

ESEM Bibliography

	Author(s)	Title	
	Robert K. Pope and Raymond Scheetz,	Colonization Of Copper Surfaces By Sulfate-Reducing	Brenda Little, Patricia Wagner, and Richard Ray, Naval Oceanographic and Atmospheric Research Laboratory, Proceedings of SCANNING 91, 1-93.
163	Klaus-Reudiger Peters, David G. Rhodes, Roderike Pohl,	Chemical Cryo-stabilization of Lipid Monolayers and Bilayers	Scanning Vol. 13, Supplement I, 1991.
165	S. Mehta, ARCO Oil & Gas Co., SPE Member,	Imaging of Wet Specimens in Their Natural State Using Environmental Scanning Electron Microscope (ESEM): Some Examples of Importance to Petroleum Technology	SPE 22864, Copyright 1991. Society of Petroleum Engineers Inc.
167	B. Little, P. Wagner, J. F. Mansfield,	Microbiologically influenced corrosion of metals and alloys	© 1991 The Institute of Metals and ASM International. International Materials Review, 1991 Vol. 36 No. 6, pp. 253-272.
171	K.-R. Peters, L.A. Firstein, A. Noz,	Environmental SEM and Conventional SEM Imaging of Electron-Sensitive Resist: Contrast Quality and Metrological Applications	Microelectronic Engineering 17 (1992), pp. 455-458, Elsevier.
172	K.-R. Peters,	Principles of Low Vacuum Scanning Electron Microscopy	Molecular Imaging Laboratory, Biomolecular Structure Analysis Center, University of Connecticut, Farmington, CT 06030-2017.
173	Anthony D'Emanuele,, Ph.D.,	ESEM - A New Research Tool In Pharmaceutical Science.	
174	Anthony D'Emanuele, Joseph Kost, Jennifer Hill, Robert Langer,	An Investigation of the Effects of Ultrasound on Degradable Polyhydride Matrices.	© 1992 by the American Chemical Society and Reprinted by permission from Macromolecules, 1992, 25.
175	Patricia A. Wagner, Brenda J. Little, Richard I. Ray, Naval Oceanographic and Atmospheric Research Laboratory, Joanne Jones-Meehan, Naval Surface Warfare Center,	Investigations of Microbiologically Influenced Corrosion Using Environmental Scanning Electron Microscopy.	Corrosion '92 The NACE Annual Conference and Corrosion Show, Paper #185.
176	Patricia A. Wagner, Brenda J. Little, Richard I. Ray, Raymond Scheetz, Robert Pope,	Biofilms: an ESEM evaluation of artifacts introduced during SEM preparation.	Journal of Industrial Microbiology, 8, 1991, pp. 213-222, Elsevier
177	Sudhir Mehta,	Environmental Scanning Electron Microscope (ESEM): A New Imaging and Analysis Technique of Reservoir Rocks	ARCO, SPE22864, © 1991 SPE Annual Technical Conference in Dallas.
178	Howard S. Kaufman*, Keith D. Lillemoe*, John T. Mastovich**, and Henry A.	Environmental Scanning Electron Microscopy Of Fresh Human Gallstones	G.W. Bailey. J. Bentley, and J. A. Small. Editors, Proc. 50th Annual Meeting of the Electron Microscopy Society of America.



	Pitt* *Department of Surgery, The Johns Hopkins Medical Institutions, Baltimore, Maryland and **Fisons Instruments, Danvers, Massachusetts,	Reveals New Morphologies Of Precipitated Calcium Salts,	Held jointly with the 27th Annual Meeting of the Microbeam Analysis Society and the 19th Annual Meeting of the Microscopical Society of Canada/Société de Microscopie du Canada Copyright © 1992 by EMSA. Published by San Francisco Press. Inc.- Box 426800. San Francisco, CA 94142-6800, USA
179	Robert J. Koestler, Norman Indictor, and Richard Harneman,	Ancient Near Eastern Ivories Imaged and Analyzed with Environmental Scanning Electron Microscopy and Conventional Scanning Electron Microscopy.,	The Metropolitan Museum of Art, New York, NY and Brooklyn College, CUNY, Brooklyn, NY
180	Hemant S. Betrabet, J.K. McKinlay, S.B. McGee,	Dynamic Observations of Sn-Pb Solder Reflow in a Hotstage Environmental Scanning Electron Microscope.	
181	E.R. Prack, C.J. Raleigh,	Environmental SEM in the Characterization of Electronics Industry Process.,	Corporate Mfg. Research Center, Motorola Inc., Schaumberg, Ill 60196
183	J.C. Baker, P.J.R. Uwins, I.D.R. Mackinnon,	ESEM Study of Authigenic Chlorite Acid Sensitivity in Sandstone Reservoirs	Journal of Petroleum Science and Engineering, March 1992.
184	J.C. Baker, P.J.R. Uwins, I.D.R. Mackinnon,	ESEM Study of Illite-smectite freshwater sensitivity in sandstone reservoirs,	Journal of Petroleum Science and Engineering, June 1992.
185	H. M. Wallace, P.J.R. Uwins and C. A. McConchiel,	Investigation of pollen-stigma interactions in Macadamia and Grevillea using ESEM,	Department of Entomology, University of Queensland, St. Lucia, Qld 4072, Australia, Electron Microscope Centre, University of Queensland, St. Lucia, Qld 4072, Australia, CSIRO Division of Horticulture, 306 Carmody Rd, St. Lucia, Qld 4067, Australia
186	O'Brien, G.P, Webb, R.I. Uwins P.J.R., Desmarchelier P.M., Imrie B.C.,	Suitability Of The Environmental Scanning Electron Microscope For Studies Of Bacteria On Mungbean Seeds,	Department of Microbiology, University of Queensland, QLD 4072., Tropical Health Program, University of Queensland. Centre for Microscopy and Microanalysis, University of Queensland, CSIRO Division of Tropical Crops and Pastures, Cunningham Laboratory, Qld 4067.
187	M.J. Klose, R.I. Webb, D.S. Teakle,	Studies on the Association of Tobacco Steak Virus and Pollen Using an Environmental Scanning Electron Microscope (ESEM) and Molecular Distillation Technique.,	Department of Microbiology and Centre for Microscopy and Microanalysis, University of Queensland, QLD 4072.
200	Danilatos, G.D. , and Robinson, V.N.E. (1979)	Principles of scanning electron microscopy at high pressures.	Scanning 2:72-82.
201	Danilatos, G.D. (1980a)	An atmospheric scanning electron microscope (ASEM).	Scanning 3:215-217.
202	Danilatos, G.D. (1980b)	An atmospheric scanning electron microscope (ASEM).	Sixth Australian Conference on Electron Microscopy and Cell Biology, Melbourne (18-22 February, 1980), Proc. in Micron 11:335-336.

