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MoS₂ field-effect transistor for next-generation label-free biosensors

DOI: 10.1021/nn5009148
ACS Nano, 2014, 8, 3992-4003.

Source: <https://exaly.com/paper-pdf/58974268/citation-report.pdf>

Version: 2024-04-27

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790	InP Nanowire Biosensor with Tailored Biofunctionalization: Ultrasensitive and Highly Selective Disease Biomarker Detection.		
789	Highly Sensitive and Reusable Membraneless Field-Effect Transistor (FET)-Type Tungsten Diselenide (WSe ₂) Biosensors.		
788	A Compact Current-Voltage Model for 2D Semiconductor Based Field-Effect Transistors Considering Interface Traps, Mobility Degradation, and Inefficient Doping Effect. 2014 , 61, 4282-4290		94
787	Effects of MoS ₂ thickness and air humidity on transport characteristics of plasma-doped MoS ₂ field-effect transistors. 2014 , 32, 06FF02		21
786	Contact research strategy for emerging molybdenum disulfide and other two-dimensional field-effect transistors. 2014 , 2, 092510		37
785	Highly Uniform Trilayer Molybdenum Disulfide for Wafer-Scale Device Fabrication. 2014 , 24, 6389-6400		89
784	Graphene and beyond-graphene 2D crystals for next-generation green electronics. 2014 ,		24
783	High-performance chemical sensing using Schottky-contacted chemical vapor deposition grown monolayer MoS ₂ transistors. <i>ACS Nano</i> , 2014 , 8, 5304-14	16.7	502
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781	An Inkjet-Printed Field-Effect Transistor for Label-Free Biosensing. 2014 , 24, 6291-6302		58
780	Can 2D-Nanocrystals Extend the Lifetime of Floating-Gate Transistor Based Nonvolatile Memory?. 2014 , 61, 3456-3464		32
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