Bernard Gratuze

List of Publications by Year
in descending order

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120 papers	3,166 citations	159525 30 h-index	175177 52 g-index
149 all docs	149 docs citations	149 times ranked	1743 citing authors

#	Article	IF	Citations
1	Obsidian Characterization by Laser Ablation ICP-MS and its Application to Prehistoric Trade in the Mediterranean and the Near East: Sources and Distribution of Obsidian within the Aegean and Anatolia. Journal of Archaeological Science, 1999, 26, 869-881.	1.2	296
2	Mass spectrometry with laser sampling: A new tool to characterize archaeological materials. Journal of Radioanalytical and Nuclear Chemistry, 2001, 247, 645-656.	0.7	162
3	THE TRADING OF ANCIENT GLASS BEADS: NEW ANALYTICAL DATA FROM SOUTH ASIAN AND EAST AFRICAN SODAâ€"ALUMINA GLASS BEADS*. Archaeometry, 2008, 50, 797-821.	0.6	155
4	Natron glass production and supply in the late antique and early medieval Near East: The effect of the Byzantine-Islamic transition. Journal of Archaeological Science, 2016, 75, 57-71.	1.2	126
5	Mineral soda alumina glass: occurence and meaning. Journal of Archaeological Science, 2010, 37, 1646-1655.	1.2	119
6	ISLAMIC GLASS WEIGHTS AND STAMPS: ANALYSIS USING NUCLEAR TECHNIQUES. Archaeometry, 1990, 32, 155-162.	0.6	113
7	Between Egypt, Mesopotamia and Scandinavia: Late Bronze Age glass beads found in Denmark. Journal of Archaeological Science, 2015, 54, 168-181.	1.2	87
8	Middle Palaeolithic and Neolithic Occupations around Mundafan Palaeolake, Saudi Arabia: Implications for Climate Change and Human Dispersals. PLoS ONE, 2013, 8, e69665.	1.1	77
9	The medieval iron market in AriÃ¨ge (France). Multidisciplinary analytical approach and multivariate analyses. Journal of Archaeological Science, 2012, 39, 1080-1093.	1.2	73
10	Dietary patterns during the late prehistoric/historic period in Cikobia island (Fiji): insights from stable isotopes and dental pathologies. Journal of Archaeological Science, 2006, 33, 1396-1410.	1.2	64
11	Chronology of early Islamic glass compositions from Egypt. Journal of Archaeological Science, 2019, 104, 10-18.	1.2	63
12	New Data on the Exploitation of Obsidian in the Southern Caucasus (Armenia, Georgia) and Eastern Turkey, Part 1: Source Characterization. Archaeometry, 2014, 56, 25-47.	0.6	62
13	Does it come from the Pays de Bray? Examination of an origin hypothesis for the ferrous reinforcements used in French medieval churches using major and trace element analyses. Journal of Archaeological Science, 2009, 36, 2445-2462.	1.2	56
14	Application of laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS) for the investigation of ancient silver coins. Journal of Analytical Atomic Spectrometry, 2007, 22, 1163.	1.6	51
15	Mesopotamian glass from Late Bronze Age Egypt, Romania, Germany, and Denmark. Journal of Archaeological Science, 2016, 74, 184-194.	1.2	50
16	Changes in the Signature of Cobalt Colorants in Late Antique and Early Islamic Glass Production. Minerals (Basel, Switzerland), 2018, 8, 225.	0.8	50
17	Neolithic diffusion of obsidian in the western Mediterranean: new data from Iberia. Journal of Archaeological Science, 2014, 41, 69-78.	1.2	46
18	PROVENANCE OF OBSIDIAN EXCAVATED FROM LATE CHALCOLITHIC LEVELS AT THE SITES OF TELL HAMOUKAR AND TELL BRAK, SYRIA*. Archaeometry, 2009, 51, 879-893.	0.6	45

