

# Gerhard Eggert

## List of Publications by Year in descending order

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41  
papers

369  
citations

840776

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839539

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44  
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44  
times ranked

285  
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#	ARTICLE	IF	CITATIONS
1	Morphological Study of Bio-Based Polymers in the Consolidation of Waterlogged Wooden Objects. <i>Materials</i> , 2022, 15, 681.	2.9	4
2	Are cellulose ethers safe for the conservation of artwork? New insights in their VOC activity by means of Oddy testing. <i>Heritage Science</i> , 2022, 10, .	2.3	2
3	Saturated salt solutions in showcases: humidity control and pollutant absorption. <i>Heritage Science</i> , 2022, 10, .	2.3	9
4	The formation of formates: a review of metal formates on heritage objects. <i>Heritage Science</i> , 2021, 9, .	2.3	19
5	The variety of calcium-bearing efflorescence phases – an explanation by crystal chemistry. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2021, 77, C540-C541.	0.1	0
6	When Glass and Metal Corrode Together, VI: Chalconatronite. <i>Studies in Conservation</i> , 2020, 65, 152-159.	1.1	6
7	Crystal Structure, Polymorphism, and Anisotropic Thermal Expansion of $\text{Ca}(\text{CH}_3\text{COO})_2$ . <i>Crystal Growth and Design</i> , 2020, 20, 5346-5355.	3.0	7
8	Corrosion of Heritage Objects: Collagen-Like Triple Helix Found in the Calcium Acetate Hemihydrate Crystal Structure. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9438-9442.	13.8	8
9	Korrosion von Kulturgut: Entdeckung einer kollagenartigen Tripelhelix in der Kristallstruktur von Calciumacetat-Hemihydrat. <i>Angewandte Chemie</i> , 2020, 132, 9525-9529.	2.0	1
10	On Verdigris, Part III: Crystal Structure, Magnetic and Spectral Properties of Anhydrous Copper(II) Acetate, a Paddle Wheel Chain. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2019, 645, 988-997.	1.2	11
11	Brass and Glass: Crystal Structure Solution and Phase Characterisation of the Corrosion Product $\text{Zn}_4\text{Cu}_3(\text{Zn})\text{Cu}_6(\text{HCOO})_8(\text{OH})_{18}$ . <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 920-927.		
12	Brass and Glass: Crystal Structure Solution and Phase Characterisation of the Corrosion Product $\text{Zn}_4\text{Cu}_3(\text{Zn})\text{Cu}_6(\text{HCOO})_8(\text{OH})_{18}$ . <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 893-893.		
13	Efflorescence on calcareous objects in museums: crystallisation, phase characterisation and crystal structures of calcium acetate formate phases. <i>Dalton Transactions</i> , 2019, 48, 16062-16073.	3.3	6
14	Characterization of a new efflorescence salt on calcareous historic objects stored in wood cabinets: $\text{Ca}_2(\text{CH}_3\text{COO})(\text{HCOO})(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$ . <i>Corrosion Science</i> , 2018, 132, 68-78.	6.6	12
15	When Glass and Metal Corrode Together, V: Sodium Copper Formate. <i>Studies in Conservation</i> , 2018, 63, 342-355.	1.1	13
16	On verdigris, part II: synthesis of the 2-1-5 phase, $\text{Cu}_3(\text{CH}_3\text{COO})_4(\text{OH})_2 \cdot 5\text{H}_2\text{O}$ , by long-term crystallisation from aqueous solution at room temperature. <i>Dalton Transactions</i> , 2018, 47, 8209-8220.	3.3	14
17	Glass-Induced Lead Corrosion of Heritage Objects: Structural Characterization of $\text{K}(\text{OH}) \cdot 2\text{PbCO}_3$ . <i>Inorganic Chemistry</i> , 2017, 56, 5762-5770.	4.0	15
18	On verdigris, part I: synthesis, crystal structure solution and characterisation of the $\text{Ca}_3(\text{CH}_3\text{COO})_2(\text{OH})_4$ phase. <i>Dalton Transactions</i> , 2017, 46, 14847-14858.	3.3	20

