

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 range 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

Record Creation Time: 20220129T080338+0000

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.

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).

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

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).

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.

Giang LTK, et al. (2020) Fabrication and characterization of up-converting γ -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).

Punetha D, et al. (2020) A new type low-cost, flexible and wearable tertiary nanocomposite sensor for room temperature hydrogen gas sensing. *Scientific reports*, 10(1), 2151.

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

Mazlan D, et al. (2020) Effect of Cellulose Nanocrystals Extracted from Oil Palm Empty Fruit Bunch as Green Admixture for Mortar. *Scientific reports*, 10(1), 6412.

Kaur A, et al. (2020) A novel multi-enzyme preparation produced from *Aspergillus niger* using biodegradable waste: a possible option to combat heterogeneous biofilms. *AMB Express*, 10(1), 36.

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.