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Exploring van der Waals materials with high anisotropy: geometrical and optical approaches

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Programmable Carbon Nanotube Networks: Controlling Optical Properties Through Orientation and Interaction

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Anisotropic Optical Properties of Monolayer Aligned Single-Walled Carbon Nanotubes

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Laser-synthesized TiN-based nanoparticles as novel efficient electrostatic nanosorbent for environmental water cleaning

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Hexagonal boron nitride nanophotonics: a record-breaking material for the ultraviolet and visible spectral ranges

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MA Anikina, A Kuznetsov, AN Toksumakov, VV Dremov, DA Ghazaryan, VV Fedorov, AV Arsenin, VS Volkov, AD Bolshakov
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Temperature-dependent Raman spectroscopy and thermal conductivity of TiS₂ hexagonal nanodiscs

Mohammad Talib, Samrah Manzoor, Davit A. Ghazaryan, Aleksey V. Arsenin, Valentyn S. Volkov,

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High-refractive index and mechanically cleavable non-van der Waals InGaS₃

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Broadband optical and terahertz properties of 1D van der Waals heteronanotubes

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