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As a contribution to AM of Cu, the present study focuses on the development of a processing route to produce high-purity dense copper components by paste-based 3D micro-extrusion.

Is there a way to remove the optical components (scintillation crystals, photocathode) of a PET scanner? Efficiency of primary e- to secondary e-? Still researching. K. Domurat-Sousa, C. Poe, H. J. Frisch, ...

Copper microchannels have been attracting more and more attention due to the increasing demands for multifunctional microcomponents in the field of micromanufacturing. In the present work, ...

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With very low thermal resistance micro-extrusions are ideal for cooling high heat density components. Additional coating protection is also available when required for specific applications. They can be ...

Building upon that foundation, this article delves into the fabrication of microchannels using MEMS-based semiconductor processes.

Intel announced Si photonic lidar for 2025/26 based on FMCW. Photonic computing could also be an important application for silicon photonics. Other applications include optical interconnects for ...

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Optical Module Microchannel Copper Extrusion

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