Fabrice Monna

List of Publications by Year
in descending order

78	3,218	159585 30	149698 56
papers	citations	h-index	g-index

80	80	80	3744
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Volumetric Obscurance as a New Tool to Better Visualize Relief from Digital Elevation Models. Remote Sensing, 2022, 14, 941.	4.0	2
2	Discrimination of wheel-thrown pottery surface treatment by Deep Learning. Archaeological and Anthropological Sciences, 2022, 14, 1.	1.8	1
3	Machine learning and geometric morphometrics to predict obstructive sleep apnea from 3D craniofacial scans. Sleep Medicine, 2022, 95, 76-83.	1.6	10
4	Documenting carved stones from 3D models. Part II â€" Ambient occlusion to reveal carved parts. Journal of Cultural Heritage, 2021, 49, 28-37.	3.3	1
5	A computer tool to identify best matches for pottery fragments. Journal of Archaeological Science: Reports, 2021, 37, 102891.	0.5	7
6	Deep learning to detect built cultural heritage from satellite imagery. -ÂSpatial distribution and size of vernacular houses in Sumba, IndonesiaÂ-. Journal of Cultural Heritage, 2021, 52, 171-183.	3.3	17
7	Compositional data analysis (CoDA) as a tool to evaluate a new low-cost settling-based PM₁₀ sampling head in a desert dust source region. Atmospheric Measurement Techniques, 2021, 14, 7657-7680.	3.1	2
8	Anza palaeoichnological site, Late Cretaceous, Morocco. Part III: Comparison between traditional and photogrammetric records. Journal of African Earth Sciences, 2020, 172, 103985.	2.0	3
9	Images of camels on a mammoth tusk from West Siberia. Archaeological Research in Asia, 2020, 22, 100180.	0.7	1
10	Machine learning for rapid mapping of archaeological structures made of dry stones â€" Example of burial monuments from the Khirgisuur culture, Mongolia â€". Journal of Cultural Heritage, 2020, 43, 118-128.	3.3	19
11	Zn/Pb Concentration Ratios Emphasize Spatiotemporal Airborne Metal Dynamics in Soils Under Different Land Use. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	1
12	A Laboratory Dust Generator Applying Vibration to Soil Sample: Mineralogical Study and Compositional Analyses. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032224.	3.3	3
13	Contextualization of Archaeological Information Using Augmented Photospheres, Viewed with Head-Mounted Displays. Sustainability, 2019, 11, 3894.	3.2	2
14	Tracking past mining activity using trace metals, lead isotopes and compositional data analysis of a sediment core from Longemer Lake, Vosges Mountains, France. Journal of Paleolimnology, 2018, 60, 399-412.	1.6	12
15	Trace metals from historical mining sites and past metallurgical activity remain bioavailable to wildlife today. Scientific Reports, 2018, 8, 3436.	3.3	44
16	Lead isotopic fingerprint in human scalp hair: The case study of Iglesias mining district (Sardinia,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1	8.0	14
17	Computer-Assisted Orientation and Drawing of Archaeological Pottery. Journal on Computing and Cultural Heritage, 2018, 11, 1-17.	2.1	17
18	Mobility of Ni, Co, and Mn in ultramafic mining soils of New Caledonia, assessed by kinetic EDTA extractions. Environmental Monitoring and Assessment, 2018, 190, 638.	2.7	19