203	Danilatos, G.D., Robinson, V.N.E., and Postale, R. (1980)	An environmental scanning electron microscope for studies of wet wool fibers.	Proc. Sixth Quinquennial Wool Textile Research Conference (26 Aug.-3 Sept., 1980), Pretoria, II:463-471.
204	Danilatos, G.D. (1981a)	The examination of fresh or living plant material in an environmental scanning electron microscope.	J. Microsc. 121:235-238.
205	Danilatos, G.D. (1981b)	Design and construction of an atmospheric or environmental SEM	(part 1). Scanning 4:9-20.
206	Danilatos, G.D., Loo, S.K., Yeo, B.C. and McDonald, A. (1981)	Environmental and atmospheric scanning electron microscopy of biological tissues.	19th Annual Conference of Anatomical Society of Australia and New Zealand, Hobart, J. Anatomy 133:465.
207	Danilatos, G.D., and Postale, R. (1982a)	Advances in environmental and atmospheric scanning electron microscopy.	Proc. Seventh Australian Conf. El. Microsc. and Cell Biology, Micron 13:253-254.
208	Danilatos, G.D., and Postale, R. (1982b)	The environmental scanning electron microscope and its applications.	Scanning Electron Microscopy 1982:1-16.
209	Danilatos, G.D., and Postale, R. (1982c)	The examination of wet and living specimens in a scanning electron microscope.	Proc. Xth Int. Congr. El. Microsc., Hamburg, 2:561-562.
210	Danilatos, G.D. (1983a)	Gaseous detector device for an environmental electron probe microanalyzer.	Research Disclosure No. 23311:284.
211	Danilatos, G.D. (1983b)	A gaseous detector device for an environmental SEM.	Micron and Microscopica Acta 14:307-319.
212	Danilatos, G.D., and Postale, R. (1983)	Design and construction of an atmospheric or environmental SEM-2.	Micron 14:41-52.
213	Danilatos, G.D. (1984)	The gas as a detection medium in the environmental SEM.	Eighth Australian Conference on Electron Microscopy, Brisbane, Australian Academy of Science, Abstracts:9.
214	Danilatos, G.D., and Brancik, J.V. (1984)	A microinjector system in the environmental SEM.	Eighth Australian Conference on Electron Microscopy, Brisbane, Australian Academy of Science, Abstracts:34.
215	Danilatos, G.D., Denby, E.F., and Algie, J.E. (1984)	The effect of relative humidity on the shape of <i>Bacillus apiarius</i> spores.	Current Microbiology 10:313-316.
216	Danilatos, G.D. (1985)	Design and construction of an atmospheric or environmental SEM	(part 3). Scanning 7:26-42.
217	Danilatos, G.D., and Brooks, J.B. (1985)	Environmental SEM in wool research present state of the art.	Proc. 7th Int. Wool Textile Research Conference, Tokyo, I:263-272.
218	Danilatos, G.D. (1986a)	Environmental and atmospheric SEM - an update.	Ninth Australian Conference on Electron Microscopy, Australian Academy of Science, Sydney, Abstracts:25.
219	Danilatos, G.D. (1986b)	Color micrographs for backscattered electron signals in the SEM.	Scanning 8:9-18.
221	Danilatos, G.D. (1986d)	Improvements an the gaseous detector device.	Proc. 44 Annual Meeting EMSA:630-631.

222	Danilatos, G.D. (1986e)	ESEM - A multipurpose surface electron microscope.	Proc. 44th Annual Meeting EMSA:632-633.
223	Danilatos, G.D. (1986f)	Beam-radiation effects on wool in the ESEM.	Proc. 44th Annual Meeting EMSA:674-675.
224	Danilatos, G.D. (1986g)	Specifications of a prototype environmental SEM.	Proc. XIth Congress on Electron Microscopy, Kyoto, I:377-378.
225	Danilatos, G.D. (1986h)	Cathodoluminescence and gaseous scintillation in the environmental SEM.	Scanning 8:279-284.
226	Danilatos, G.D., and Brancik, J.V. (1986)	Observation of Liquid transport in the ESEM.	Proc. 44th Annual Meeting EMSA:678-679.
227	Danilatos, G.D. (1988a)	Foundations of Environmental Scanning Electron Microscopy.	Advances in Electronics and Electron Physics, Academic Press, Vol. 71:109-250.
228	Danilatos, G.D. (1988b)	Electron beam profile in the ESEM.	Proc. 46th Annual Meeting EMSA:192-193.
229	Danilatos, G.D. (1988c)	Contrast and resolution in the ESEM.	Proc. 46th Annual Meeting EMSA:222-223.
230	Danilatos, G.D. (1989a)	Surface chemistry in the ESEM.	Pittsburgh Conference and Exposition (Atlanta) 1989, Abstracts, paper No. 360.
231	Danilatos, G.D. (1989b)	Environmental SEM: a new instrument, a new dimension.	Proc. EMAG-MICRO 89, Inst. Phys. Conf. Ser. No 98, Vol. 1:455-458. (also Abstract in: Proc. Roy. Microsc. Soc. Vol. 24, Part 4, p. S93).
232	Richard Harneman	ESEM Uses Vacuum Gradients to Examine Wet and Uncoated Nonconductive Samples,	Research & Development September 1988 © 1988 Cahners Publishing Company
233	Danilatos, G.D. (1990a)	Design and construction of an environmental SEM	(part 4). Scanning 12:23-27. (originally submitted , Nov. 1987)
234	Danilatos, G.D. (1990b)	Fundamentals of environmental SEM.	Eleventh Australian Conf. El. Microsc., University of Melbourne, Abstracts.
235	Danilatos, G.D. (1990c)	Theory of the Gaseous Detector Device in the ESEM.	Advances in Electronics and Electron Physics, Academic Press, Vol. 78:1-102.
236	Klaus-Ruediger Peters,	Surface Imaging of the Natural Air Interface of Hydrated Lung Tissue,	Molecular Imaging Laboratory, Dept. of Radiology Biomolecular Structure Analysis Center, University of Connecticut Health Center, Farmington, CT
237	Klaus-Ruediger Peters,	Introduction to the Technique of Environmental Scanning Electron Microscopy,	Molecular Imaging Laboratory, Dept. of Radiology Biomolecular Structure Analysis Center, University of Connecticut Health Center, Farmington, CT
238	Danilatos, G.D. (1990f)	Detection by induction in the environmental SEM. Electron Microscopy	1990, Proc. XIIth Int. Confer. El. Microsc. (Ed. Peachey and Williams), San Francisco Press, Vol. 1:372-373.
239	Danilatos, G.D. (1991a)	Review and outline of environmental SEM at present.	J. Microsc. 162:391-402.
240	Danilatos, G.D. (1991b)	Gas flow properties in the environmental SEM.	Microbeam Analysis-1991 (Ed. D G Howitt), San Francisco Press, San Francisco:201-203.
241	Danilatos, G.D. (1992b)	Gas flow in the ESEM	Proc. ACEM-12 & ANZSCB-11 Univ. of Western Australia, Perth:57.
242	Danilatos, G.D. (1992b)	Gas flow in the	Proc. 50th Annual Meeting EMSA (Ed

