

Atomic structure, dynamics, changes in chemical bonding and semiconductor-metal transition in Sb₂Se₃ : A remarkable material for quantum networks and energy applications

Kassem, Mohammad; Benmore, Chris J.; Tverjanovich, Andrey; Bokova, Maria; Khomenko, Maxim; Usuki, Takeshi; Sokolov, Anton; Fontanari, Daniele; **Bereznev, Sergei**; Ohara, Koji ACS applied materials & interfaces 2025 / p. 17075-17095
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Functionally graded tunable microwave absorber with graphene-augmented alumina nanofibers

Shamshirgar, Ali Saffar; **Rojas Hernandez, Rocio Estefania**; Tewari, Girish C.; Fernandez, Jose Francisco; **Ivanov, Roman**; Karppinen, Maarit; **Hussainova, Irina** ACS applied materials & interfaces 2021 / p. 21613-21625
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Influence of sulfur source on growth of in-air sprayed ultrathin film Sb₂S₃ for enhanced solar cell performance

Asare, Ernest A.; **Katerski, Atanas**; **Kriisa, Merike**; **Josepson, Raavo**; Rotaru, Victoria; Guc, Maxim; Payno Zarceno, David; **Navarro-Güell, Alejandro**; Grzibovskis, Raitis; Vembris, Aivars; **Spalatu, Nicolae**; **Krunks, Malle**; **Oja Acik, Ilona** ACS applied materials & interfaces 2025 / p. 64753-64770 <https://doi.org/10.1021/acsami.5c17869>

Photocontrolled strain in polycrystalline ferroelectrics via domain engineering strategy

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Solid electrolytes for fluoride ion batteries : ionic conductivity in polycrystalline tysonite-type fluorides

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Synthesis control of charge separation at anatase TiO₂ thin films studied by transient surface photovoltage spectroscopy

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Synthesis of fast fluoride-ion-conductive fluorite-type Ba_{1-x}Sb_xF_{2+x} (0.1 ≤ x ≤ 0.4) : a potential solid electrolyte for fluoride-ion batteries

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The template-assisted wet-combustion synthesis of fibrous nickel-based catalyst for carbon dioxide methanation and methane steam reforming

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