de spectrométrie gamma pour la connaissance des dépôts silico-clastiques fluviaux en centre France (Loire et Sologne). <i>Quaternaire</i> , 2017, , 87-103.	0.2	4
34	Integrated multidisciplinary approach to constrain range fronts structure, a case study of the northern Tianshan piedmont (NW China). <i>Bulletin - Societe Geologique De France</i> , 2014, 185, 379-392.	2.2	2
35	Intrusion-Related Gold Deposits: New insights from gravity and hydrothermal integrated 3D modeling applied to the Tighza gold mineralization (Central Morocco). <i>Journal of African Earth Sciences</i> , 2018, 140, 199-211.	2.0	2
36	Soil texture GlobalSoilMap products for the French region «Centre», 2014, , 121-126.		2

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37	New Magnetic compilation and interpretation of the Bay of Biscay and surrounding continental shelves. Bulletin - Societe Geologique De France, 2021, 192, 58.	2.2	2