Bernard Gratuze

List of Publications by Year in Descending Order

132 papers	2,394 citations	27 h-index	45 g-index
149 ext. papers	2,786 ext. citations	1.7 avg, IF	5.29 L-index

#	Paper	IF	Citations
132	Sand and Pebbles: The Study of Portuguese Raw Materials for Provenance Archaeological Glass. *Minerals (Basel, Switzerland)*, **2022**, 12, 193	2.4	
131	Glass ingots from the Uluburun shipwreck: Glass by the batch in the Late Bronze Age. *Journal of Archaeological Science: Reports*, **2022**, 42, 103354	0.7	1
130	The use of natural resources at Mentesh Tepe during the Late Chalcolithic period and the Early Bronze Age **2021**, 409-424		
129	Indian Glass Beads in Western and North Europe in Early Middle Age **2021**, 427-450		1
128	Chemical and Mechanical Characterisation of White Earthenware Glazes from the Johnston-Vieillard Manufactory (France, 19th Century). *Archaeometry*, **2021**, 63, 941-959	1.6	0
127	First Ar/Ar 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	3.1	3
126	Composition, microstructure and corrosion mechanisms of Catalan Modernist enamelled glass. *Journal of the European Ceramic Society*, **2021**, 41, 1707-1719	6	3
125	Characterizing the lithic raw materials from Fuente del Trucho (Asque-Colungo, Huesca): New data about Palaeolithic human mobility in north-east Iberia. *Archaeometry*, **2021**, 63, 247-265	1.6	1
124	Extending the scale of obsidian studies: Towards a high-resolution investigation of obsidian prehistoric circulation patterns in the southern Caucasus and north-western Iran. *Archaeometry*, **2021**, 63, 923-940	1.6	1
123	New data and perspectives on the early stages of the Neolithic in the Middle Kura River Valley (South Caucasus). The 2017–2019 excavations at Kiçik Tepe, Western Azerbaijan. *Archaeological Research in Asia*, **2021**, 27, 100308	1.9	1
122	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		1
121	Tracing Palaeolithic human routes through the geochemical characterisation of chert tools from Caune de Belvis (Aude, France). *Archaeological and Anthropological Sciences*, **2020**, 12, 1	1.8	1
120	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	1.4	7
119	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	2	4
118	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	3.7	1
117	Des artisans du verre dans le bourg monastique de Jumiéges (Normandie, France) **2020**, 315-324		
116	Modernist enamels: Composition, microstructure and stability. *Journal of the European Ceramic Society*, **2020**, 40, 1753-1766	6	5