		environmental SEM.	G.W. Bailey, J Bentley and JA Small), San Francisco Press, San Francisco:1298-1299.
243	Danilatos, G.D. (1992c)	Secondary-electron imaging by scintillating gaseous detection device.	Proc. 50th Annual Meeting EMSA (Ed G.W. Bailey, J Bentley and JA Small), San Francisco Press, San Francisco:1302-1303.
244	Danilatos, G.D. (1993a)	Environmental scanning electron microscope-some critical issues.	
245	Danilatos, G.D. (1993b)	Environmental scanning electron microscopy and microanalysis.	Mikrochimia Acta, submitted.
246	Danilatos, G.D. (1993c)	Environmental scanning electron microscope: A new tool for inspection and testing.	Jap.
			J. Appl. Phys. (submitted).
247	Danilatos, G.D. (1993d)	Universal ESEM.	Proc. 51st Annual Meeting EMSA, submitted.
248	Danilatos, G.D. (1993e)	An introduction to ESEM instrument.	Microsc. Res. Technique, in press
249	Danilatos, G.D. (1993f)	Biography of environmental scanning electron microscopy.	Microsc. Res. and Technique, in press
250	C.E. Jordan and A.R Marder,	A Model For Galvanneal Morphology Development The Physical Metallurgy of Zinc Coated Steel.	
251	Weiyong Tao and Billie J. Collier.	The Environmental Scanning Electron Microscope: A new Tool for Textile Studies	
252	Y.Xi, T.B. Bergstrom and H.M. Jennings,	Image intensity Matching Technique:Application to the Environmental Scanning Electron Microscope	Computational Materials Science 2 (1994) 249-260
253	P. Forsberg and P. Lepoutre,	ESEM Examination of Paper In High Moisture Environment: Surface Structural Changes and Electron Beam Damage.	Scanning Microscopy 8 (1)
254	P. Forsberg and P. Lepoutre,	ESEM Examination of the roughening of paper in high moisture environment.	Presented at the 1993 PTS Symposium in Munich, Germany
255	L. Mott, S.M. Shaler, L.H. Groom,	The Tensile Testing of Individual Wood Fibers Using Environmental Scanning Electron Microscopy and Video Image Analysis.	Submitted to TAPPI Journal
256	G.D. Danilatos,	Introduction to the ESEM,	Instrument Microscopy Research and Vol. 25, #5&6
256	R.E. De La Para,	A Method to Detect Variations in the Wetting Properties of Microporous Polymer Membranes.	Microscopy Research and Technique 25:362-373 (1993)

257	P. Messier and M. Vitale,	Cracking in Albumen Photographs: An ESEM Investigation.	Microscopy Research and Technique 25:374-383
258	J.H. Rask, J.E. Flood, J.K. Borchardt, and G.A. York	The ESEM Used to Image Crystalline Structures of Polymers and to Image Ink on Paper.	Microscopy Research and Technique 25:384-392.
259	S.P. Collins, R.K. Pope, R.W. Scheetz, R.I Ray, P.A. Wagner, B.J.	Little Advantages of Environmental Scanning Electron Microscopy in Studies of Micro organisms.	Microscopy Research and Technique 25:398-405
260	L.M. Egerton-Warburton, B.J. Griffin, and J. Kuo	Microanalytical studies of Metal Localization in Biological Tissues by Environmental SEM.	Microscopy Research and Technique 25:406-411
261	P.J.R. Uwins, M. Murray, and R.J. Gould	Effects of Four Different Processing Techniques on the Microstructure of Potatoes: Comparison with Fresh Samples in the ESEM	Microscopy Research and Technique 25:413-418
262	L.C. Gilbert and R.E. Doherty,	Using ESEM and SEM to compare the Performance of Dentin conditioners	Microscopy Research and Technique 25:419-423
263	S.L. Geiger, T.J. Ross, and L.L. Barton	Environmental Scanning electron Microscope (ESEM) Evaluation of Crystal and Plaque Formation Associated with Biocorrosion	Microscopy Research and Technique 25:429-433
264	L.F. Keyser and Ming-Taun Leu,	Morphology of Nitric Acid and Water Ice Films	Microscopy Research and Technique 25:434-438
265	H.E. Nuttall and R. Kale,	Application of ESEM to Environmental Colloids	Microscopy Research and Technique 25:439-446
266	Hyung-Min Choi and J.P. Moreau,	Oil Sorption Behavior of Various Sorbents Studied by Sorption Capacity Measurement and Environmental Scanning Electron Microscopy	Microscopy Research and Technique 25:447-455
267	Chao Lung Hwang, Ming Liang Wang, and Shuke Miao	Proposed Healing and Consolidation Mechanisms of Rock Salt Revealed by ESEM	Microscopy Research and Technique 25:456-464
268	P.J.R. Uwins, J.C. Baker, and I.D.R. Mackinnon	Imaging Fluid/Solid Interactions in Hydrocarbon Reservoir Rocks	Microscopy Research and Technique 25:465-473
269	P.W. Brown, J.R. Hellmann, and M. Klimkiewicz,	Examples of Evolution of Microstructure in Ceramics and Composites	Microscopy Research and Technique 25:474-486
270	E.R. Prack,	An Introduction to Process Visualization Capabilities and Considerations in the Environmental Scanning Electron Microscope (ESEM)	Microscopy Research and Technique 25:487-492
271	N. Koopman,	Application of ESEM to Fluxless Soldering	Microscopy Research and Techniques 25:493-502
272	K.W. Kirchner, G.K. Lucey, and J. Geis,	Copper/Solder Inter-metallic Growth Studies	Microscopy Research and Techniques 25:503-508



273	T.J. Singler, J.A. Clum, and E.R. Prack,	Dynamics of Soldering Reactions: Microscopic Observations	Microscopy Research and Technique 25:509-517
274	L.F. Link, W.R. Gerristead, JR., and S. Tamhankar,	Copper Thick Film Sintering Studies in an Environmental Scanning Electron Microscope	Microscopy Research and Technique 25:518-522
275	W.R. Gerristead, L.F. Link, R.C. Paciej, P. Damiani, and H. Li,	Environmental Scanning Electron Microscopy for Dynamic Corrosion Studies of Stainless Steel Piping Used in UHP Gas Distribution Systems	Microscopy Research and Technique 25:523-528
276	G.D. Danilatos,	Bibliography of Environmental Scanning Electron Microscopy	Microscopy Research and Technique 25:529-534
277	B. Caveny,	Cement Hydration Study Using the Environmental Scanning Electron Microscope	ICMA Proceedings
278	Robert Pope and Raymond W. Scheetz,	Dynamic Events Related to Humidity Changes on Botanical Samples Imaged with the Environmental SEM,	Dept. of Biological Sciences, University of Southern Mississippi, Hattisburg, MS 39406-5018
279	P.A. Wagner, B.J. Little, R.I. Ray,	Investigations of Microbiologically Influenced Corrosion Using Environmental Scanning Electron Microscopy	Corrosion '92, The National Association of Corrosion Engineers, #185.
280	P.A. Wagner, B.J. Little, R.I. Ray, Biofilms:	An ESEM Evaluation of Artifacts Introduced During SEM Preparation,	Naval Oceanographic and Atmospheric Research Laboratory, Stennis Space Center, MS 39529-5004
281	K.-R. Peters, L.A. Firstein, A. Noz,	Environmental SEM and Conventional SEM Imaging of Electron-Sensitive Resist: Contrast Quality and Metrological Applications,	Micro electric Engineering 17 (1992) 455-458 Elsevier Science Publishers B.V.
282	Sudhir Mehta, Richard Jones,	Cryogenics with Cement Microscopy Redefines Cement Behavior,	ARCO Exploration & Production Technology, Oil & Gas Journal, Oct. 3, 1994
283	H.S. Kaufman, K.D. Littlemoe, J.T. Mastovich, H.A. Pitt,	Environmental Scanning Electron Microscopy of Fresh Human Gallstones Reveals New Morphologies of Precipitated Calcium Salts.	G.W. Bailey, J. Bentley and J.A. Small, Editors, Proc 50th Annual Meeting of the Microbeam Analysis Society and the 19th Annual Meeting of the Microscopical Society of Canada, EMSA, San Francisco Press, 1992.
284	A. D'Emanuele, J. Kost, J.L. Hill, R. Langer,	An Investigation of the Effects of Ultrasound on Degradable Polyanhydride Matrices.,	American Chemical Society (1992) Macromolecules 25.
285	Wang Peiming, Li Pingjiang, Chen Zhiyuan,	Research on the Morphology of Cement Hydrates by SEM,	State Key Laboratory of Concrete Materials Research, Tongji University, Shanghai, 200092, China
286	Bill Caveny, Gant McPherson, Lance Brothers, Sudhir Mehta,	Crystal Phases of Cement Paste Cured in High Temperature CO2 Environment	
287	S. Mehta,	Imaging of Wet Specimens	(1991) Society of Petroleum Engineers