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19	New Data on the Exploitation of Obsidian in the Southern Caucasus (Armenia, Georgia) and Eastern Turkey, Part 2: Obsidian Procurement from the Upper Palaeolithic to the Late Bronze Age. Archaeometry, 2014, 56, 48-69.	0.6	43
20	Comprehensive Chemical Characterisation of Byzantine Glass Weights. PLoS ONE, 2016, 11, e0168289.	1.1	41
21	NONâ€DESTRUCTIVE ANALYSIS OF OBSIDIAN ARTEFACTS USING NUCLEAR TECHNIQUES: INVESTIGATION OF PROVENANCE OF NEAR EASTERN ARTEFACTS. Archaeometry, 1993, 35, 11-21.	0.6	40
22	Sembiran and Pacung on the north coast of Bali: a strategic crossroads for early trans-Asiatic exchange. Antiquity, 2015, 89, 378-396.	0.5	40
23	New investigations of the GÃ¶llÃ¼daÄŸ obsidian lava flows system: a multi-disciplinary approach. Journal of Archaeological Science, 2011, 38, 3174-3184.	1.2	39
24	Manganese Black Pigments in Prehistoric Paintings: the Case of the Black Frieze of Pech Merle (France). Archaeometry, 2001, 43, 211-225.	0.6	37
25	Glass Characterization Using Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry Methods. Natural Science in Archaeology, 2016, , 179-196.	0.7	37
26	Analysis of glass from the post-Roman settlement Tonovcov grad (Slovenia) by PIXEâ€“PIGE and LA-ICP-MS. Nuclear Instruments & Methods in Physics Research B, 2013, 311, 53-59.	0.6	33
27	HIMT, glass composition and commodity branding in the primary glass industry. , 2018, , 159-190.		33
28	Lisht as a New Kingdom Glassâ€Making Site with Its Own Chemical Signature. Archaeometry, 2018, 60, 502-516.	0.6	30
29	Obsidian sources in highland Yemen and their relevance to archaeological research in the Red Sea region. Journal of Archaeological Science, 2010, 37, 2332-2345.	1.2	29
30	Indo-Pacific glass beads from the Indian subcontinent in Early Merovingian graves (5thâ€“6th century) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.2	28
31	Melian obsidian in NW Turkey: Evidence for early Neolithic trade. Journal of Field Archaeology, 2011, 36, 42-49.	0.7	26
32	Obsidian-tempered pottery in the Southern Caucasus: a new approach to obsidian as a ceramic-temper. Journal of Archaeological Science, 2014, 44, 43-54.	1.2	25
33	Analysis of medieval glass by X-ray spectrometric methods. Nuclear Instruments & Methods in Physics Research B, 2000, 161-163, 718-723.	0.6	23
34	Obsidian Sources in the Regions of <scp>E</scp>rzurum and <scp>K</scp>ars (<scp>N</scp>orthâ€<scp>E</scp>ast <scp>T</scp>urkey): New Data. Archaeometry, 2014, 56, 351-374.	0.6	23
35	Trace element quantification of lead based roof sheets of historical monuments by Laser Induced Breakdown Spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 103-104, 34-42.	1.5	21
36	The trade of glass beads in early medieval Illyricum: towards an Islamic monopoly. Archaeological and Anthropological Sciences, 2019, 11, 1107-1122.	0.7	20

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37	Unravelling the Iron Age glass trade in southern Italy: the first trace-element analyses. European Journal of Mineralogy, 2016, 28, 409-433.	0.4	18
38	The geochemical characterization of two long distance chert tracers by ED-XRF and LA-ICP-MS. Implications for Magdalenian human mobility in the Pyrenees (SW Europe). Science and Technology of Archaeological Research, 2017, 3, 405-417.	2.4	18
39	Contribution of PIGE technique to the study of obsidian glasses. Nuclear Instruments & Methods in Physics Research B, 2000, 161-163, 836-841.	0.6	17