115	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	0.7	1
114	12. From beams to glass: determining compositions to study provenance and production techniques **2020**, 273-306		1
113	COMMERCIAL AND SOCIAL SIGNIFICANCE OF GLASS BEADS IN MIGRATION-PERIOD ITALY: THE CEMETERY OF CAMPO MARCHIONE. *Oxford Journal of Archaeology*, **2020**, 39, 319-342	0.3	2
112	Comparison of pXRF and LA-ICP-MS analysis of lead-rich glass mosaic tesserae. *Journal of Archaeological Science: Reports*, **2020**, 34, 102603	0.7	7
111	The lithic landscape around Kharaneh IV (Azraq Basin, Jordan): Petrographical and geochemical characterization of geological cherts. *Journal of Archaeological Science: Reports*, **2019**, 26, 101857	0.7	3
110	A Phoenician glass eye bead from 7th–5th c. cal BCE Nin-B□3, Mali: Compositional characterisation by LA□CP□MS. *Journal of Archaeological Science: Reports*, **2019**, 24, 748-758	0.7	5
109	Chronology of early Islamic glass compositions from Egypt. *Journal of Archaeological Science*, **2019**, 104, 10-18	2.9	38
108	On the making, mixing and trading of glass from the Roman military fort at Oudenburg (Belgium). *Archaeological and Anthropological Sciences*, **2019**, 11, 2385-2405	1.8	4
107	The trade of glass beads in early medieval Illyricum: towards an Islamic monopoly. *Archaeological and Anthropological Sciences*, **2019**, 11, 1107-1122	1.8	14
106	From beams to glass: determining compositions to study provenance and production techniques. *Physical Sciences Reviews*, **2019**, 4,	1.4	5
105	Crossing the Pyrenees during the Late Glacial Maximum. The use of geochemistry to trace past human mobility. *Journal of Anthropological Archaeology*, **2019**, 56, 101105	1.9	3
104	Risk and reward: Explosive eruptions and obsidian lithic resource at Nabro volcano (Eritrea). *Quaternary Science Reviews*, **2019**, 226, 105995	3.9	4
103	Glass and other vitreous materials through history **2019**, 87-150		0
102	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	0.7	7
101	Reconsidering prehistoric chert catchment sources: new data from the Central Pyrenees (Western Europe). *Archaeological and Anthropological Sciences*, **2019**, 11, 947-957	1.8	5
100	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	1.8	7
99	Provenance d□rtefacts en rhyolite corse´ : ℓvaluation des m□thodes d□analyse g□chimique. *Comptes Rendus - Palevol*, **2018**, 17, 220-232	1.6	1
98	An archaeometric study of some pre-Roman glass beads from Son Mas (Mallorca, Spain). *Journal of Archaeological Science: Reports*, **2018**, 17, 491-499	0.7	5

97	Chemical compositional analysis of glass from the north cemetery of ancient Demetrias (Thessaly). *Journal of Archaeological Science: Reports*, **2018**, 22, 506-512	0.7	
96	Lisht as a New Kingdom Glass-Making Site with Its Own Chemical Signature. *Archaeometry*, **2018**, 60, 502-516	1.6	22
95	Between cooking and knapping in the southern Caucasus: Obsidian-tempered ceramics from Aratashen (Armenia) and Mentesh´ Tepe (Azerbaijan). *Quaternary International*, **2018**, 468, 121-133	2	3
94	Changes in the Signature of Cobalt Colorants in Late Antique and Early Islamic Glass Production. *Minerals (Basel, Switzerland)*, **2018**, 8, 225	2.4	29
93	HIMT, glass composition and commodity branding in the primary glass industry **2018**, 159-190		17
92	Shanidar Cave and the Baradostian, a Zagros Aurignacian industry. *Anthropologie*, **2018**, 122, 737-748	0.5	3
91	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	2	7
90	Wine Bottles From Lisbon: Archaeometric Studies Of Two Archaeological Sites Dated From The 17th To The 19th Century. *Archaeometry*, **2017**, 59, 852-873	1.6	4
89	Provenance studies of 18th century potassium-rich archaeological glass from Portugal. *Journal of Archaeological Science: Reports*, **2017**, 13, 185-198	0.7	3
88	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	0.7	10
87	Compositional observations for Islamic Glass from S□rf□, Iran, in the Corning Museum of Glass collection. *Journal of Archaeological Science: Reports*, **2017**, 16, 102-116	0.7	4
86	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	1.2	15
85	Dating the mosaics of the Durres amphitheatre through interdisciplinary analysis. *Journal of Cultural Heritage*, **2017**, 28, 27-36	2.9	6
84	Discovery of obsidian mines on Mount Chikiani in the Lesser Caucasus of Georgia. *Antiquity*, **2017**, 91,	1	6
83	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	2.9	98
82	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
81	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	0.7	11
80	Mesopotamian glass from Late Bronze Age Egypt, Romania, Germany, and Denmark. *Journal of Archaeological Science*, **2016**, 74, 184-194	2.9	28

