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Статья

Inelastic resonant tunnelling through adjacent localised electronic states in van der Waals heterostructures

E. E. Vdovin, K. Kapralov, Yu. N. Khanin, A. Margaryan, K. Watanabe, T. Taniguchi, C. Yang,

S. V. Morozov, D. A. Svintsov, K. S. Novoselov, D. A. Ghazaryan

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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,

Arslan Mazitov, Gleb Tselikov, Anton Minnekhanov, Alexey P. Tsapenko, Maxim Povolotsky,

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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,

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In-Plane Directional MoS₂ Emitter Employing Dielectric Nanowire Cavity

Alexey Kuznetsov, Maria Aleksandrovna Anikina, Adilet Nurlanbekovich Toksumakov,

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Germanium disulfide as an alternative high refractive index and transparent material for UV-visible nanophotonics

Aleksandr S. Slavich, Georgy A. Ermolaev, Ilya A. Zavidovskiy, Dmitriy V. Grudin, Konstantin V. Kravtsov, Mikhail K. Tatmyshevskiy, Mikhail S. Mironov, Adilet N. Toksumakov, Gleb I. Tselikov, Iliya M. Fradkin, Kirill V. Voronin, Maksim R. Povolotskiy, Olga G. Matveeva, Alexander V. Syuy, Dmitry I. Yakubovskiy, Dmitry M. Tsymbarenko, Ivan Kruglov, Davit A. Ghazaryan, Sergey M. Novikov, Andrey A. Vyshnevyy, Aleksey V. Arsenin, Valentyn S. Volkov, Kostya S. Novoselov
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L-cysteine polymorph coatings for THz sensing metasurfaces

M. Zhezhu, A. Vasil'ev, H. Parsamyan, T. Abrahamyan, G. Baghdasaryan, S. Gyoalyan, D. Ghazaryan, H. Gharagulyan
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H. Gharagulyan, Y. Melikyan, V. Hayrapetyan, Kh. Kirakosyan, D.A. Ghazaryan, M. Yerosyan
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Hexagonal boron nitride nanophotonics: a record-breaking material for the ultraviolet and visible spectral ranges

D. V. Grudinin, G. A. Ermolaev, D. G. Baranov, A. N. Toksumakov, K. V. Voronin, A. S. Slavich, A. A. Vyshnevyy, A. B. Mazitov, I. A. Kruglov, D. A. Ghazaryan, A. V. Arsenin, K. S. Novoselov, V. S. Volkov

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Anomalous optical response of graphene on hexagonal boron nitride substrates

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Twisted monolayer and bilayer graphene for vertical tunneling transistors

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Planar and van der Waals heterostructures for vertical tunnelling single electron transistors

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