		in Their Natural State Using Environmental Scanning Electron Microscope (ESEM): Some Examples of Importance to Petroleum Technology.	Inc. SPE 22864
288	A.B.M. Simanjuntak, P.T. Caltex, L.L. Haynes,	ESEM Observations Coupled With Coreflood Tests Improve Matrix Acidizing Designs,	(1994) Society of Petroleum Engineers Inc.
289	L.L. Haynes,	ESEM: An emerging Technology for Determination of Fluid/Rock Interactions in Hydrocarbon Production.,	(1991) Texaco, EPTM TM# 91-186.
290	P.J.R Uwins	ESEM: Environmental Scanning Electron Microscopy	EIX 95-17 EIX95172606357 NDN - 017-0224-8612-8 (1994) Materials Forum v18 p51-75
291	J.E. Johnson	Microscopy Research and Technique,	Volume 25, Numbers 5 and 6, August 1993, Wiley Liss, A John Wiley & Sons, Inc., Publication.
292	Junhui Li; Pecht, M. Engel, P. A.; Chen, W. T.,	Dynamic investigation of thermal and sorptive effects on electronic packages -	
293	Read, O. T.; Dally, J. W. EDITOR- Engel, P. A.; Chen, W. T.,	Local strain measurement by electron beam moiré	-Proceedings of the 1993 ASME International Electronics Packaging Conference New York, NY, USA)
294	Bong Mo Park; Su Jin Chung,	Optical, electron microscopic, and X-ray topographic studies of ferroic domains in barium titanate crystals grown from high-temperature solution - Journal of the American Ceramic Society	(USA) VOL. 77 NO. 12 Dec. 1994 PP. 3193-201 31 references) Copyright 1995.
295	V.N.E. Robinson, ,B.W. Robinson ,	Materials Characterization in a Scanning Electron Microscope .	Environmental Cell, Scanning Electron Microscopy, Vol. 1, SEM Inc., AMF O'Hare IL 60666, USA
296	P.T. Miller, S.A. Farrington, L. Kovach, Petrographic	Thin-section and Scanning Electron Microscope Analysis of a Mortar Fabricated in a Microgravity Environment	Preliminary Studies., Master Builders Inc.
297	U. Landman, R. Nieminen,	Computational Materials Science,	Volume 2, No. 2, March 1994, Commat 2 (2) 213-412 (1994).Elsevier, ISSN 0927-0256
297a	A. Mahmoudi, B. Soudini, N. Amrane, B. Khelifa and H. Aourag	Conduction bond edges charge densities in Cdx Zn1-x S.	
297b	J. Kohanoff	Phonon spectra from short non-thermally equilibrated molecular dynamics simulations	
297c	D. Bourbie and K. Driss-Khodia	Transport of electronic excitations in disordered systems	
297d	J. Hutter, H.P. Lothi and M. Parrinello	Electronic structure optimization in plane-wave-based density functional calculations by direct inversion in the iterative subspace	



297e	Y. Xi, T.B. Bergstrom and H.M. Jennings	Image intensity matching technique: Application to the environmental scanning electron micro-scope
297f	K. Kokko, P.T. Salo and K. Mansikka	First principles study of the solute atom induced lattice distortion effects on bulk modulus and band structure in Li-alloys
297g	A. Fischer and A. Pyzalla-Schieck	Calculation of thermal micro residual stresses in materials containing coarse hard phases
297h	D. Faken and H. Johnsson	Systematic analysis of local atomic structure combined with 3D computer graphics
297i	M. Driz, N. Bodi, B. Soudini, N. Amrane, H. Abid, N. Bouarissa, B. Khelifa and H. Aourag	The alloying and pressure dependence of band gaps in GaAs and GoAsxP1-x
297j	M. Sluiter	Introducing distant interactions in the cluster variation method
297k	Chen Haoran, Yang Quangsan and F.W. Williams	A self-consistent finite element approach to the inclusion problem
297	I M.J.W. Greuter and L. Niesen	Molecular dynamics simulation of the lattice dynamics of solid Kr
297m	V. Vydra, K.M.A. El-Kader and V. Ch6b	Influence of variations of temporal pulse shape in excimer laser processing of semiconductors
297n	L.-W. Wang and A. Zunger	Large scale electronic structure calculations using the Lanczos method
297o	C.S. Wu and L. Dorn	Computer simulation of fluid dynamics and heat transfer in full-penetrated TIG weld pools with surface depression
297p	Ph. Lambin, L. Philippe, J.C. Charlier and J.P. Michenaud	Electronic band structure of multilayered carbon tubules
297q	H.-J. Unger	Theory of vacuum tunneling and its application to the scanning tunneling microscope
297r	H. Nara, T. Kobayasi, K. Takegahara, M.J. Cooper and D.N. Timms	Optimal number of directions in reconstructing 3D momentum densities from Compton profiles of semiconductors
297s	G. Tichy	Interaction potentials in metals
297t	J. Kudrnovski, V. Drchal, S.K. Bose, 1. Turek, P. Weinberger and A. Posturel	Electronic properties of random surfaces
297u	A. Qteish, R.J. Needs and V. Heine	Polarization, structural and electronic properties of SiC polytypes
297v	A. Qteish and R.J. Needs	Ab-initio pseudo potential calculations of the valence band offset at HgTe/CdTe, HgTe/InSb and CdTe/InSb interfaces: transitivity and orientation dependence
297w	A. Muhoz and K. Kunc	New phases and physical properties of the

