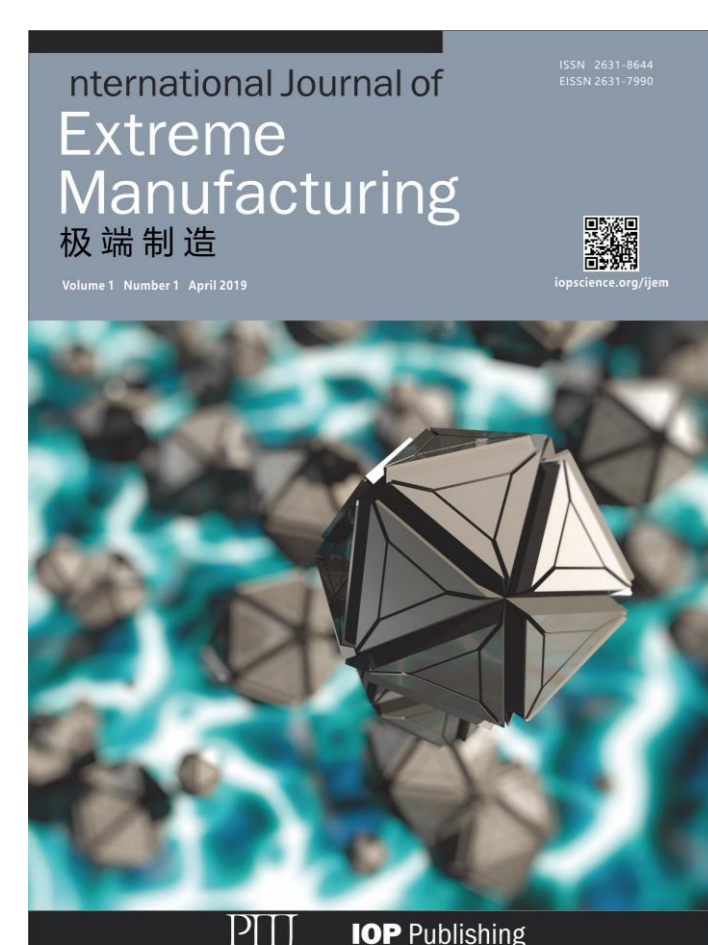


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**2022**



## Excellent Authors in Laser Processing at IJEM



**Yongfeng Lu**



**Lin Li**



**Andreas Ostendorf**



**Koji Sugioka**



**Milan Brandt**



**Craig B. Arnold**

### Material interactions with energy beams and fields

**M**etal/ inorganic non-metal/ polymer materials  
additive manufacturing  
**B**iomaterial additive manufacturing  
**4D** printing  
**L**aser surface modification  
**U**ltrafast laser micro/nanomanufacturing  
**H**igh energy beam and special energy processing

### Approaches and theories of processing techniques

**A**tomistic and close-to-atomic scale manufacturing  
**U**ltra-precision/ultrahigh-speed machining  
**E**xremely large/small-scale manufacturing  
**M**icro/nano-joining and assembly  
**M**olecular manufacturing  
**B**ionic manufacturing  
**P**erformance-oriented manufacturing  
**N**ovel principles/approaches for manufacturing