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19	Copper(II) hydroxide on artefacts: Corrosion, conservation, colourants. <i>Studies in Conservation</i> , 2017, 62, 61-67.	1.1	12
20	Zersetzung bringt Neues: Korrosionsprodukte im Museum. <i>Nachrichten Aus Der Chemie</i> , 2017, 65, 1185-1189.	0.0	0
21	One heritage corrosion product less: basic sodium copper carbonate. <i>Heritage Science</i> , 2016, 4, .	2.3	4
22	X-ray Powder Diffraction in Conservation Science: Towards Routine Crystal Structure Determination of Corrosion Products on Heritage Art Objects. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	5
23	Solid-State Structure of a Degradation Product Frequently Observed on Historic Metal Objects. <i>Inorganic Chemistry</i> , 2015, 54, 2638-2642.	4.0	16
24	Crystal Structure of Thecotrichite, an Efflorescent Salt on Calcareous Objects Stored in Wooden Cabinets. <i>Crystal Growth and Design</i> , 2015, 15, 2795-2800.	3.0	14
25	Poster summaries. <i>Studies in Conservation</i> , 2012, 57, S341-S391.	1.1	0
26	Corroding glass, corroding metals: survey of joint metal/glass corrosion products on historic objects. <i>Corrosion Engineering Science and Technology</i> , 2010, 45, 414-419.	1.4	16
27	Crystal structure of trihydroxycopper formate, $\text{Cu}_2(\text{OH})_3(\text{HCOO})$ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2009, 224, 609-610.	0.3	5
28	To coat or not to coat? The maintenance of Corâ€TenÂ® sculptures. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2008, 59, 239-247.	1.5	14
29	Calcium Carbonate on Bronze Finds. <i>Studies in Conservation</i> , 2008, 53, 264-272.	1.1	2
30	The vicissitudes of vivianite as pigment and corrosion product. <i>Studies in Conservation</i> , 2007, 52, 3-13.	1.1	10
31	To Whom the Cracks Tell. <i>Studies in Conservation</i> , 2006, 51, 69-75.	1.1	3
32	On the Occurrence of Magnesium Phosphates on Ivory. <i>Studies in Conservation</i> , 2002, 47, 155.	1.1	8
33	On the Occurrence of Magnesium Phosphates on Ivory. <i>Studies in Conservation</i> , 2002, 47, 155-160.	1.1	10
34	The crystal structure of barstowite, $\text{Pb}_4\text{Cl}_6(\text{CO}_3) \cdot \text{H}_2\text{O}$ , determined on crystals from Etruscan slags and from a Late-Hellenistic shipwreck. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2000, 215, 110-113.	0.8	2
35	WHY NOT TO BLEACH IVORY WITH AMMONIACAL HYDROGEN PEROXIDE. <i>Studies in Conservation</i> , 2000, 45, 9-9.	1.1	0
36	The Use of Sulphur in Hollow Ancient Gold Objects. <i>Journal of Archaeological Science</i> , 1999, 26, 1089-1092.	2.4	0

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37	The identification of high-lead glass using simple methods. <i>The Conservator</i> , 1998, 22, 12-16.	0.2	0
38	Barstowite as a Corrosion Product on a Lead Object from the Mahdia Shipwreck. <i>Studies in Conservation</i> , 1997, 42, 176.	1.1	1
39	Barstowite as a corrosion product on a lead object from the Mahdia shipwreck. <i>Studies in Conservation</i> , 1997, 42, 176-180.	1.1	5
40	On the origin of a gilding method of the Baghdad silversmiths. <i>Gold Bulletin</i> , 1995, 28, 12-16.	2.7	2
41	Electrochemical reactions of propylenecarbonate and electrolytes solved therein—a dems study. <i>Electrochimica Acta</i> , 1986, 31, 1443-1448.	5.2	86