		semiconducting nitrides: AlN, GaN, InN	
298 V	. N. E. Robinson,	The SEM Examination of Wet Specimens,	SCANNING Vol. 1, 149-156 (1978), Ó G.
			Witzstrock Publishing House Inc., Received: July 24, 1978, Faculty of Applied Science, The University of New South Wales, P. O. Box 1, Kensington, N.S.W., 2033, Australia
299	V.N.E. Robinson , Faculty of Applied Science, University, of New South Wales, PO Box 1, Kensington, N.S. W., 2033, Australia,	A simple technique for examining frozen hydrated specimens in the scanning electron microscope,	Journal of Microscopy, Vol. 104, Pt 3, August 1975, pp. 287-292.
300	V.N.E. Robinson , Faculty of Applied Science, University, of New South Wales, PO Box 1, Kensington, N.S. W., 2033, Australia,	A wet stage modification to a scanning electron microscope,	Journal of Microscopy, Vol. 103, Pt 1, January 1975, pp. 71-77.
301	Todd Bruce Bergstrom, An Environmental Scanning Electron Microscope (ESEM)	Investigation of Drying Cement Paste: Drying Shrinkage, Image Analysis, and Modeling.	Northwester University, Evanston IL, USA, December 1993, © 1993 T.B. Bergstrom
302	R.E. Cameron and A.M. Donald,	Minimizing Sample Evaporation In the Environmental Scanning Electron Microscope,	Polymers and Colloids Group, Cavendish laboratory, Madingley Road, Cambridge, CB3 0HE, United Kingdom
303	R.E. Cameron, University of Cambridge, Dept. of Materials Science and Metallurgy,	Environmental SEM: Principles and Applications,	Microscopy & Analysis , May 1994.
304	N. Baumgarten,	Environmental SEM Premieres,	Nature Vol., 341, No. 6237, pp. 81-82 7th September, 1989 © Macmillian Magazines Ltd. 1989
305	R. Mulvaney, E.W. Wolff, K. Oates,	Sulfuric acid at grain boundaries in Antarctic ice.	Nature Vol. 331, No. 6153, pp. 247-249, 21 January 1988 © Macmillian Magazines Ltd., 1988.
306	Leon F. Keyser, Ming- Taun Leu,	Surface Areas And Porosities Of Ices Used To Simulate Stratospheric Clouds.	Earth and Space Sciences Division Jet Propulsion Laboratory, California Institute of Technology, Pasadena, CA 91109.
307	Timothy J. Singler, James A. Clum, Dept. of Mechanical Engineering State University of New York at Binghamton, Edward Prack, Corporate Manufacturing Research Center, Motorola Inc., Schaumburg, IL 60196,	Microscopic Observations of Solder-Substrate Interactions.	
308	H.S. Betrabet, J.K. McKinlay and S.B. McGee,	Dynamic Observations of Sn-Pb Solder Reflow in a Hotstage Environmental Scanning Electron Microscope,	Philips Laboratories Briarcliff, © North American Philips Corporation, 1991, Document No. MS 91-021
309	John G. Sheehan, L.E.	Assessment of	Dept. of Chemical Engineering and

	Scriven,	Environmental Scanning Electron Microscopy for Coating Research,	Materials Science, University of Minnesota. 1991 Coating Conference.
310	P. Forsberg, P. Lepoutre,	Degradation of Pulp Papers Under Electron Beam,	University of Maine, Dept. of Chemical Engineering, Jenness Hall, Orono Maine 04469, Submitted to Nordic Pulp and Paper Research Journal.
311	P. Forsberg, P. Lepoutre,	A New Insight into the Fiberising Phenomena,	University of Maine, Dept. of Chemical Engineering, Jenness Hall, Orono Maine 04469, Nordic Pulp and Paper Research Journal No. 3/1992
312	H.C. Greenblatt, M. Dombroski, W. Klishevich, J. Kirkpatrick, I. Bajwa, W. Garrison, B.K. Redding,	Encapsulation and Controlled Release of Flavours and Fragrances,	Royal Society of Chemistry, 1993 V:138, pp. 148-1963
313	Brendon J. Griffin, Rachael L. Trautman, Jeanette Coffey,		Center for Microscopy and Microanalysis, The University of Western Australia., Nedlands, W.A. Australia 6009.
314	C.E. Kalnas, J.F. Mansfield, G.S. Was, J.W. Jones,	An in-situ bend fixture for deformation and fracture studies in the Environmental Scanning Electron Microscope.,	Materials Science and Engineering Department, University of Michigan, Ann arbor, MI 48109.
315	Po-Fu Huang, Barbara J. Turpin, Mike J Piphoo, David B. Kittleson, Peter H. McMurry,	Cloud Processing of Diesel Chain Agglomerates,	for submission to Journal of Aerosol Science, Particle Technology Laboratory, University of Minnesota, Minneapolis, MN 55455 Publication Number 875, August 1993.
316	Mehta, S. Jones, R., Chatterji, J. and McPherson, G.	Effects of amorphous and crystalline silica on phase chemistry, microstructure and strength of set cement at elevated temperatures.,	ARCO Exploration and Production Technology, Plano, Texas 75075, Halliburton Energy Services, Duncan, Oklahoma 73533
318	D.A. Lange, Sujata, K., and H.M. Jennings,	Characterization Of Cement-Water Systems,	Northwestern University, Evanston, IL
319	Hoyberg, K.; Knaggs, H.,	Environmental Scanning Electron Microscopy Of Microcomedones -	Proceedings - Annual Meeting, Microscopy Society of America 1994.. p 370-371 1994
320	Forsberg, Paivi; Lepoutre, Pierre,	ESEM Estimation Of The Roughening Of Paper In High Moisture Environment	-Proceedings of the International Printing and Graphic Arts Conference, 1994. TAPPI Press, Atlanta, GA, USA. p 229-236 1994 Univ. of Maine, Orono, ME, USA Proceedings of the International Printing and Graphic Arts Conference - Halifax, Canada. Proceedings of the International Printing and Graphic Arts Conference
321	Meredith, P., Donald, A.M., Luke, K.	Pre-Induction And Induction Hydration Of Tricalcium Silicate: An Environmental Scanning Electron Microscopy Study.	Journal of Materials Science V30 N8 Apr. 15, 1995. p 1921-1930
322	Belenii, I.; Ebrahimi, M.; Hascicek, Y. S.	Study of thermal expansion of Bi-2212/Ag tape conductors using ESEM	- INS Physica C (Netherlands) VOL. 247 NO. 3-4 1 June 1995 PP. 371-5 12 reference(s) ISSN- 0921-4534 CODENPHYCE6, - Nat. High Magnetic Field Lab., Tallahassee, FL, USA