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	0.7	4
78	Comprehensive Chemical Characterisation of Byzantine Glass Weights. *PLoS ONE*, **2016**, 11, e0168289	3.7	30
77	Characterization of Slag Inclusions in Iron Objects. *Natural Science in Archaeology*, **2016**, 213-228	0.4	4
76	Application of LA-ICP-MS to Black Stone Objects Used During the Iron Age in Celtic Europe. *Natural Science in Archaeology*, **2016**, 267-321	0.4	1
75	Analysis of Vitreous Archaeological Materials by LA-ICP-MS. *Natural Science in Archaeology*, **2016**, 137-139	0.4	1
74	LA-ICP-MS Analysis of Ancient Silver Coins Using Concentration Profiles. *Natural Science in Archaeology*, **2016**, 73-87	0.4	0
73	Étude de provenance et implications économico-culturelles des parures vitreuses et résineuses du Bronze moyen de l'abri 1 de Campu Stefanu (Sollacaro, Corse-du-Sud). *ArcheoSciences*, **2016**, 65-81	0.1	2
72	Unravelling the Iron Age glass trade in southern Italy: the first trace-element analyses. *European Journal of Mineralogy*, **2016**, 28, 409-433	2.2	12
71	Gilding on glass: New evidence from a 17th century flask found in Portugal. *Journal of Archaeological Science: Reports*, **2016**, 6, 293-301	0.7	1
70	Provenance studies on façon-de-Venise glass excavated in Portugal. *Journal of Archaeological Science: Reports*, **2016**, 7, 437-448	0.7	5
69	Indo-Pacific glass beads from the Indian subcontinent in Early Merovingian graves (5th–8th century AD). *Archaeological Research in Asia*, **2016**, 6, 51-64	1.9	18
68	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	0.7	3
67	Identification and characterization of two new obsidian sub-sources in the Nemrut volcano (Eastern Anatolia, Turkey): The Süleksu and Kayacık obsidian. *Journal of Archaeological Science: Reports*, **2016**, 9, 705-717	0.7	9
66	Glass Characterization Using Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry Methods. *Natural Science in Archaeology*, **2016**, 179-196	0.4	15
65	Bronze Age vitreous materials from Punta di Zambrone (southern Italy). *European Journal of Mineralogy*, **2015**, 27, 337-351	2.2	4
64	Sembiran and Pacung on the north coast of Bali: a strategic crossroads for early trans-Asiatic exchange. *Antiquity*, **2015**, 89, 378-396	1	27
63	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	3.1	16
62	4. Developing an Adaptive Field Methodology for Challenging Landscapes **2015**, 53-103		

61	Between Egypt, Mesopotamia and Scandinavia: Late Bronze Age glass beads found in Denmark. *Journal of Archaeological Science*, **2015**, 54, 168-181	2.9	64
60	Les affleurements d'obsidiennes du Nemrut (Anatolie orientale) : mise en évidence d'une source exploitable, premiers résultats. *Geomorphologie Relief, Processus, Environnement*, **2015**, 21, 217-234	0.7	5
59	Obsidian-tempered pottery in the Southern Caucasus: a new approach to obsidian as a ceramic-temper. *Journal of Archaeological Science*, **2014**, 44, 43-54	2.9	19
58	Neolithic diffusion of obsidian in the western Mediterranean: new data from Iberia. *Journal of Archaeological Science*, **2014**, 41, 69-78	2.9	36
57	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	1.6	37
56	Obsidian Sources in the Regions of Erzurum and Kars (North-East Turkey): New Data. *Archaeometry*, **2014**, 56, 351-374	1.6	15
55	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	1.6	53
54	Application de la spectromètrie de masse à plasma **2014**, 243-272		2
53	Considering the Arabian Neolithic through a reconstitution of interregional obsidian distribution patterns in the region. *Arabian Archaeology and Epigraphy*, **2013**, 24, 59-67	0.7	9
52	Analysis of glass from the post-Roman settlement Tonovcov grad (Slovenia) by PIXE–PIGE and LA-ICP-MS. *Nuclear Instruments & Methods in Physics Research B*, **2013**, 311, 53-59	1.2	27
51	Middle palaeolithic and neolithic occupations around Mundafan Palaeolake, Saudi Arabia: implications for climate change and human dispersals. *PLoS ONE*, **2013**, 8, e69665	3.7	62
50	Obsidian Exchange Networks in Prehistoric Anatolia: New Data from the Black Sea Region. *Paleorient*, **2013**, 39, 173-182	0.3	5
49	Le verre aventurine (« avventurina ») : son histoire, les recettes, les analyses, sa fabrication. *ArcheoSciences*, **2013**, 135-154	0.1	1
48	Physicochemical changes in Miscanthus ash on agglomeration with fluidized bed material. *Chemical Engineering Journal*, **2012**, 207-208, 497-503	14.7	12
47	The medieval iron market in Ariège (France). Multidisciplinary analytical approach and multivariate analyses. *Journal of Archaeological Science*, **2012**, 39, 1080-1093	2.9	54
46	L'or de la vallée de la Somme : recherches sur le monnayage d'or ambien (IIIe-Ier siècle av. J.-C.). *ArcheoSciences*, **2012**, 117-126	0.1	
45	New investigations of the Gutâi obsidian lava flows system: a multi-disciplinary approach. *Journal of Archaeological Science*, **2011**, 38, 3174-3184	2.9	32
44	Melian obsidian in NW Turkey: Evidence for early Neolithic trade. *Journal of Field Archaeology*, **2011**, 36, 42-49	2	20

