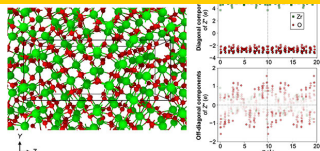


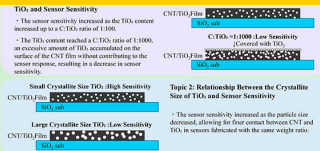
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S. Arai *et al.*

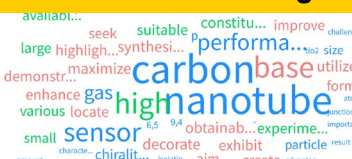
Charge States of Ions around $\Sigma 5(310)/[001]$ Grain Boundary in Cubic-ZrO₂ Revealed by First-principles Calculations
Vol. 23, Iss. 4, pp. 323-327 (2025) (Regular Paper)



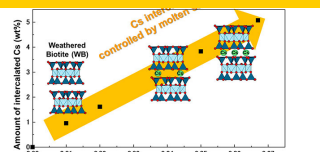
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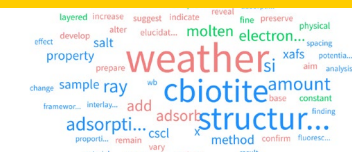
Increasing Response to NO₂ Gas of Carbon Nanotube-based NO₂ Gas Sensor by Decorating TiO₂ Nano Particles
Vol. 23, Iss. 4, pp. 328-333 (2025) (Regular Paper)



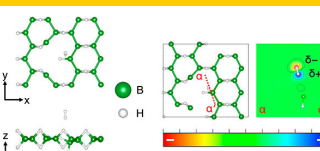
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Y. Masebo *et al.*

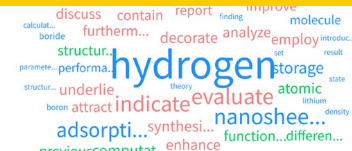
Structural Modification of Weathered Biotite Induced by Cs Intercalation
Vol. 23, Iss. 4, pp. 334-338 (2025) (Regular Paper)



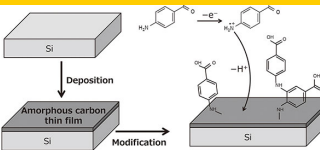
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S. Naka *et al.*

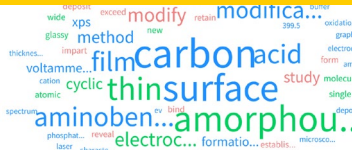
Density Functional Theory Study on the Structure and Hydrogen Storage Performance of Hydrogen Boride Sheets
Vol. 23, Iss. 4, pp. 339-345 (2025) (Regular Paper)



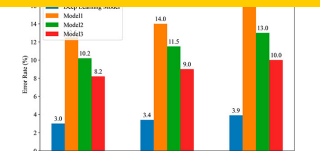
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S. Nagashima *et al.*

**Surface Modification of Amorphous Carbon Thin Films
with 4-Aminobenzoic Acid by Electrochemical Oxidation**
Vol. 23, Iss. 4, pp. 346-351 (2025) (Regular Paper)



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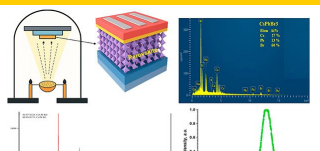


C. Wu and Y. Wang

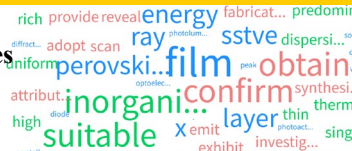
Inversion of the Optoelectronic Properties of Aluminum Nitride Materials Based on Deep Learning
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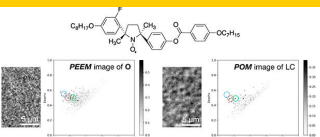
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R. R. Kabulov *et al.*

Structural, Compositional, and Photoluminescence Properties of CsPbBr₃ Thin Films Grown by Single-source Thermal Vacuum Chemical Vapor Deposition
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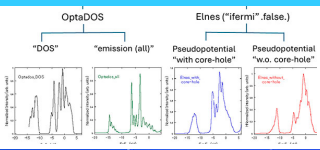
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Y. Uchida *et al.*

Topological Aspect of Magnetic Structures in Paramagnetic Liquid Crystal
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Technical

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**Application of CASTEP Code to the Simulation of Soft X-ray
Emission Spectra of Light Element Materials**
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