			COPYRIGHT OF BIBLIOGRAPHIC- Copyright 1995, FIZ Karlsruhe
323	Gergova, Katia; Eser, Semih; Schobert, Harold H.; Klimkiewicz, Maria ;Brown, Paul W.	Environmental Scanning Electron Microscopy Of Activated Carbon Production From Anthracite By One-Step Pyrolysis-Activation	- EIX 95-37 EIX95372798448 NDN- 017-0234-8363-9 Fuel v 74 n 7 Jul 1995. p 1042-1048 1995 Article ISSN-0016-2361 CODEN-FUELAC AUTHORAFFILIATION-Pennsylvania State Univ, University Park, PA, USA
324	Albert Folch, Javier Tejada, Christopher H. Peters , Mark S. Wrighton,	Electron Beam Deposition Of Gold Nanostructures In A Reactive Environment,	2080 Appl. Phys. Lett. 66 (16), 17 April 1995 0003-6951/95/66(16)/2080/3/\$6.00 (D 1995 American Institute of Physics
325	Abe, T., Ohmori, ., Nikaido, H., Kimura, H., Ozawa, M., Kinbara, ., 1992,	Influence of ion beam irradiation on the structure and properties of dielectric thin films ,	Journal of the Vacuum Society of Japan, 35, 9, 773-80
326	Bower, N.W., Stulik, D.C., Doehne, E., D 1994,	A critical evaluation of the Environmental Scanning Electron Microscope for the analysis of paint fragments in art conservation,	J Fresenius J Anal Chem., 348, 5-6, 402-410, F .ih
327	Chen, J., Brooks, K.G. Udayakumar, K.R., Cross, L.E., D 1991,	Crystallization dynamics and rapid thermal processing of PZT thin films,	J Ferroelectric Thin Films II Symposium, E Edited by: Kingon, A.I , E Edited by: Myers, E.R, E Edited by: Tuttle, B, I Mater. Res. Soc, C Boston, MA, USA, P 33-8, S Ferroelectric Thin Films II Symposium
328	Danilatos, G.D., D 1990,	Equations of charge distribution in the environmental scanning electron microscope (ESEM)	J Scanning Microscopy V 4 N 4 P 799-823
329	Danilatos, G.D., D 1990,	Mechanisms of detection and imaging in the ESEM,	Journal of Microscopy V 1, P 9-19
330	Doehne, E., Stulik, D.C., D 1990,	Applications of the environmental scanning electron microscope to conservation science,	Scanning Microscopy, V 4, N 2, P 275-86
331	Doehne, Eric Stulik, Dusan 1991,	Dynamic studies of materials using the environmental scanning electron microscope,	Materials Research Society, 9800 McKnight Rd., Suite 327, Pittsburgh, P 31
332	Doehne, E., Bower, N.D., 1993	Empirical evaluation of the electron skirt in the environmental SEM: Implications for energy dispersive X-ray analysis,	Microbeam Analysis, V 2, supplement, P S35-36
333	Doehne, E.,Bower, N.D., 1993,	Experimental conditions for semi-quantitative SEM/EDS of painting, cross sections using the environmental scanning electron microscope,	Microbeam Analysis, V 2, supplement, P S39-40
334	Doehne, E., D 1994,	In situ dynamics of sodium sulfate hydration and dehydration in stone pores: Observations at high magnification using the environmental scanning electron microscope,	III International Symposium on the Conservation of Monuments in the Mediterranean Basin, E Fassina, V. E Ott, H., E Zezza, F., Soprintendenza ai Beni Artistici e Storici di Venezia, C Venice, Italy, P 143-150, In English



335	Farley, A.N., Shah, J.S., D 1990,	Primary considerations for image enhancement in high-pressure scanning electron microscopy.	1. Electron beam scattering and contrast, Journal of Microscopy, V 3 , P 379-88
336	Fujimaki, N., Kano, Y., Ishikawa, H., Ohmori, A., Kawata, S., D 1990,	Some Observations on Mouse-Tissues with the Environmental Scanning Electron-Microscope (ESEM),	Journal of Electron Microscopy, V 39, N 4, P 299-299
337	Huang, Po-Fu, Turpin, B.J., Piphoo, M.J., Kittelson, D.B., McMurry, P.H., 1994,	Effects of water condensation and evaporation on diesel chain-agglomerate morphology,	Journal of Aerosol Science, V 25, N 3, P 447-59
338	Kawata, S., D 1991,	[Environmental scanning electron microscope],	Journal of the Japan Society of Precision Engineering, 57, N 7, 1178-81
339	Kodaka, T., Debari, K., Sato, T., Tada, T., D 1991,	The Environmental Scanning Electron-Microscope (ESEM) Observation of Human Dentin,	Electron Microsc, 40 4, P 267-267, Journal Article
340	Kodaka, T., Toko, T., Debari, K., Hisamitsu, H., Ohmori, A., Kawata, S. D 1992,	Application of the Environmental SEM in Human Dentin Bleached With Hydrogen Peroxide Invitro,	Journal of Electron Microscopy, V 41, N 5, P 381-386
341	Kozuka, Y., Nakamura, A., Futaesaku, Y., Inoue, S., D 1991,	Dynamic Observations of Particulated Specimens Under ESEM - a Model Experiment Using Cryptomeria-Japonica Pollen Grain,	Electron Microsc., V 40, N 3, P 204-204
342	McDonough, C., Gomez, M.H., Lee, J.K., Waniska, R.D., Rooney, L.W., D 1993,	Environmental scanning electron microscopy evaluation of tortilla chip microstructure during deep-fat frying,	Journal of Food Science, V 58, N 1, P 199-213
343	Rodriguez, M.A., Chen, Bin-Jiang,, Snyder, R.L., D 1992,	The formation mechanism of textured YB ₂ Cu ₃ O ₇ -?,	Physica C, 195, N 1-2, P 185-94
344	Sarkar, S.L., Xu,,M. D 1992,	Preliminary Study of Very Early Hydration of Superplasticized C3A+, Gypsum by Environmental SEM,	Cement and Concrete Research, V 22 N 4, P 605-608, F .ih
345	Sayer, M., Nolan, P., Hansson, C.M., D 1993,	Scanning Electron Microscopy Without Pain - the Environmental SEM,	Canadian Ceramics Quarterly-Journal of the Canadian Ceramic Society, V 62, N 2, P 104-105 Reprint: QUEENS UNIV,DEPT MAT & MET ENGN KINGSTON K7L 3N6, ONTARIO CANADA
346	Stulik, Dusan, Doehne, Eric, D 1991,	Applications of environmental scanning electron microscopy in art conservation and archaeology,	Materials Research Society, 9800 McKnight Rd., Suite 327, Pittsburgh, V 185, P 23-30
347	Thaveeprungsriporn, V., Mansfield, J.F., Was, G.S., D 1994	Development of an economical electron backscattering diffraction system for an environmental	Journal of Materials Research, V 9, N 7, P 1887-94



		scanning electron microscope,	
348	Wight, S.A., Zeissler, C.J., D 1993,	Environmental Scanning Electron Microscope Imaging Examples Related to Particle Analysis,	Microscopy Research and Technique, V 25, N 5-6, P 393-397
349	Yamaguchi, T., Yanao, Y., D 1990,	Environmental Scanning Electron-Microscope,	Journal of Electron Microscopy, V 39, N 4, P 284-284
350	Yamaguchi, T., Kawata, S., Suzuki, S., Sato, T., A Sato, Yu, D 1993,	New linewidth measurement system using environmental scanning electron microscope technology,	6th International MicroProcess Conference, C Hiroshima, Japan, P 6277-80, S Japanese Journal of Applied Physics, Part 1 (Regular Papers & Short Notes)
351	Cameron, R. E., Donald, A. M., Journal of Microscopy, March 1994,	Minimizing sample evaporation in the environmental scanning electron microscope,	P 227-237.
352	Danilatos, G. D., XII International Congress for Electron Microscopy, D 1990, P. 372-373,	Detection by Induction in the Environmental SEM.	
353	Danilatos, G.D., Journal of Microscopy,	Mechanisms of detection and imaging in the ESEM,	V 160, October 1990, P 9-19.
354	Mehta, S., Jones, R., Caveny, B., Chatterji, J. McPherson, G. Environmental Scanning Electron Microscope (ESEM)	Examination of Individually hydrated Portland cement phases.	
355	Harner, A.L., Copeland, C.H., Grim, B.G.,	Destruction of Concrete By Fertilizers-Urea Ammonium Nitrate vs Concrete,	National Fertilizer and Environmental Research Center, Tennessee Valley Authority, Muscle Shoals, Alabama
356	Caveny, B., McPherson, G., Brothers, L., Mehta, S.,	Crystal Phases of Cement Paste Cured in High Temperature--CO2 Environment.	
357	Miller, P.T., Farrington, S.A., Kovach, L., Petrographic	Thin Section and Scanning Electron Microscope Analysis of a Mortar Fabricated in a Microgravity Environment: Preliminary Studies.	
358	Mehta, S., Jones, R. Chatterji, J. McPherson, G.,	Effects of amorphous and crystalline silica on phase chemistry, microstructure and strength of set cement at elevated.	
359	Peiming, W., Pingjiang, L. Zhiyuan, C.,	Research on the morphology of cement hydrates by SEM.	
360	Damidot, D., Sorrentino, F.,	Observation of the hydration of cement paste by ESEM: Care needed to study the early hydration,	St. Quentin, Fallavier Cedex, France.
361	Danilatos, G.D., Postle, R.,	The Time Temperature Dependence of the Complex Modulus of Keratin Fibers,	Journal of Applied Polymer Science, V. 28, P. 1221-1234, D. 1983.
362	Danilatos, G.D., Postle, R.,	Dynamic Mechanical Properties of Keratin Fibers During Water Absorption and Desorption,	Journal of Applied Polymer Science, V. 26, P. 193-200, D. 1981.
363	Danilatos, G.D., Postle, R.,	Low Strain Dynamic Mechanical Properties of Keratin Fibers During Water	J. Macromol. Sci. Phys., B 19 (1) P. 153-165 (1981).



