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Artificial intelligence guided search for van der Waals materials with high optical anisotropy

Liudmila A. Bereznikova, Ivan A. Kruglov, Georgy A. Ermolaev, Ivan Trofimov, Congwei Xie,

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Optical Properties of Biaxial van der Waals Crystals for Photonic Applications

A. Slavich, G. Ermolaev, I. Zavidovskiy, D. Grudin, M. Tatmyshevskiy, A. Toksumakov, A. Syuy,

A. Vyshnevyy, D. Yakubovsky, S. Novikov, D. Ghazaryan, A. Arsenin, V. Volkov

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In-Plane Directional MoS₂ Emitter Employing Dielectric Nanowire Cavity

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

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Crystallinity as a factor of SERS stability of silver nanoparticles formed by Ar⁺ irradiation

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MA Anikina, A Kuznetsov, AN Toksumakov, VV Dremov, DA Ghazaryan, VV Fedorov, AV Arsenin,

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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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