43	La production monétaire romaine en orichalque´ : caractérisation du monnayage et approche du processus d'élaboration par l'expérimentation. *ArcheoSciences*, **2011**, 93-102	0.1	2
42	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		
41	Mineral soda alumina glass: occurence and meaning. *Journal of Archaeological Science*, **2010**, 37, 1646-1655	2.9	85
40	Obsidian sources in highland Yemen and their relevance to archaeological research in the Red Sea region. *Journal of Archaeological Science*, **2010**, 37, 2332-2345	2.9	24
39	L'artisanat des alliages cuivreux à l'époque romaine : témoignages d'une production métallurgique à Javols-Anderitum (Lozère). *Revue Archeologique Narbonnaise*, **2010**, 43, 339-368		2
38	PROVENANCE OF OBSIDIAN EXCAVATED FROM LATE CHALCOLITHIC LEVELS AT THE SITES OF TELL HAMOUKAR AND TELL BRAK, SYRIA*. *Archaeometry*, **2009**, 51, 879-893	1.6	38
37	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	2.9	41
36	Nouveaux résultats sur l'origine des obsidiennes de Peiro Signado à Portiragnes (Hérault). *Bulletin De La Societe Prehistorique Francaise*, **2009**, 106, 809-811		6
35	THE TRADING OF ANCIENT GLASS BEADS: NEW ANALYTICAL DATA FROM SOUTH ASIAN AND EAST AFRICAN SODA–ALUMINA GLASS BEADS*. *Archaeometry*, **2008**, 50, 797-821	1.6	119
34	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	3.7	44
33	La composition des verres de Xanthos. *Anatolia Antiqua Eski Anadolu*, **2007**, 15, 247-254	0.1	3
32	Paire de fibules en or du Ier s. av. J.-C. : autour d'une découverte de l'oppidum de Corent (Puy-de-Dôme). *Gallia*, **2007**, 64, 191-225	0.1	1
31	Le mobilier en verre du site de la Grotta Piatta (Aregno, Haute-Corse)´ : composition chimique et chronotypologie. *ArcheoSciences*, **2007**, 163-173	0.1	
30	Les objets de parure en black shales à l'âge du Fer en Europe celtique´ : recherche de provenance par l'analyse élémentaire (LA-ICP/MS). *ArcheoSciences*, **2007**, 87-96	0.1	2
29	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	2.9	56
28	Comparative geochemical studies of obsidian samples from various localities. *Acta Geologica Hungarica*, **2006**, 49, 73-87		9
27	Glass from Khao Sam Kaeo: Transferred technology for an early Southeast Asian exchange network. *Bulletin De L'École Française D'Extrême-Orient*, **2006**, 93, 317-351	2	28
26	Les éléments de parure en verre du site de Lumaca (âge du Fer, Centuri, Haute-Corse) : compositions et typochronologie. *Bulletin De La Societe Prehistorique Francaise*, **2006**, 103, 379-384		5