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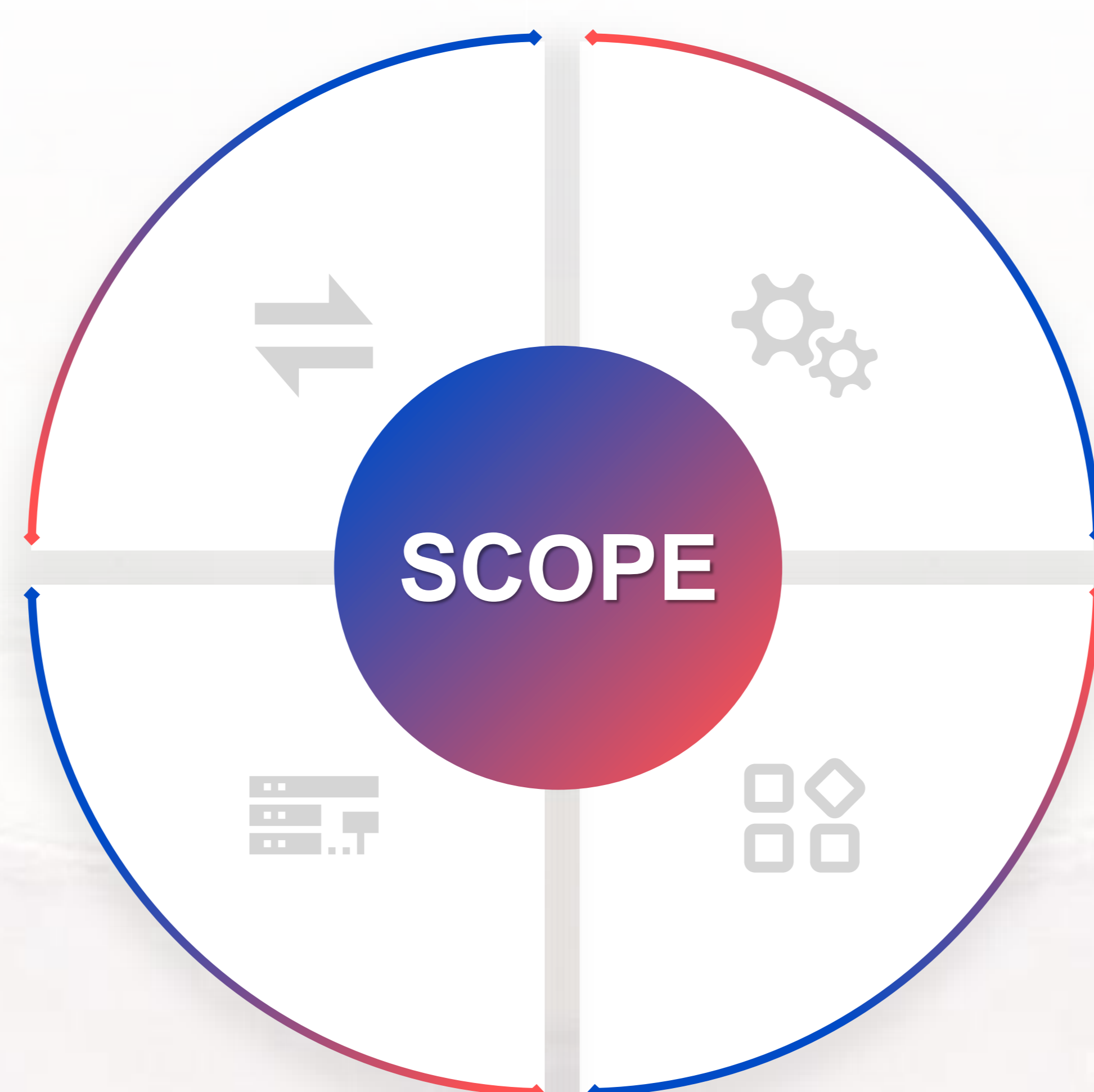
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### Materials, structures and devices with extreme functionalities

**Q**uantum materials, structures and devices  
**M**etamaterials and metadevices  
**F**lexible functional materials and devices  
**F**unctional optical structures and devices  
**H**igh-efficient energy storage materials and devices  
**T**hermal materials and devices  
**B**iomaterials and devices  
**F**unctional surfaces/interfaces  
**N**ew devices design and manufacturing, etc.

### Measurement and systems

**M**icro/nano-mechanics and characterization  
**E**xtrême performance evaluation  
**N**ovel metrology methods  
**S**pecial sensors  
**P**recision instruments  
**C**omplex structures and systems  
**H**igh-performance equipment  
**M**ultiple extreme environments



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