

Thomas F Lam

List of Publications by Year in descending order

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36
papers

502
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758635

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#	ARTICLE	IF	CITATIONS
1	Observations from the Analysis of the Gelatin Silver Emulsion Layer of Glass Photographic Inter-Positive Plates from Eadweard Muybridge's Animal Locomotion Series at the National Museum of American History. <i>Journal of the American Institute for Conservation</i> , 2022, 61, 237-253.	0.2	1
2	Major to trace element imaging and analysis of iron age glasses using stage scanning in the analytical dual beam microscope (tandem). <i>Heritage Science</i> , 2022, 10, .	1.0	3
3	Preserving the Legacy of an Artist and Conservator: Technical Study of Paintings by Felrath Hines in the Collection of the National Museum of African American History and Culture. <i>Journal of the American Institute for Conservation</i> , 2021, 60, 32-49.	0.2	0
4	A dual beam SEM-based EDS and micro-XRF method for the analysis of large-scale Mesoamerican obsidian tablets. <i>Journal of Archaeological Science: Reports</i> , 2021, 35, 102781.	0.2	2
5	Case Study of SEM-EDS Cross-Sections to Assist in Understanding p-XRF Results from William H. Johnson Paintings. <i>Microscopy and Microanalysis</i> , 2021, 27, 3204-3206.	0.2	0
6	Microanalysis of Glass Fluid Storage Vials from The Invertebrate Zoology Collection at the National Museum of Natural History. <i>Microscopy and Microanalysis</i> , 2021, 27, 3208-3210.	0.2	1
7	Elemental Mapping of Jade by pXRF and SEM-based Micro-XRF: A Comparative Study. <i>Microscopy and Microanalysis</i> , 2021, 27, 2556-2558.	0.2	0
8	Comparison of quantification from field deployable pXRF and laboratory based-micro-XRF within an SEM of Cu-based alloys. <i>Microscopy and Microanalysis</i> , 2021, 27, 3200-3202.	0.2	0
9	Quantitative Analysis of Obsidian and Determination of Source Provenance Using an Analytical Dual Beam SEM. <i>Microscopy and Microanalysis</i> , 2021, 27, 2560-2563.	0.2	1
10	Nondestructive Microanalysis of Thin-Film Coatings on Historic Metal Threads. <i>Analytical Chemistry</i> , 2021, 93, 12906-12913.	3.2	1
11	Characterization of Zinc Carboxylates in an Oil Paint Test Panel. <i>Studies in Conservation</i> , 2020, 65, 14-27.	0.6	15
12	Examination of Heritage and Geological Materials Using Correlated Electron- and X-ray-Beam Microanalysis in the SEM. <i>Microscopy and Microanalysis</i> , 2019, 25, 2482-2483.	0.2	0
13	An easy-to-use method for preparing paint cross sections. <i>Journal of the American Institute for Conservation</i> , 2019, 58, 123-131.	0.2	5
14	Harden up: metal acquisition in the weaponized ovipositors of aculeate hymenoptera. <i>Zoomorphology</i> , 2018, 137, 389-406.	0.4	9
15	Microfadeometry of Face-Mounted and Unmounted Chromogenic Photographs. <i>Microscopy and Microanalysis</i> , 2018, 24, 2144-2145.	0.2	0
16	Microfadeometry of Miss Breme Jones Watercolor with Iron-gall Ink Inscriptions. <i>Microscopy and Microanalysis</i> , 2018, 24, 2170-2171.	0.2	0
17	Characterization of Zinc Soap from an Accelerated Aged Oil Painting Test Panel. <i>Microscopy and Microanalysis</i> , 2018, 24, 2158-2159.	0.2	1
18	Compositional Imaging and Analysis of Late Iron Age Glass from the Broborg Vitrified Hillfort, Sweden. <i>Microscopy and Microanalysis</i> , 2018, 24, 2134-2135.	0.2	2

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19	Photoluminescence Spectroscopy of ZnO and TiCh Pigments. <i>Microscopy and Microanalysis</i> , 2018, 24, 2150-2151.	0.2	0
20	Microscopic Identification of Micro-Organisms on Pre-Viking Swedish Hillfort Glass. <i>Microscopy and Microanalysis</i> , 2018, 24, 2136-2137.	0.2	1
21	Impact of UV irradiation on multiwall carbon nanotubes in nanocomposites: Formation of entangled surface layer and mechanisms of release resistance. <i>Carbon</i> , 2017, 116, 191-200.	5.4	43
22	Rapid Large-Scale Assembly and Pattern Transfer of One-Dimensional Gold Nanorod Superstructures. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 25513-25521.	4.0	27
23	Determination of Major, Minor, and Trace Elements in Jadeite using Scanning micro-X-ray Fluorescence. <i>Microscopy and Microanalysis</i> , 2017, 23, 1008-1009.	0.2	1
24	Spectroscopic Investigations of the Structure of Graphitic Carbon Nitrides for H ₂ Storage. <i>Microscopy and Microanalysis</i> , 2016, 22, 1668-1669.	0.2	0
25	Giant Surface Conductivity Enhancement in a Carbon Nanotube Composite by Ultraviolet Light Exposure. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 23230-23235.	4.0	13
26	Self-Assembled Peptide-Polyfluorene Nanocomposites for Biodegradable Organic Electronics. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500265.	1.9	35
27	Nitrogen-doped carbon-TiO ₂ composite as support of Pd electrocatalyst for formic acid oxidation. <i>Journal of Power Sources</i> , 2015, 284, 186-193.	4.0	35
28	The Evolution of Carbon Nanotube Network Structure in Unidirectional Nanocomposites Resolved by Quantitative Electron Tomography. <i>ACS Nano</i> , 2015, 9, 6050-6058.	7.3	62
29	3D TEM Tomography of Templated Bilayer Films of Block Copolymers. <i>Advanced Functional Materials</i> , 2014, 24, 7689-7697.	7.8	22
30	Methods to assess the impact of UV irradiation on the surface chemistry and structure of multiwall carbon nanotube epoxy nanocomposites. <i>Carbon</i> , 2014, 69, 194-205.	5.4	105
31	Dielectric Characterization by Microwave Cavity Perturbation Corrected for Nonuniform Fields. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2014, 62, 2149-2159.	2.9	43
32	Miniature all-solid-state heterostructure nanowire Li-ion batteries as a tool for engineering and structural diagnostics of nanoscale electrochemical processes. <i>Nanoscale</i> , 2014, 6, 11756-11768.	2.8	19
33	Three dimensional cluster distributions in processed multi-wall carbon nanotube polymer composites. <i>Polymer</i> , 2014, 55, 3270-3277.	1.8	9
34	Multimode STEM Imaging and Tomography of Radial Heterostructure Nanowire Li-Ion Mini-Batteries. <i>Microscopy and Microanalysis</i> , 2014, 20, 426-427.	0.2	1
35	EFTEM Study of a Carbon Nanostructure Composite. <i>Microscopy and Microanalysis</i> , 2012, 18, 1530-1531.	0.2	1
36	Phase Equilibria in Synthetic Coal-Petcoke Slags (Al ₂ O ₃ -CaO-FeO-SiO ₂ -V ₂ O ₃) under 2.5 Simulated Gasification Conditions. <i>Energy & Fuels</i> , 2011, 25, 3298-3306.	2.5	44