40	Applying ED-XRF and LA-ICP-MS to geochemically characterize chert. The case of the Central-Eastern Pre-Pyrenean lacustrine cherts and their presence in the Magdalenian of NE Iberia. Journal of Archaeological Science: Reports, 2017, 13, 88-98.	0.2	17
41	Physicochemical changes in Miscanthus ash on agglomeration with fluidized bed material. Chemical Engineering Journal, 2012, 207-208, 497-503.	6.6	16
42	Lithic raw material procurement at the Chaves cave (Huesca, Spain): A geochemical approach to defining Palaeolithic human mobility. Geoarchaeology - an International Journal, 2020, 35, 856-870.	0.7	15
43	Chapter 15 Provenance analysis of glass artefacts. Comprehensive Analytical Chemistry, 2004, , 663-712.	0.7	13
44	The growth of early social networks: New geochemical results of obsidian from the Ubaid to Chalcolithic Period in Syria, Iraq and the Gulf. Journal of Archaeological Science: Reports, 2016, 9, 743-757.	0.2	13
45	Identification and characterization of two new obsidian sub-sources in the Nemrut volcano (Eastern) Tj ETQq1 1 0.784314 rgBT /Over 705-717.	0.2	12
46	Shanidar Cave and the Baradostian, a Zagros Aurignacian industry. Anthropologie, 2018, 122, 737-748.	0.1	12
47	Long-distance mobility in the North-Western Mediterranean during the Neolithic transition using high resolution pottery sourcing. Journal of Archaeological Science: Reports, 2019, 28, 102050.	0.2	12
48	How much is known about glassy materials in Bronze and Iron Age Italy? New data and general overview. Archaeological and Anthropological Sciences, 2019, 11, 1813-1841.	0.7	12
49	Ancient glassy materials analyses: a new bulk nondestructive method based on fast neutron activation analysis with a cyclotron. Nuclear Instruments & Methods in Physics Research B, 1992, 71, 70-80.	0.6	11
50	Comparative geochemical studies of obsidian samples from various localities. Acta Geologica Hungarica, 2006, 49, 73-87.	0.2	11
51	Compositional observations for Islamic Glass from SÄ«rÄf, Iran, in the Corning Museum of Glass collection. Journal of Archaeological Science: Reports, 2017, 16, 102-116.	0.2	11
52	Modernist enamels: Composition, microstructure and stability. Journal of the European Ceramic Society, 2020, 40, 1753-1766.	2.8	11
53	Considering the Arabian Neolithic through a reconstitution of interregional obsidian distribution patterns in the region. Arabian Archaeology and Epigraphy, 2013, 24, 59-67.	0.2	10
54	Crossing the Pyrenees during the Late Glacial Maximum. The use of geochemistry to trace past human mobility. Journal of Anthropological Archaeology, 2019, 56, 101105.	0.7	9

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55	Risk and reward: Explosive eruptions and obsidian lithic resource at Nabro volcano (Eritrea). Quaternary Science Reviews, 2019, 226, 105995.	1.4	9
56	Dating the mosaics of the Durres amphitheatre through interdisciplinary analysis. Journal of Cultural Heritage, 2017, 28, 27-36.	1.5	8
57	The procurement of obsidian at Arslantepe (Eastern Anatolia) during the Chalcolithic and Early Bronze Age: Connections with Anatolia and Caucasus. Quaternary International, 2018, 467, 342-359.	0.7	8
58	Reconsidering prehistoric chert catchment sources: new data from the Central Pyrenees (Western) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	8
59	Comparison of pXRF and LA-ICP-MS analysis of lead-rich glass mosaic tesserae. Journal of Archaeological Science: Reports, 2020, 34, 102603.	0.2	8