		Absorption,	
364	Doehne, E., Stulik, D.C.,	Applications of the Environmental Scanning Electron Microscope to Conservation Science,	Scanning Microscopy, V. 4, N. 2, D. 1990, P. 275-286.
365	Bergstrom, T.B., Jennings, H.M.,	The Formation of Bonds in Tricalcium Silicate Pastes as Observed by Scanning Electron Microscopy,	Journal of Materials Science Letters II, D. 1992, P. 1620-1622.
366	Meredith, P., Donald, A.M., Luke, K.,	Pre-Induction and Induction Hydration of Tricalcium Silicate: An Environmental Scanning Electron Microscopy Study,	Cavendish Laboratory, Cambridge, University Physics
367	Sujata, K., Jennings, H.M.,	Formation of a Protective Layer During the Hydration of Cement,	Journal of American Ceramics Society, D. 1992, M. 196122.
368	Lange, D.A., Sujata, K., Jennings, H.M.,	Observations of Wet Cement Using Electron Microscopy,	Ultramicroscopy, V. 37, D. 1991. P. 234-238.
369	Derbin, G.M., Palsson, B.O., Mansfield, J.F., Wheatley, T.A., Dressman, J.B.,	Release Behavior from Ethylcellulose-Coated Pellets: Thermomechanical and Electron Microbeam Studies,	Pharmaceutical Technology, D. 1996, P. 70-81.
370	Carpenter, D.T., Smith, D.A., Lloyd, J.R.,	Observation of Passivated A1-1% Cu Lines Using Environmental Scanning Electron Microscopy (ESEM),	Department of Materials Science and Engineering, Lehigh University, Bethlehem, PA 18018.
371	Roberts, R.A., Shukla, A.J., Rice, T.,	Characterization of Polyox® Granules using Environmental Scanning Electron Microscopy,	Dept. of Pharmaceutical Sciences, College of Pharmacy, University of Tennessee, Memphis, TN 38163, Philips ElectroScan, Wilmington, MA 01887.
372	Pesenti, F., Hassler, J.C., Lepoutre, P.,	Influence of Pigment Morphology on Microstructure and Gloss of Model Coatings,	Paper Surface Science Program, Dept. of Chemical Engineering, University of Maine, Orono, ME 04469-5737, USA.
373	Stanislawski, A., Lepoutre, P.,	Consolidation of Pigmented Coatings: Development of Porous Structure,	Tappi Journal, V. 79, N. 5.
374	Shaler, S.M., Groom, L., Mott, L.,	Microscopic Analysis of Wood Fibers using ESEM and Confocal Microscopy,	Wood Science and Technology, University of Maine, Orono, ME, Southern Forest Expt. Sta., USDA Forest Service, Pineville, LA, Dept. of Forest Management, University of Maine, Orono, ME.
375	Mott, L., Shaler, S.M., Groom, L.H.,	A Technique to Measure Strain Distributions in Single Wood Pulp Fibers,	Wood and Fiber Science, 28 (4) 1996, P. 429-437.
376	Dickson, R.J., LePoutre, P.,	Macro-and Micro-Mechanical Interlocking in Coating-Paper/Board Adhesion.	macroscopic scale, in the interlocked areas the coating failed, thus making MI dependent on coating cohesion.
377	Wight, Scott; Gillen, Greg and Herne, Tonya (1997)	"Development of Environmental Scanning Electron Microscopy Electron Beam Profile Imaging with Self-Assembled Monolayers and Secondary	Scanning 19, 71-74.

		Ion Mass Spectroscopy",	
378	Doehne, Eric (1997)	"A New Correction Method for high-Resolution Energy-Dispersive X-Ray Analyses in the Environmental Scanning Electron Microscope",	Scanning 19, 75-78.
379	Schnarr, Holger and Fütting, Manfred W. (1997)	"Some Aspects of Optimizing Contrasts for the Investigation of Joint Materials in the Environmental Scanning Electron Microscope",	Scanning 19, 79-84.
380	Carlton, Robert A. (1997)	"The Effect of Some Instrument Operating Conditions on the X-Ray Microanalysis of Particles in the Environmental Scanning Electron Microscope",	Scanning 19, 85-91.
381	Jenkins, L. M. and Donald, A. M. (1997)	"Use of the Environmental Scanning Electron Microscope for the Observation of the Swelling Behavior of Cellulosic Fibres",	Scanning 19, 92-97.
382	Ray, Richard; Little, Brenda; Wagner, Patricia and Hart, Kevin (1997)	"Environmental Scanning Electron Microscopy Investigations of Biodeterioration",	Scanning 19, 98-103.
383	Roberts, R.A.; Shukla, A.J. and Rice, T. (1997)	"Characterization of Polyox® Granules Using Environmental Scanning Electron Microscopy",	Scanning 19, 104-108.
384	Hoyberg, Karen (1997)	"Environmental Scanning Electron Microscopy of Personal and Household Products",	Scanning 19, 109-113.
385	Yeh, C. L.; Kuo, K. K.; Klimkiewicz, M. and Brown, P. W. (1997)	"Environmental Scanning Electron Microscopy Studies of Diffusion Mechanism of Boron Particle Combustion",	Scanning 19, 114-118.
386	Foitzik, Andreas H.; Fütting, Manfred W.; Hillrichs, Georg and Herbst, Ludolf-Johannes (1997)	"In Situ Laser Heating in an Environmental Scanning Electron Microscope",	Scanning 19, 119-124.
387	Wight, Scott A. (1997)	"Better Visualization Inside the Environmental Scanning Electron Microscope through the Infrared Chamberscope Coupled with a Mirror",	Scanning 19, 125-126.
388	Meredith, P.; Donald, A. M. and Thiel, B. (1996)	"Electron-Gas Interactions in the Environmental Scanning Electron Microscopes Gaseous Detector",	Scanning 18, 467-473.
389	Newbury, Dale E. (1996)	"Imaging Deep Holes in Structures with Gaseous Secondary Electron	Scanning 18, 474-482.