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19	New constraints on elemental and Pb and Nd isotope compositions of South American and Southern African aerosol sources to the South Atlantic Ocean. Chemie Der Erde, 2018, 78, 372-384.	2.0	14
20	Centennial Fertilization-Induced Soil Processes Control Trace Metal Dynamics. Lessons from a Long-Term Bare Fallow Experiment. Soil Systems, 2018, 2, 23.	2.6	11
21	Documenting carved stones by 3D modelling â€“ÂExample of Mongolian deer stones. Journal of Cultural Heritage, 2018, 34, 116-128.	3.3	20
22	Tracking atmospheric dispersion of metals in Rio de Janeiro Metropolitan region (Brazil) with epiphytes as bioindicators. Anais Da Academia Brasileira De Ciencias, 2018, 90, 2991-3005.	0.8	4
23	Perturbation vectors to evaluate air quality using lichens and bromeliads: a Brazilian case study. Environmental Monitoring and Assessment, 2017, 189, 566.	2.7	9
24	Quantifying Cereal-Reaping Microwear On Flint Tools: An Experimental Approach. Archaeometry, 2016, 58, 1038-1046.	1.3	7
25	Impact of nickel mining in New Caledonia assessed by compositional data analysis of lichens. SpringerPlus, 2016, 5, 2022.	1.2	13
26	Alternative dry separation of PM10 from soils for characterization by kinetic extraction: example of new Caledonian mining soils. Environmental Science and Pollution Research, 2016, 23, 25105-25113.	5.3	2
27	Evolution of neodymium isotopic signature of seawater during the Late Cretaceous: Implications for intermediate and deep circulation. Gondwana Research, 2016, 36, 503-522.	6.0	28
28	Inverse modeling of past lead atmospheric deposition in South Greenland. Atmospheric Environment, 2015, 105, 121-129.	4.1	2
29	Unsupervised model-based clustering for typological classification of Middle Bronze Age flanged axes. Journal of Archaeological Science: Reports, 2015, 3, 381-391.	0.5	8
30	Characterisation and distribution of deposited trace elements transported over long and intermediate distances in north-eastern France using Sphagnum peatlands as a sentinel ecosystem. Atmospheric Environment, 2015, 101, 286-293.	4.1	30
31	In situ Laser Induced Breakdown Spectroscopy as a tool to discriminate volcanic rocks and magmatic series, Iceland. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 103-104, 63-69.	2.9	20
32	Impact of trace metals from past mining on the aquatic ecosystem: A multi-proxy approach in the Morvan (France). Environmental Research, 2014, 134, 410-419.	7.5	15
33	Metals and metalloids in hair samples of children living near the abandoned mine sites of Sulcis-Inglesiente (Sardinia, Italy). Environmental Research, 2014, 134, 366-374.	7.5	55
34	Tracking archaeological and historical mines using mineral prospectivity mapping. Journal of Archaeological Science, 2014, 49, 57-69.	2.4	7
35	Impact of historical mining assessed in soils by kinetic extraction and lead isotopic ratios. Science of the Total Environment, 2014, 472, 425-436.	8.0	13
36	Morphometrics of Second Iron Age ceramics â€“ strengths, weaknesses, and comparison with traditional typology. Journal of Archaeological Science, 2014, 50, 39-50.	2.4	28

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37	Impact of sedimentology and diagenesis on the petrophysical properties of a tight oolitic carbonate reservoir. The case of the Oolithe Blanche Formation (Bathonian, Paris Basin, France). Marine and Petroleum Geology, 2013, 48, 323-340.	3.3	38
38	Morphometry of Middle Bronze Age palstaves. Part II â€“ spatial distribution of shapes in two typological groups, implications for production and exportation. Journal of Archaeological Science, 2013, 40, 507-516.	2.4	7
39	SLRSâ€5 Elemental Concentrations of Thirtyâ€Three Uncertified Elements Deduced from SLRSâ€5/SLRSâ€4 Ratios. Geostandards and Geoanalytical Research, 2013, 37, 77-85.	3.1	39
40	Reply on Comment by Longinelli (2013) on a revised phosphateâ€“water fractionation equation. Earth and Planetary Science Letters, 2013, 377-378, 380-382.	4.4	5
41	7000 years of vegetation history and land-use changes in the Morvan Mountains (France): A regional synthesis. Holocene, 2013, 23, 1888-1902.	1.7	24
42	The first ⁴⁰Arâ€“³⁹Ar date from Oxfordian ammonite-calibrated volcanic layers (bentonites) as a tie-point for the Late Jurassic. Geological Magazine, 2013, 150, 1136-1142.	1.5	18
43	A 2500 year record of natural and anthropogenic soil erosion in South Greenland. Quaternary Science Reviews, 2012, 32, 119-130.	3.0	76
44	An orbital floating time scale of the Hauterivian/Barremian GSSP from a magnetic susceptibility signal (RÃo Argos, Spain). Cretaceous Research, 2012, 36, 106-115.	1.4	24
45	Testing a portable laser-induced breakdown spectroscopy system on geological samples. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2012, 74-75, 57-65.	2.9	55
46	High-resolution clay mineralogy as a proxy for orbital tuning: Example of the Hauterivianâ€“Barremian transition in the Betic Cordillera (SE Spain). Sedimentary Geology, 2012, 282, 336-346.	2.1	44
47	Lichens Used as Monitors of Atmospheric Pollution Around Agadir (Southwestern Morocco)â€”A Case Study Predating Lead-Free Gasoline. Water, Air, and Soil Pollution, 2012, 223, 1263-1274.	2.4	17
48	Wild Brown Trout Affected by Historical Mining in the CÃ©vennes National Park, France. Environmental Science & Technology, 2011, 45, 6823-6830.	10.0	42
49	Climatic ups and downs in a disturbed Jurassic world. Geology, 2011, 39, 215-218.	4.4	309
50	Historical mining and smelting in the Vosges Mountains (France) recorded in two ombrotrophic peat bogs. Journal of Geochemical Exploration, 2010, 107, 9-20.	3.2	37
51	Revised phosphateâ€“water fractionation equation reassessing paleotemperatures derived from biogenic apatite. Earth and Planetary Science Letters, 2010, 298, 135-142.	4.4	183
52	Modeling of 137Cs migration in soils using an 80-year soil archive: role of fertilizers and agricultural amendments. Journal of Environmental Radioactivity, 2009, 100, 9-16.	1.7	19
53	Morphometry of Middle Bronze Age palstaves by Discrete Cosine Transform. Journal of Archaeological Science, 2009, 36, 721-729.	2.4	12
54	Geochemical records of limestone faÃ§ades exposed to urban atmospheric contamination as monitoring tools?. Atmospheric Environment, 2008, 42, 999-1011.	4.1	21