60	Diachronic variability in obsidian procurement patterns and the role of the cave-sheepfold of Getahovit-2 (NE Armenia) during the Chalcolithic period. Quaternary International, 2020, 550, 1-19.	0.7	8
61	Composition, microstructure and corrosion mechanisms of Catalan Modernist enamelled glass. Journal of the European Ceramic Society, 2021, 41, 1707-1719.	2.8	8
62	Compositional and provenance study of glass beads from archaeological sites in Mali and Senegal at the time of the first Sahelian states. PLoS ONE, 2020, 15, e0242027.	1.1	8
63	Characterization and origin of steatite beads made by Northern Iroquoians in the St. Lawrence Valley during the 15th and 16th centuries. Journal of Archaeological Science: Reports, 2016, 8, 323-334.	0.2	7
64	Wine Bottles From Lisbon: Archaeometric Studies Of Two Archaeological Sites Dated From The 17th To The 19th Century. Archaeometry, 2017, 59, 852-873.	0.6	7
65	Discovery of obsidian mines on Mount Chikiani in the Lesser Caucasus of Georgia. Antiquity, 2017, 91, .	0.5	7
66	Between cooking and knapping in the southern Caucasus: Obsidian-tempered ceramics from Aratashen (Armenia) and MenteshÂTepe (Azerbaijan). Quaternary International, 2018, 468, 121-133.	0.7	6
67	On the making, mixing and trading of glass from the Roman military fort at Oudenburg (Belgium). Archaeological and Anthropological Sciences, 2019, 11, 2385-2405.	0.7	6
68	COMMERCIAL AND SOCIAL SIGNIFICANCE OF GLASS BEADS IN MIGRATIONâ€PERIOD ITALY: THE CEMETERY OF CAMPO MARCHIONE. Oxford Journal of Archaeology, 2020, 39, 319-342.	0.3	6
69	Glass in the Middle East and Western Europe at the End of the First Millennium CE, Transition from Natron to Plant Ash Soda or Forest Glasses. , 2021, , 21-38.		6
70	Obsidian outcrops from Nemrut volcano (eastern Anatolia)Â: evidence in favor of an exploitable source, first results. Geomorphologie Relief, Processus, Environnement, 2015, 21, 217-234.	0.7	6
71	Provenance studies on faÃ§on-de-Venise glass excavated in Portugal. Journal of Archaeological Science: Reports, 2016, 7, 437-448.	0.2	5
72	An archaeometric study of some pre-Roman glass beads from Son Mas (Mallorca, Spain). Journal of Archaeological Science: Reports, 2018, 17, 491-499.	0.2	5

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73	From beams to glass: determining compositions to study provenance and production techniques. Physical Sciences Reviews, 2019, 4, .	0.8	5
74	A Phoenician glass eye bead from 7thâ€“5thâ€¯c.â€¯calâ€¯BCE Nin-BÃ¨rÃ¨ 3, Mali: Compositional characterisation by LAâ€“ICPâ€“MS. Journal of Archaeological Science: Reports, 2019, 24, 748-758.	0.2	5
75	Chemical and Mechanical Characterisation of White Earthenware Glazes from the Johnstonâ€Vieillard Manufactory (France, 19th Century). Archaeometry, 2021, 63, 941-959.	0.6	5
76	New data and perspectives on the early stages of the Neolithic in the Middle Kura River Valley (South) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Asia, 2021, 27, 100308.	0.2	5
77	Characterization of Slag Inclusions in Iron Objects. Natural Science in Archaeology, 2016, , 213-228.	0.7	5
78	Bronze Age vitreous materials from Punta di Zambrone (southern Italy). European Journal of Mineralogy, 2015, 27, 337-351.	0.4	4
79	Lead it be! Identifying the construction phases of gothic cathedrals using lead analysis by LA-ICP-MS. Journal of Archaeological Science: Reports, 2016, 6, 252-265.	0.2	4
