

# Fabrice Monna

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1327094/publications.pdf>

Version: 2024-02-01

78  
papers

3,218  
citations

159585

30  
h-index

149698

56  
g-index

80  
all docs

80  
docs citations

80  
times ranked

3744  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pb Isotopic Composition of Airborne Particulate Material from France and the Southern United Kingdom: Implications for Pb Pollution Sources in Urban Areas. <i>Environmental Science &amp; Technology</i> , 1997, 31, 2277-2286.	10.0	365
2	Climatic ups and downs in a disturbed Jurassic world. <i>Geology</i> , 2011, 39, 215-218.	4.4	309
3	Revised phosphate-water fractionation equation reassessing paleotemperatures derived from biogenic apatite. <i>Earth and Planetary Science Letters</i> , 2010, 298, 135-142.	4.4	183
4	Kinetic extractions to assess mobilization of Zn, Pb, Cu, and Cd in a metal-contaminated soil: EDTA vs. citrate. <i>Environmental Pollution</i> , 2008, 152, 693-701.	7.5	129
5	Factors controlling and atmospheric deposition as revealed by sampling individual rain events in the region of Geneva, Switzerland. <i>Journal of Environmental Radioactivity</i> , 2001, 53, 241-256.	1.7	122
6	Environmental impact of early Basque mining and smelting recorded in a high ash minerogenic peat deposit. <i>Science of the Total Environment</i> , 2004, 327, 197-214.	8.0	114
7	Inorganic geochemistry of roadway dust from the metropolitan area of Palermo, Italy. <i>Environmental Geology</i> , 2003, 44, 222-230.	1.2	109
8	Pb isotopes as a reliable marker of early mining and smelting in the Northern Harz province (Lower Tertiary). <i>Journal of Environmental Radioactivity</i> , 2000, 52, 107-114.	8.2	105
9	History and Environmental Impact of Mining Activity in Celtic Aeduan Territory Recorded in a Peat Bog (Morvan, France). <i>Environmental Science &amp; Technology</i> , 2004, 38, 665-673.	10.0	105
10	Pb isotopes and Pb, Zn and Cd concentrations in the rivers feeding a coastal pond (Thau, southern France). <i>Environmental Science &amp; Technology</i> , 2004, 38, 19-34.	8.0	82
11	Pb Isotope Composition in Lichens and Aerosols from Eastern Sicily: Insights into the Regional Impact of Volcanoes on the Environment. <i>Environmental Science &amp; Technology</i> , 1999, 33, 2517-2523.	10.0	81
12	A 2500 year record of natural and anthropogenic soil erosion in South Greenland. <i>Quaternary Science Reviews</i> , 2012, 32, 119-130.	3.0	76
13	Modeling Lead Input and Output in Soils Using Lead Isotopic Geochemistry. <i>Environmental Science &amp; Technology</i> , 2004, 38, 1513-1521.	10.0	70
14	Origin and Evolution of Pb in Sediments of Lake Geneva (Switzerland-France). Establishing a Stable Pb Record. <i>Environmental Science &amp; Technology</i> , 1999, 33, 2850-2857.	10.0	65
15	Pb and Sr isotope measurements by inductively coupled plasma-mass spectrometer: efficient time management for precision improvement. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 1998, 53, 1317-1333.	2.9	56
16	Testing a portable laser-induced breakdown spectroscopy system on geological samples. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 74-75, 57-65.	2.9	55
17	Metals and metalloids in hair samples of children living near the abandoned mine sites of Sulcis-Inglesiente (Sardinia, Italy). <i>Environmental Research</i> , 2014, 134, 366-374.	7.5	55
18	The effect of freshwater UV-irradiation prior to resin preconcentration of trace metals. <i>Analytica Chimica Acta</i> , 1999, 386, 155-159.	5.4	48