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55	Kinetic extractions to assess mobilization of Zn, Pb, Cu, and Cd in a metal-contaminated soil: EDTA vs. citrate. Environmental Pollution, 2008, 152, 693-701.	7.5	129
56	Anthropogenic lead distribution in soils under arable land and permanent grassland estimated by Pb isotopic compositions. Environmental Pollution, 2008, 156, 1083-1091.	7.5	33
57	Landuse and soil degradation in the southern Maya lowlands, from Pre-Classic to Post-Classic times: The case of La Joyanca (PetÃ©n, Guatemala). Geodinamica Acta, 2007, 20, 195-207.	2.2	18
58	Environmental impact of early palaeometallurgy: pollen and geochemical analysis. Vegetation History and Archaeobotany, 2007, 16, 251-258.	2.1	48
59	Origin of atmospheric lead in Johannesburg, South Africa. Atmospheric Environment, 2006, 40, 6554-6566.	4.1	48
60	Apparent discrepancy in contamination history of a sub-tropical estuary evaluated through 210Pb profile and chronostratigraphical markers. Marine Pollution Bulletin, 2006, 52, 532-539.	5.0	36
61	The impact of a sewage treatment plant's effluent on sediment quality in a small bay in Lake Geneva (Switzerland-France). Part 2: Temporal evolution of heavy metals. Lakes and Reservoirs: Research and Management, 2004, 9, 53-63.	0.9	38
62	Environmental impact of early Basque mining and smelting recorded in a high ash minerogenic peat deposit. Science of the Total Environment, 2004, 327, 197-214.	8.0	114
63	History and Environmental Impact of Mining Activity in Celtic Aeduan Territory Recorded in a Peat Bog (Morvan, France). Environmental Science & Technology, 2004, 38, 665-673.	10.0	105
64	Modeling Lead Input and Output in Soils Using Lead Isotopic Geochemistry. Environmental Science & Technology, 2004, 38, 1513-1521.	10.0	70
65	Inorganic geochemistry of roadway dust from the metropolitan area of Palermo, Italy. Environmental Geology, 2003, 44, 222-230.	1.2	109
66	Mapping Sediment Accumulation Rate by using Volume magnetic Susceptibility Core Correlation in a contaminated Bay (Lake Geneva, Switzerland). , 2003, , 73-79.		3
67	Factors controlling and atmospheric deposition as revealed by sampling individual rain events in the region of Geneva, Switzerland. Journal of Environmental Radioactivity, 2001, 53, 241-256.	1.7	122
68	Recognition of environmental trace metal contamination using pine needles as bioindicators. The urban area of Palermo (Italy). Environmental Geology, 2000, 39, 914-924.	1.2	30
69	Pb isotopes as a reliable marker of early mining and smelting in the Northern Harz province (Lower) Tj ETQq1 1 0.784314 rgBT /Overlo	3.2	105
70	Influence of anthropogenic activity on the lead isotope signature of Thau Lake sediments (southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.0	46
71	Noise identification and sampling frequency determination for precise Pb isotopic measurements by quadrupole-based Inductively Coupled Plasma Mass Spectrometry. Analusis - European Journal of Analytical Chemistry, 2000, 28, 750-757.	0.4	22
72	The effect of freshwater UV-irradiation prior to resin preconcentration of trace metals. Analytica Chimica Acta, 1999, 386, 155-159.	5.4	48

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73	Origin and Evolution of Pb in Sediments of Lake Geneva (Switzerlandâ^'France). Establishing a Stable Pb Record. Environmental Science & Technology, 1999, 33, 2850-2857.	10.0	65
74	Pb Isotope Composition in Lichens and Aerosols from Eastern Sicily:Â Insights into the Regional Impact of Volcanoes on the Environment. Environmental Science & Technology, 1999, 33, 2517-2523.	10.0	81
75	Pb and Sr isotope measurements by inductively coupled plasmaâ€“mass spectrometer: efficient time management for precision improvement. Spectrochimica Acta, Part B: Atomic Spectroscopy, 1998, 53, 1317-1333.	2.9	56
76	Pb Isotopic Composition of Airborne Particulate Material from France and the Southern United Kingdom:Â Implications for Pb Pollution Sources in Urban Areas. Environmental Science & Technology, 1997, 31, 2277-2286.	10.0	365
77	A comparison of PERALSÂ® to alpha spectrometry and beta counting: a measure of the sedimentation rate in a coastal basin. Analytica Chimica Acta, 1996, 330, 107-115.	5.4	9
78	Pb isotopes and Pb, Zn and Cd concentrations in the rivers feeding a coastal pond (Thau, southern) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 166, 19-34.	8.0	82