80	Provenance studies of 18th century potassium-rich archaeological glass from Portugal. Journal of Archaeological Science: Reports, 2017, 13, 185-198.	0.2	4
81	Extending the scale of obsidian studies: Towards a highâ€resolution investigation of obsidian prehistoric circulation patterns in the southern Caucasus and northâ€western Iran. Archaeometry, 2021, 63, 923-940.	0.6	4
82	First 40Ar/39Ar analyses of Australasian tektites in close association with bifacially worked artifacts at Nalai site in Bose Basin, South China: The question of the early Chinese Acheulean. Journal of Human Evolution, 2021, 153, 102953.	1.3	4
83	Application de la spectromÃ©trie de masse Ã plasma. , 2014, , 243-272.		4
84	Production or Consumption? Glass Beads from the Roman Villa of Aiano, Tuscany. European Journal of Archaeology, 2022, 25, 196-215.	0.3	4
85	Glass and other vitreous materials through history. , 2019, , 87-150.		4
86	The lithic landscape around Kharaneh IV (Azraq Basin, Jordan): Petrographical and geochemical characterization of geological cherts. Journal of Archaeological Science: Reports, 2019, 26, 101857.	0.2	3
87	Tracing Palaeolithic human routes through the geochemical characterisation of chert tools from Caune de Belvis (Aude, France). Archaeological and Anthropological Sciences, 2020, 12, 1.	0.7	3
88	Characterizing the lithic raw materials from Fuente del Trucho (Asqueâ€Colungo, Huesca): New data about Palaeolithic human mobility in northâ€east Iberia. Archaeometry, 2021, 63, 247-265.	0.6	3
89	Sand and Pebbles: The Study of Portuguese Raw Materials for Provenance Archaeological Glass. Minerals (Basel, Switzerland), 2022, 12, 193.	0.8	3
90	Glass ingots from the Uluburun shipwreck: Glass by the batch in the Late Bronze Age. Journal of Archaeological Science: Reports, 2022, 42, 103354.	0.2	3

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91	Gilding on glass: New evidence from a 17th century flask found in Portugal. Journal of Archaeological Science: Reports, 2016, 6, 293-301.	0.2	2
92	Scientific Analysis of Ancient Glass: Answering the Questions and Questioning the Answers. Series on Archaeology and History of Science in China, 2016, , 267-301.	0.1	2
93	Provenance dâ€™artefacts en rhyolite corseÂ: Ã©valuation des mÃ©thodes dâ€™analyse gÃ©ochimique. Comptes Rendus - Palevol, 2018, 17, 220-232.	0.1	2
94	Analysis of Vitreous Archaeological Materials by LA-ICP-MS. Natural Science in Archaeology, 2016, , 137-139.	0.7	2
95	La production monÃ©taire romaine en orichalqueÂ: caractÃ©risation du monnayage et approche du processus dâ€™Ã©laboration par lâ€™expÃ©rimentation. ArcheoSciences, 2011, , 93-102.	0.1	2
96	Les objets de parure en black shales Ã lâ€™Ã‚ge du Fer en Europe celtiqueÂ: recherche de provenance par lâ€™analyse Ã©lÃ©mentaire (LA-ICP/MS). ArcheoSciences, 2007, , 87-96.	0.1	2
97	LA-ICP-MS Analysis of Ancient Silver Coins Using Concentration Profiles. Natural Science in Archaeology, 2016, , 73-87.	0.7	2
98	Unravelling the Iron Age glass trade in southern Italy: the first trace-element analyses (DOI:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	0.4	2
99	Ã‰tude de provenance et implications Ã©conomico-culturelles des parures vitreuses et rÃ©sineuses du Bronze moyen de lâ€™abri 1 de Campu Stefanu (Sollacaro, Corse-du-Sud). ArcheoSciences, 2016, , 65-81.	0.1	2
100	Indian Glass Beads in Western and North Europe in Early Middle Age. , 2021, , 427-450.		2
