

Different Tiers of Editing

~~Timely, The end-of-life vehicles (ELV) regulations, which aim to improve resource recycling for automobiles and mobility, now mandate have set high targets for 85% recycling rates and reuse rates of 85%, spurring demand for and competition in the development of easy-disassembly-friendly adhesives has begun to accelerate. The performance shown here is the first example in the world to demonstrate that an bio-base adhesive can achieve the same strength (30 MPa), ease of disassembly, and reusability as required for automotive structures. Our work debunks the long-held assumption This is a high-impact result that shows that bio-based adhesives can overcome the conventional belief that they are inherently "weaker" than petroleum-derived alternatives, positioning and paramylon can be candidates as a scalable solution for bringing about a sustainable, mobility recycling society.~~

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2.2. Simulation ~~m~~Model and ~~c~~Conditions

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~~The~~ ABAQUS software ~~was used to simulated~~ the ~~milling~~ ~~otion~~ process of ~~CGI with a~~ micro-textured tool ~~milling of compacted graphite iron~~. The ~~key~~ ~~main~~ physical parameters of the cemented carbide tool and ~~CGI compacted graphite iron material~~ are ~~listed~~ ~~shown~~ in Table 2. The reliability of the cutting simulation ~~depends heavily~~ ~~is closely related onto~~ the accuracy of the constitutive model. The commonly used ~~material~~ constitutive models in the cutting process ~~mainly~~ include the Johnson-Cook (J-C) ~~model~~,^{45,46}; the Power-Law (P-L) ~~model~~,⁴⁷; the Zerilli-Armstrong (Z-A) ~~model~~,^{48,49}; and the Oxley constitutive models.⁵⁰ Among the ~~sem~~, the J-C ~~constitutive~~ model

Commented [A1]: Tip: The unnecessary repetition of the same noun in a series tends to cause wordiness. Identify the repeated words and eliminate them.
For example,
Original: The teacher taught first-grade students, fifth-grade students, and sixth-grade students.

Revised: The teacher taught first-, fifth-, and sixth-grade students.
Concise writing means using the fewest words necessary. One way to achieve conciseness is to use a direct verb rather than its noun form.

Commented [A2]: I have changed "summary" to "conclusion" per the journal requirements.

Commented [A3]: The Conclusion section has been reviewed for coherence, logical consistency, and alignment with the study's findings.

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~~S~~Conclusion ~~summary~~

Europium-doped strontium-aluminum-silicon-oxynitride glass films were prepared through ammonolysis of ~~sol-gel-derived~~ films ~~obtained via the sol-gel method~~. Structural and compositional analyses revealed that a ~~relatively~~ long reaction period (t_n) is necessary to achieve a thermally stable glass structure. The ~~rate-limiting step in forming oxynitride glass structures was not the~~ introduction of nitrogen ~~was not the rate limiting factor; instead, but rather~~ the formation of Si-N-Si and Si-O-Si structures ~~bonds~~ was identified as the critical step in forming oxynitride glass structures. An oxynitride glass with a nitrogen concentration of approximately 14% was achieved through ammonolysis at 1000 °C for 24 ~~hours~~. Additionally, the developed process effectively stabilized divalent Eu ions (Eu^{2+}) for UV-to-VIS downshifting, with more than 90% of Eu ions becoming divalent after 12 ~~hours~~ of ammonolysis.