#	ARTICLE	IF	CITATIONS
19	Origin of atmospheric lead in Johannesburg, South Africa. <i>Atmospheric Environment</i> , 2006, 40, 6554-6566.	4.1	48
20	Environmental impact of early palaeometallurgy: pollen and geochemical analysis. <i>Vegetation History and Archaeobotany</i> , 2007, 16, 251-258.	2.1	48
21	Influence of anthropogenic activity on the lead isotope signature of Thau Lake sediments (southern) Tj ETQq1 1 0.784314 rgBT /Over 3.0 46	3.0	46
22	High-resolution clay mineralogy as a proxy for orbital tuning: Example of the Hauterivian-Barremian transition in the Betic Cordillera (SE Spain). <i>Sedimentary Geology</i> , 2012, 282, 336-346.	2.1	44
23	Trace metals from historical mining sites and past metallurgical activity remain bioavailable to wildlife today. <i>Scientific Reports</i> , 2018, 8, 3436.	3.3	44
24	Wild Brown Trout Affected by Historical Mining in the CÃ©vennes National Park, France. <i>Environmental Science &amp; Technology</i> , 2011, 45, 6823-6830.	10.0	42
25	SLRS-5 Elemental Concentrations of Thirty-three Uncertified Elements Deduced from SLRS-5/SLRS-4 Ratios. <i>Geostandards and Geoanalytical Research</i> , 2013, 37, 77-85.	3.1	39
26	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. <i>Lakes and Reservoirs: Research and Management</i> , 2004, 9, 53-63.	0.9	38
27	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). <i>Marine and Petroleum Geology</i> , 2013, 48, 323-340.	3.3	38
28	Historical mining and smelting in the Vosges Mountains (France) recorded in two ombrotrophic peat bogs. <i>Journal of Geochemical Exploration</i> , 2010, 107, 9-20.	3.2	37
29	Apparent discrepancy in contamination history of a sub-tropical estuary evaluated through 210Pb profile and chronostratigraphical markers. <i>Marine Pollution Bulletin</i> , 2006, 52, 532-539.	5.0	36
30	Anthropogenic lead distribution in soils under arable land and permanent grassland estimated by Pb isotopic compositions. <i>Environmental Pollution</i> , 2008, 156, 1083-1091.	7.5	33
31	Recognition of environmental trace metal contamination using pine needles as bioindicators. The urban area of Palermo (Italy). <i>Environmental Geology</i> , 2000, 39, 914-924.	1.2	30
32	Characterisation and distribution of deposited trace elements transported over long and intermediate distances in north-eastern France using Sphagnum peatlands as a sentinel ecosystem. <i>Atmospheric Environment</i> , 2015, 101, 286-293.	4.1	30
33	Morphometrics of Second Iron Age ceramics - strengths, weaknesses, and comparison with traditional typology. <i>Journal of Archaeological Science</i> , 2014, 50, 39-50.	2.4	28
34	Evolution of neodymium isotopic signature of seawater during the Late Cretaceous: Implications for intermediate and deep circulation. <i>Gondwana Research</i> , 2016, 36, 503-522.	6.0	28
35	An orbital floating time scale of the Hauterivian/Barremian GSSP from a magnetic susceptibility signal (RÃ© Argos, Spain). <i>Cretaceous Research</i> , 2012, 36, 106-115.	1.4	24
36	7000 years of vegetation history and land-use changes in the Morvan Mountains (France): A regional synthesis. <i>Holocene</i> , 2013, 23, 1888-1902.	1.7	24

#	ARTICLE	IF	CITATIONS
37	Noise identification and sampling frequency determination for precise Pb isotopic measurements by quadrupole-based Inductively Coupled Plasma Mass Spectrometry. <i>Analisis - European Journal of Analytical Chemistry</i> , 2000, 28, 750-757.	0.4	22
38	Geochemical records of limestone facies exposed to urban atmospheric contamination as monitoring tools?. <i>Atmospheric Environment</i> , 2008, 42, 999-1011.	4.1	21
39	In situ Laser Induced Breakdown Spectroscopy as a tool to discriminate volcanic rocks and magmatic series, Iceland. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2015, 103-104, 63-69.	2.9	20
40	Documenting carved stones by 3D modelling – Example of Mongolian deer stones. <i>Journal of Cultural Heritage</i> , 2018, 34, 116-128.	3.3	20
41	Modeling of <sup>137</sup> Cs migration in soils using an 80-year soil archive: role of fertilizers and agricultural amendments. <i>Journal of Environmental Radioactivity</i> , 2009, 100, 9-16.	1.7	19
42	Mobility of Ni, Co, and Mn in ultramafic mining soils of New Caledonia, assessed by kinetic EDTA extractions. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 638.	2.7	19
43	Machine learning for rapid mapping of archaeological structures made of dry stones – Example of burial monuments from the Khirgisuur culture, Mongolia –. <i>Journal of Cultural Heritage</i> , 2020, 43, 118-128.	3.3	19
44	Landuse and soil degradation in the southern Maya lowlands, from Pre-Classic to Post-Classic times: The case of La Joyanca (Pet�n, Guatemala). <i>Geodinamica Acta</i> , 2007, 20, 195-207.	2.2	18
45	The first <sup>40</sup> Ar/ <sup>39</sup> Ar date from Oxfordian ammonite-calibrated volcanic layers (bentonites) as a tie-point for the Late Jurassic. <i>Geological Magazine</i> , 2013, 150, 1136-1142.	1.5	18
46	Lichens Used as Monitors of Atmospheric Pollution Around Agadir (Southwestern Morocco) – A Case Study Predating Lead-Free Gasoline. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 1263-1274.	2.4	17
47	Computer-Assisted Orientation and Drawing of Archaeological Pottery. <i>Journal on Computing and Cultural Heritage</i> , 2018, 11, 1-17.	2.1	17
48	Deep learning to detect built cultural heritage from satellite imagery. – Spatial distribution and size of vernacular houses in Sumba, Indonesia –. <i>Journal of Cultural Heritage</i> , 2021, 52, 171-183.	3.3	17
49	Impact of trace metals from past mining on the aquatic ecosystem: A multi-proxy approach in the Morvan (France). <i>Environmental Research</i> , 2014, 134, 410-419.	7.5	15
50	Lead isotopic fingerprint in human scalp hair: The case study of Iglesias mining district (Sardinia, Italy). <i>Environmental Research</i> , 2022, 210, 113817.	8.0	14
51	New constraints on elemental and Pb and Nd isotope compositions of South American and Southern African aerosol sources to the South Atlantic Ocean. <i>Chemie Der Erde</i> , 2018, 78, 372-384.	2.0	14
52	Impact of historical mining assessed in soils by kinetic extraction and lead isotopic ratios. <i>Science of the Total Environment</i> , 2014, 472, 425-436.	8.0	13
53	Impact of nickel mining in New Caledonia assessed by compositional data analysis of lichens. <i>SpringerPlus</i> , 2016, 5, 2022.	1.2	13
54	Morphometry of Middle Bronze Age palstaves by Discrete Cosine Transform. <i>Journal of Archaeological Science</i> , 2009, 36, 721-729.	2.4	12

