# Eric F Doehne

List of Publications by Year
in descending order



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|---|---|---|---|
| 38 papers | 1,887 citations | 430442 18 h-index | 414034 32 g-index |
| 38 all docs | 38 docs citations | 38 times ranked | 1525 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Salt weathering: influence of evaporation rate, supersaturation and crystallization pattern. Earth Surface Processes and Landforms, 1999, 24, 191-209. | 1.2 | 505 |
| 2 | How does sodium sulfate crystallize? Implications for the decay and testing of building materials. Cement and Concrete Research, 2000, 30, 1527-1534. | 4.6 | 347 |
| 3 | Salt weathering: a selective review. Geological Society Special Publication, 2002, 205, 51-64. | 0.8 | 136 |
| 4 | Effects of ferrocyanide ions on NaCl crystallization in porous stone. Journal of Crystal Growth, 2002, 243, 503-516. | 0.7 | 112 |
| 5 | Pre-columbian nanotechnology: reconciling the mysteries of the maya blue pigment. Applied Physics A: Materials Science and Processing, 2007, 90, 3-7. | 1.1 | 88 |
| 6 | Origins of honeycomb weathering: The role of salts and wind. Bulletin of the Geological Society of America, 1999, 111, 1250-1255. | 1.6 | 81 |
| 7 | A review of selected inorganic consolidants and protective treatments for porous calcareous materials. Studies in Conservation, 2003, 48, 13-25. | 0.6 | 62 |
| 8 | The evaluation of crystallization modifiers for controlling salt damage to limestone. Journal of Cultural Heritage, 2002, 3, 205-216. | 1.5 | 59 |
| 9 | Influencing Crystallization Damage in Porous Materials through the Use of Surfactants:Â Experimental Results Using Sodium Dodecyl Sulfate and Cetyldimethylbenzylammonium Chloride. Langmuir, 2000, 16, 947-954. | 1.6 | 47 |
| 10 | Treatment of rising damp and salt decay: the historic masonry buildings of Adelaide, South Australia. Materials and Structures/Materiaux Et Constructions, 2009, 42, 827-848. | 1.3 | 43 |
| 11 | Can drying and re-wetting of magnesium sulfate salts lead to damage of stone?. Environmental Earth Sciences, 2011, 63, 1463-1473. | 1.3 | 42 |
| 12 | Deterioration of dolostone by magnesium sulphate salt: An example of incompatible building materials at Bonaval Monastery, Spain. Construction and Building Materials, 2009, 23, 846-855. | 3.2 | 41 |
| 13 | A New Quantitative Method for the Non-Invasive Documentation of Morphological Damage in Paintings Using RTI Surface Normals. Sensors, 2014, 14, 12271-12284. | 2.1 | 39 |
| 14 | Carbon and Oxygen Isotope Stratigraphy of the Upper Maastrichtian, Zumaya, Spain: A Record of Oceanographic and Biologic Changes at the End of the Cretaceous Period. Palaios, 1986, 1, 87. | 0.6 | 38 |
| 15 | The Role of Sepiolite-Palygorskite in the Decay of Ancient Egyptian Limestone Sculptures. Clays and Clay Minerals, 1998, 46, 414-422. | 0.6 | 36 |
| 16 | A new correction method for highâ€resolution energyâ€dispersive xâ€ray analyses in the environmental scanning electron microscope. Scanning, 1997, 19, 75-78. | 0.7 | 36 |
| 17 | The Cretaceous/Tertiary boundary carbon and oxygen isotope stratigraphy, diagenesis, and paleoceanography at Zumaya, Spain. Paleoceanography, 1987, 2, 361-377. | 3.0 | 34 |
| 18 | CHARACTERIZATION OF CORAL RED SLIPS ON GREEK ATTIC POTTERY*. Archaeometry, 2009, 51, 383-396. | 0.6 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Charge Contrast: Some ESEM Observations of A New/Old Phenomenon. Microscopy and Microanalysis, 1998, 4, 292-293. | 0.2 | 14 |
| 20 | SOLDERING WITH GOLD ALLOYS IN ANCIENT SOUTH AMERICA: EXAMINATION OF TWO SMALL GOLD STUDS FROM ECUADOR. Archaeometry, 1990, 32, 183-190. | 0.6 | 13 |
| 21 | Trace-element geochemistry and mineralogy of the Cretaceous/Tertiary boundary; Identification of extraterrestrial components. Special Paper of the Geological Society of America, 1990, , 367-382. | 0.5 | 12 |
| 22 | ESEM Applications: From Cultural Heritage Conservation to Nano-Behaviour. Mikrochimica Acta, 2006, 155, 45-50. | 2.5 | 12 |
| 23 | Some New Analytical Techniques for Use in Conservation. Journal of the American Institute for Conservation, 1994, 33, 171. | 0.2 | 11 |
| 24 | Sales de sulfato magnÃ©sico y materiales de edificios histÃ³ricos: simulaciÃ³n experimental de laminaciones en calizas mediante ciclos de humedad relativa y cristalizaciÃ³n de sales. Materiales De Construccion, 2008, 58, . | 0.2 | 11 |
| 25 | Measuring changes in cultural heritage objects with Reflectance Transformation Imaging. , 2013, , . | | 10 |
| 26 | Some New Analytical Techniques for use in Conservation. Journal of the American Institute for Conservation, 1994, 33, 171-184. | 0.2 | 8 |
| 27 | A critical evaluation of the environmental scanning electron microscope for the analysis of paint fragments in art conservation. Fresenius' Journal of Analytical Chemistry, 1994, 348, 402-410. | 1.5 | 7 |
| 28 | Dynamic Studies of Materials Using the Environmental Scanning Electron Microscope. Materials Research Society Symposia Proceedings, 1990, 185, 31. | 0.1 | 4 |
| 29 | ESEM Development and Application in Cultural Heritage Conservation. , 1997, , 45-62. | | 4 |
| 30 | Applications of Environmental Scanning Electron Microscopy in Art Conservation and Archaeology. Materials Research Society Symposia Proceedings, 1990, 185, 23. | 0.1 | 3 |
| 31 | Charge Contrast Imaging (CCI) in the Environmental Scanning Electron Microscope: Optimizing Operating Parameters for Calcite. Microscopy and Microanalysis, 2001, 7, 780-781. | 0.2 | 3 |
| 32 | Surface shape studies of the art of Paul Gauguin. , 2015, , . | | 3 |
| 33 | Conservation Studies on Limestone from the Maya Site at Xunantunich, Belize. Materials Research Society Symposia Proceedings, 1995, 352, 813. | 0.1 | 1 |
| 34 | Rediscovering Ancient Technology: Microbeam Analysis of Han Purple. Microscopy and Microanalysis, 2004, 10, 910-911. | 0.2 | 1 |
| 35 | Combined ESEM and CT Scan: The Process of Salt Weathering. Microscopy and Microanalysis, 2005, 11, . | 0.2 | 1 |
| 36 | ESEM and Video Microscopy Studies in Stone Conservation. Microscopy and Microanalysis, 1997, 3, 613-614. | 0.2 | 0 |

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|---|---|---|---|
| 37 | In-Situ Characterization of Micro and Nanoscale Kinetics by Variable Pressure Electron Microscopy I: Quantifying the Environment. Microscopy and Microanalysis, 2004, 10, 1056-1057. | 0.2 | 0 |
| 38 | Electron Skirts and X-ray Correction: Evaluating Methods for Rapid Discrimination of Primary versus Secondary X-ray Signals in the ESEM. Microscopy and Microanalysis, 2005, 11, . | 0.2 | 0 |