25	Chapter 15 Provenance analysis of glass artefacts. *Comprehensive Analytical Chemistry*, **2004**, 663-712	1.9	11
24	Origine et diffusion du verre dans le monde indien et en Asie du Sud-Est : l'importance du dosage des lments-traces.. *ArcheoSciences*, **2003**, 27, 67-73		15
23	Mass spectrometry with laser sampling: A new tool to characterize archaeological materials. *Journal of Radioanalytical and Nuclear Chemistry*, **2001**, 247, 645-656	1.5	134
22	Manganese Black Pigments in Prehistoric Paintings: the Case of the Black Frieze of Pech Merle (France). *Archaeometry*, **2001**, 43, 211-225	1.6	31
21	Analyse quantitative de fragments de verre provenant de Begram. *Topoi Orient-Occident*, **2001**, 11, 451-472		18
20	Contribution of PIGE technique to the study of obsidian glasses. *Nuclear Instruments & Methods in Physics Research B*, **2000**, 161-163, 836-841	1.2	16
19	Analysis of medieval glass by X-ray spectrometric methods. *Nuclear Instruments & Methods in Physics Research B*, **2000**, 161-163, 718-723	1.2	22
18	Essais de caractrisation des silex bouliens provenaux par analyse chimique lmentaire.. *ArcheoSciences*, **2000**, 24, 149-167		13
17	Annexe : tude chimique des verres de l'atelier de Beyrouth. *Syria*, **2000**, 77, 291-304	0	6
16	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	2.9	252
15	Caractrisation de boules de bleu gyptien : analyse par absorption visible et par activation avec des neutrons rapides de cyclotron. *ArcheoSciences*, **1997**, 21, 121-130		2
14	Obsidiennes du site nolithique prcramique de Shillourokambos (Chypre).. *Paleorient*, **1997**, 23, 95-112	0.3	24
13	De l'origine du cobalt : du verre la cramique. *ArcheoSciences*, **1996**, 20, 77-94		99
12	Le verre : les lments de rponses que peuvent proposer les mthodes de caractrisation physico-chimiques aux problmatiques archologiques poses par ce matriau. *ArcheoSciences*, **1994**, 18, 75-87		3
11	NON-DESTRUCTIVE ANALYSIS OF OBSIDIAN ARTEFACTS USING NUCLEAR TECHNIQUES: INVESTIGATION OF PROVENANCE OF NEAR EASTERN ARTEFACTS. *Archaeometry*, **1993**, 35, 11-21	1.6	31
10	Apport de la mthode ICP-MS couple l'ablation laser pour la caractrisation des archomatriaux. *ArcheoSciences*, **1993**, 17, 89-104		20
9	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	1.2	10
8	De l'origine du cobalt dans les verres. *ArcheoSciences*, **1992**, 16, 97-108		72

7	ISLAMIC GLASS WEIGHTS AND STAMPS: ANALYSIS USING NUCLEAR TECHNIQUES. *Archaeometry*, **1990**, 32, 155-162	1.6	96
6	Les collyres. *Gallia*, **1990**, 47, 235-243	0.1	2
5	Utilisation par l□industrie verri□e des sels d□luns des oasis égyptiennes au d□but du premier millénaire avant notre □e269-276		4
4	Production or Consumption? Glass Beads from the Roman Villa of Aiano, Tuscany. *European Journal of Archaeology*,1-20	0.7	0
3	Provenance Analysis of Glass Artefacts311-343		12
2	Glass in South Asia399-413		8
1	Glass Characterisation Using Laser Ablation Inductively Coupled Plasma Mass Spectrometry Methods201-234		11