		Detection in the Environmental Scanning Electron Microscope",	
390	Taylor, M. E. and Wight, S. A. (1996)	"A New Method for Low-Magnification in the Environmental Scanning Electron Microscope",	Scanning 18, 483-489.
391	Paul, B. K. and Klimkiewicz (1996)	"Application of an Environmental Scanning Electron Microscope to Micromechanical Fabrication",	Scanning 18, 490-496.
392	Pirttiahho, Lauri and Blakely, Jack (1996)	"Environmental Scanning Electron Microscope Observations of H ₂ S Attack on the Protective Oxide on an Ni-Fe Alloy",	Scanning 18, 497-499.
393	De Roever, Edmond W. F. and Cosper, David R. (1996)	"Fibre Rising and Surface Roughening in Lightweight Coated Paper - an Environmental Scanning Electron Microscopy Study",	Scanning 18, 500-507.
394	Rao, Sudeep M.; Brinker, C. Jeffrey and Ross, Timothy J. (1996)	"Environmental Microscopy in Stone Conservation",	Scanning 18, 508-514.
395	Neubauer, C. M. and Jennings, H. M. (1996)	"The Role of the Environmental Scanning Electron Microscope in the Investigation of Cement-Based Materials",	Scanning 18, 515-521.
396	D'Emanuele, Anthony and Gilpin, Christopher (1996)	"Applications of the Environmental Scanning Electron Microscope to the Analysis of Pharmaceutical Formulations",	Scanning 18, 522-527.
397	Connolly, Jon H.; Chen, Ying and Jellison, Jody (1995)	"Environmental Scanning Electron Microscopic Observation of the Hyphal Sheath and Mycofibrils in <i>Postia placenta</i> ",	Canadian Journal of Microbiology 41, 433-437.
398	Connolly, Jon H. and Jellison, Jody (1995)	"Calcium translocation, calcium oxalate accumulation, and hyphal sheath morphology in the white-rot fungus <i>Resinicium bicolor</i> ",	Canadian Journal of Botany 73, 927-936.
399	Stanislawska, Anna and Lepoutre, Pierre (1995)	"Effect of Pigment Shape, Binder Content and Dewatering Conditions on the Consolidation of Pigmented Coatings",	Proceedings of the 22nd Waterborne, High-Solids & Powder Coatings Symposium, New Orleans, LA, 386-395
400	Stanislawska, Anna and Lepoutre, Pierre (1995)	"Development of Porous Structure During Drying of Pigmented Coatings",	Proceedings of the American Chemical Society Division of Polymeric Materials: Science and Engineering, Chicago, IL, 55-56
401	Al-Turaif, H.; Unertl, W. N. and Lepoutre, P. (1995)	"Effect of pigmentation on the surface chemistry and surface free energy of paper	Journal of Adhesion Science and Technology, 9 (7), 801-811 60

		coating binders",	
402	Dickson, Robert J.	"Adhesion and Cohesion in Coated Paper"	
403	Forsberg, P.	"Environmental Scanning Electron Microscope (ESEM)",	Surface Analysis of Paper - ed. T. Crunes, 63-68
404	Smith, David A. (1996)	"Some Applications of Electron Optical Techniques to Materials for Interconnects",	Scandem '96 - Aarhus
405	Smith, David A.; Small, Martin and Stanis, Carol (1993)	"Electron microscopy of the grain structure of metal films and lines",	Ultramicroscopy 51, 328-338
406	Groom, Leslie H.; Shaler, Stephen M. and Mott, Laurence (1995)	"Characterizing Micro- and Macro- Mechanical Properties of Single Wood Fibers",	1995 International Paper Physics Conference, 13-22
407	Mott, Laurence; Shaler, Stephen M. and Groom, Leslie H.	"Micro-strain distributions and defects in single wood-pulp fibers",	Department of Forest Management. Forest Products Laboratory, 5755 Nutting Hall, University of Maine, Orono, ME 04469-5755 / USDA Forest Service, Southern Research Station. 2500 Shreveport Hwy, Pineville, LA 71360
408	Griffin, Brendan J. (1997)	"Field of view and image distortion : A review of low magnification imaging in the environmental and conventional scanning electron microscopes (SEM)",	Microscopy and Microanalysis, 3 (2), 1193-4
409	Thiel, B. L.; Fletcher, A. L. and Donald, A. M. (1997)	"Comparison of amplification and imaging behaviours of several gases in the environmental SEM",	Microscopy and Microanalysis, 3 (2), 1195-6
410	Griffin, Brendan J. (1997)	"A new mechanism for the imaging of crystal structure in non-conductive materials: An application of charge-induced contrast in the environmental scanning electron microscope (ESEM)",	Microscopy and Microanalysis, 3 (2), 1197-8
411	Bache, I. C.; Thiel, B. L.; Stelmashenko, N. and Donald, A. M. (1997)	"Transport of secondary electrons through a film of condensed water: Implications for imaging wet samples",	Microscopy and Microanalysis, 3 (2), 1199-1200
412	Carlton, R. A.; Orton E. and Lyman, C. E. (1997)	"Application of ESEM/EDS to pharmaceutical synthesis",	Microscopy and Microanalysis, 3 (2), 1201-1202
413	Li, M. J. and Taylor, M. E. (1997)	"Characterization of contamination effects on polyimide film fracture using environmental scanning electron microscope",	Microscopy and Microanalysis, 3 (2), 1203-4
414	Gilpin, C. J. (1997)	"Biological applications of environmental scanning electron microscopy",	Microscopy and Microanalysis, 3 (2), 1205-6

415	Mansfield, John (1997)	"Review of techniques for overcoming XEDS problems in the environmental scanning electron microscope",	Microscopy and Microanalysis, 3 (2), 1207-8
416	Wight, Scott; Gillen, Greg and Herne, Tonya (1997)	"Environmental SEM electron damage imaging of self assembled monolayers with SIMS",	Microscopy and Microanalysis, 3 (2), 1209-10
417	Bache, I. C.; Kitching, S.; Thiel, B. L. and Donald, A. M. (1997)	"Variations in the probe beam broadening with operating conditions in the ESEM: Monte-Carlo simulations and EDX measurements",	Microscopy and Microanalysis, 3 (2), 1211-2
418	Wight, S. A.; Cavicchi, R. E.; Nystrom, M. J. and DiMeo, F. (1997)	"Microhotplate chemical vapor deposition and in the environmental SEM chamber",	Microscopy and Microanalysis, 3 (2), 603-4
419	Bache, I. C.; Anderson, V. J.; Jones, R. A. L. and Donald, A. M. (1997)	"The observation of hierarchical structures in biopolymer phase separation: novel ESEM contrast mechanisms",	Microscopy and Microanalysis, 3 (2), 605-6
420	Mutlu, I. H.; Goddard, R. E. and Hascicek, Y. S. (1997)	"ESEM hot stage evaluation of sol-gel insulation coatings for high field HTS magnets",	Microscopy and Microanalysis, 3 (2), 607-8
421	Thiel, B. L.; Hussein-Ismail, M. R. and Donald, A. M. (1997)	"Effects of space charge on ESEM gas amplification",	Microscopy and Microanalysis, 3 (2), 609-10
422	Doehne, Eric (1997)	"ESEM and video microscopy studies in stone conservation",	Microscopy and Microanalysis, 3 (2), 613-4