101	Eastward expansion of the Neolithic from the Zagros: Obsidian provenience from Sang-e Chakhmaq, a late 8th-early 7th millennia BCE Neolithic site in northeast Iran. Journal of Archaeological Science: Reports, 2020, 29, 101969.	0.2	1
102	12. From beams to glass: determining compositions to study provenance and production techniques. , 2020, , 273-306.		1
103	Application of LA-ICP-MS to Black Stone Objects Used During the Iron Age in Celtic Europe. Natural Science in Archaeology, 2016, , 267-321.	0.7	1
104	Le verre aventurine (Â«ÂavventurinaÂÂ»)Â: son histoire, les recettes, les analyses, sa fabrication. ArcheoSciences, 2013, , 135-154.	0.1	1
105	Oculi des baies hautes du chÅ“ur. Ã‰tude archÃ©ologique et archÃ©omÃ©trique des Ã©lÃ©ments mÃ©talliques. , 2014, , 307-320.		1
106	The Neolithic Obsidians From Southeastern Ukraine First Characterization and Provenance Determination. Anadolu (Anatolia), 2014, .	0.1	1
107	Four centuries of forest glass craftsmanship in the Mediterranean Languedoc: the glassmaking workshop of the farmhouse of Baumes (FerriÃ¨res-les-Verreries, HÃ©rault), 14th-18th century. Patrimoines Du Sud, 2016, , .	0.0	1
108	4. Developing an Adaptive Field Methodology for Challenging Landscapes. , 2015, , 53-103.		0

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109	Jean-Stéphane Bottier, Jacques Piette und Claude Mordant (dir.): Archéologie funéraire du Bronze final dans les vallées de l'Yonne et de la haute Seine: Les nécropoles de Barbey, Barbuise et La Saulsotte. Mit Beiträgen von Bernard Gratuze, Rachael Leahy, Patrice Méniel, Mafalda Roscio und Laure Saligny und unter Mitarbeit von Nadia Cantin, Germaine Depierre, Clément Moreau und Ingrid Turé. Éditions Universitaires de Dijon (Dijon 2012). 790 Seiten, 193 Abbildungen, 275 Tafeln, zahlreiche Tabellen. ISBN 978-2-3644. Prähistorische Zeitschrift, 2017, 129, .	0.1	0
110	Chemical compositional analysis of glass from the north cemetery of ancient Demetrias (Thessaly). Journal of Archaeological Science: Reports, 2018, 22, 506-512.	0.2	0
111	Verres et céramiques glaçurées archéologiques : complémentarité entre les textes et les résultats d'analyses. De Diversis Artibus, 2002, , 211-228.	0.0	0
112	Le mobilier en verre du site de la Grotta Piatta (Aregno, Haute-Corse)Â: composition chimique et chronotypologie. ArcheoSciences, 2007, , 163-173.	0.1	0
113	The Dating of a Sixteenth Century Settlement in the Vicinity of Quebec City (Canada) by Means of Elemental Analysis of Glass Beads Through Thermal and Fast Neutron Activation Analyses. , 2011, , 501-508.		0
114	The protohistoric glass bracelets of Brittany. Revue Archéologique De L'Ouest, 2011, , 149-166.	0.1	0
115	L'or de la vallée de la SommeÂ: recherches sur le monnayage d'or ambien (IIIe-Ier siècle av. J.-C.). ArcheoSciences, 2012, , 117-126.	0.1	0
116	Prendre la mesure du faux-monnayageÂ: réflexions sur les chaînes opératoires et la productivité des faux-monnayeurs de la grotte de LaÂCatette (Aude). , 2013, , 219-237.		0
117	Les ateliers-maisons des argentières du Colombier (Ardèche). Archeologie Medievale, 2019, , 1-52.	0.0	0
118	Des artisans du verre dans le bourg monastique de Jumièges (Normandie, France). , 2020, , 315-324.		0
119	The use of natural resources at Mentesh Tepe during the Late Chalcolithic period and the Early Bronze Age. , 2021, , 409-424.		0
120	Chapitre 9 : Les verres mosaïquésÂ : la palette de couleurs du verrier égyptien. , 2020, , 165-196.		0