Resource Summary Report

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Zeiss: LEO 1525 Field Emission Scanning Electron Microscope

RRID:SCR_018039
Type: Tool

Proper Citation

Zeiss: LEO 1525 Field Emission Scanning Electron Microscope (RRID:SCR_018039)

Resource Information

URL: https://www.laboratorynetwork.com/doc/leo-1525-field-emission-scanning-electron-mic-0001

Proper Citation: Zeiss: LEO 1525 Field Emission Scanning Electron Microscope (RRID:SCR_018039)

Description: Field emission scanning electron microscope that performs ultra high resolution imaging and analysis. Designed for requirements of nano-analysis, chamber of LEO 1525 is capable of accommodating both EDS and full-focusing Wavelength-dispersive X-ray spectroscopy WDS spectrometers as well as rage of other accessories. Coincident and short working distances allow signals from these detectors to be acquired simultaneously.

Synonyms: LEO 1525

Resource Type: instrument resource

Keywords: ABRF, Field Emission Scanning Electron Microscope, instrument, equipment

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/main/PDF/SCR_018039.pdf

Resource Name: Zeiss: LEO 1525 Field Emission Scanning Electron Microscope

Resource ID: SCR_018039

Alternate IDs: Model_Number_LEO_1525

Alternate URLs: http://fy.chalmers.se/~f10mh/Halvarsson/EM_intro_course_files/LEO32%20Software%20Manual.pdf

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Ratings and Alerts

No rating or validation information has been found for Zeiss: LEO 1525 Field Emission Scanning Electron Microscope.

No alerts have been found for Zeiss: LEO 1525 Field Emission Scanning Electron Microscope.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 85 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

González-Jiménez JM, et al. (2021) Mechanisms for Pd-Au enrichment in porphyry-epithermal ores of the Elatsite deposit, Bulgaria. Journal of geochemical exploration, 220, 106664.

Palacio-Lopez K, et al. (2020) Experimental Manipulation of Pectin Architecture in the Cell Wall of the Unicellular Charophyte, Penium Margaritaceum. Frontiers in plant science, 11, 1032.

Chu B, et al. (2020) Nepetin inhibits osteoclastogenesis by inhibiting RANKL-induced activation of NF-?B and MAPK signalling pathway, and autophagy. Journal of cellular and molecular medicine, 24(24), 14366.

Touré ABR, et al. (2020) Multi-layer Scaffolds of Poly(caprolactone), Poly(glycerol sebacate) and Bioactive Glasses Manufactured by Combined 3D Printing and Electrospinning. Nanomaterials (Basel, Switzerland), 10(4).

Prabu GTV, et al. (2020) A Novel Profiled Multi-Pin Electrospinning System for Nanofiber Production and Encapsulation of Nanoparticles into Nanofibers. Scientific reports, 10(1), 4302.

Fernández-Arias M, et al. (2020) Fabrication and Deposition of Copper and Copper Oxide Nanoparticles by Laser Ablation in Open Air. Nanomaterials (Basel, Switzerland), 10(2).

Giang LTK, et al. (2020) Fabrication and characterization of up-converting ?-NaYF4:Er3+,Yb3+@NaYF4 core-shell nanoparticles for temperature sensing applications. Scientific reports, 10(1), 14672.

Serrapede M, et al. (2020) A Facile and Green Synthesis of a MoO2-Reduced Graphene Oxide Aerogel for Energy Storage Devices. Materials (Basel, Switzerland), 13(3).

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Atiénzar-Navarro R, et al. (2020) Sound Absorption Properties of Perforated Recycled Polyurethane Foams Reinforced with Woven Fabric. Polymers, 12(2).

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Xaba BM, et al. (2020) Characterization of Selected Polymeric Membranes Used in the Separation and Recovery of Palladium-Based Catalyst Systems. Membranes, 10(8).

Linhares AMF, et al. (2020) Investigation of Biocidal Effect of Microfiltration Membranes Impregnated with Silver Nanoparticles by Sputtering Technique. Polymers, 12(8).

Islam RA, et al. (2020) Carbonate Apatite and Hydroxyapatite Formulated with Minimal Ingredients to Deliver SiRNA into Breast Cancer Cells In Vitro and In Vivo. Journal of functional biomaterials, 11(3).

Usman F, et al. (2020) Dependence of the Optical Constant Parameters of p-Toluene Sulfonic Acid-Doped Polyaniline and Its Composites on Dispersion Solvents. Molecules (Basel, Switzerland), 25(19).

Saadati Ardestani N, et al. (2020) Preparation of phthalocyanine green nano pigment using supercritical CO2 gas antisolvent (GAS): experimental and modeling. Heliyon, 6(9), e04947.

Krishnan M, et al. (2020) A Novel Peptide Antibiotic, Pro10-1D, Designed from Insect Defensin Shows Antibacterial and Anti-Inflammatory Activities in Sepsis Models. International journal of molecular sciences, 21(17).

Rozilah A, et al. (2020) The Effects of Silver Nanoparticles Compositions on the Mechanical, Physiochemical, Antibacterial, and Morphology Properties of Sugar Palm Starch Biocomposites for Antibacterial Coating. Polymers, 12(11).

Nour-Eldeen G, et al. (2020) Adipose tissue-derived mesenchymal stem cells and chitosan/poly (vinyl alcohol) nanofibrous scaffolds for cartilage tissue engineering. Cell regeneration (London, England), 9(1), 7.