#	ARTICLE	IF	CITATIONS
55	Tracking past mining activity using trace metals, lead isotopes and compositional data analysis of a sediment core from Longemer Lake, Vosges Mountains, France. <i>Journal of Paleolimnology</i> , 2018, 60, 399-412.	1.6	12
56	Centennial Fertilization-Induced Soil Processes Control Trace Metal Dynamics. Lessons from a Long-Term Bare Fallow Experiment. <i>Soil Systems</i> , 2018, 2, 23.	2.6	11
57	Machine learning and geometric morphometrics to predict obstructive sleep apnea from 3D craniofacial scans. <i>Sleep Medicine</i> , 2022, 95, 76-83.	1.6	10
58	A comparison of PERALSÂ® to alpha spectrometry and beta counting: a measure of the sedimentation rate in a coastal basin. <i>Analytica Chimica Acta</i> , 1996, 330, 107-115.	5.4	9
59	Perturbation vectors to evaluate air quality using lichens and bromeliads: a Brazilian case study. <i>Environmental Monitoring and Assessment</i> , 2017, 189, 566.	2.7	9
60	Unsupervised model-based clustering for typological classification of Middle Bronze Age flanged axes. <i>Journal of Archaeological Science: Reports</i> , 2015, 3, 381-391.	0.5	8
61	Morphometry of Middle Bronze Age palstaves. Part II " spatial distribution of shapes in two typological groups, implications for production and exportation. <i>Journal of Archaeological Science</i> , 2013, 40, 507-516.	2.4	7
62	Tracking archaeological and historical mines using mineral prospectivity mapping. <i>Journal of Archaeological Science</i> , 2014, 49, 57-69.	2.4	7
63	Quantifying Cereal-Reaping Microwear On Flint Tools: An Experimental Approach. <i>Archaeometry</i> , 2016, 58, 1038-1046.	1.3	7
64	A computer tool to identify best matches for pottery fragments. <i>Journal of Archaeological Science: Reports</i> , 2021, 37, 102891.	0.5	7
65	Reply on Comment by Longinelli (2013) on a revised phosphate"water fractionation equation. <i>Earth and Planetary Science Letters</i> , 2013, 377-378, 380-382.	4.4	5
66	Tracking atmospheric dispersion of metals in Rio de Janeiro Metropolitan region (Brazil) with epiphytes as bioindicators. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018, 90, 2991-3005.	0.8	4
67	Anza palaeoichnological site, Late Cretaceous, Morocco. Part III: Comparison between traditional and photogrammetric records. <i>Journal of African Earth Sciences</i> , 2020, 172, 103985.	2.0	3
68	A Laboratory Dust Generator Applying Vibration to Soil Sample: Mineralogical Study and Compositional Analyses. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032224.	3.3	3
69	Mapping Sediment Accumulation Rate by using Volume magnetic Susceptibility Core Correlation in a contaminated Bay (Lake Geneva, Switzerland). , 2003, , 73-79.		3
70	Inverse modeling of past lead atmospheric deposition in South Greenland. <i>Atmospheric Environment</i> , 2015, 105, 121-129.	4.1	2
71	Alternative dry separation of PM10 from soils for characterization by kinetic extraction: example of new Caledonian mining soils. <i>Environmental Science and Pollution Research</i> , 2016, 23, 25105-25113.	5.3	2
72	Contextualization of Archaeological Information Using Augmented Photospheres, Viewed with Head-Mounted Displays. <i>Sustainability</i> , 2019, 11, 3894.	3.2	2

#	ARTICLE	IF	CITATIONS
73	Volumetric Obscure as a New Tool to Better Visualize Relief from Digital Elevation Models. Remote Sensing, 2022, 14, 941.	4.0	2
74	Compositional data analysis (CoDA) as a tool to evaluate a new low-cost settling-based PM <sub>10</sub> sampling head in a desert dust source region. Atmospheric Measurement Techniques, 2021, 14, 7657-7680.	3.1	2
75	Images of camels on a mammoth tusk from West Siberia. Archaeological Research in Asia, 2020, 22, 100180.	0.7	1
76	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
77	Documenting carved stones from 3D models. Part II " Ambient occlusion to reveal carved parts. Journal of Cultural Heritage, 2021, 49, 28-37.	3.3	1
78	Discrimination of wheel-thrown pottery surface treatment by Deep Learning. Archaeological and Anthropological Sciences, 2022, 14, 1.	1.8	1