

Frank Volmer

List of Publications by Year in descending order

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1162367

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1057
citing authors

#	ARTICLE	IF	CITATIONS
1	CVD Bilayer Graphene Spin Valves with 26 μm Spin Diffusion Length at Room Temperature. Nano Letters, 2022, 22, 4949-4955.	4.5	7
2	Charge-Induced Artifacts in Nonlocal Spin-Transport Measurements: How to Prevent Spurious Voltage Signals. Physical Review Applied, 2022, 18, .	1.5	3
3	How to solve problems in micro- and nanofabrication caused by the emission of electrons and charged metal atoms during e-beam evaporation. Journal Physics D: Applied Physics, 2021, 54, 225304.	1.3	8
4	How Photoinduced Gate Screening and Leakage Currents Dynamically Change the Fermi Level in 2D Materials. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000298.	1.2	3
5	Unveiling Valley Lifetimes of Free Charge Carriers in Monolayer WSe_2 . Nano Letters, 2020, 20, 3147-3154.	4.5	27
6	Valley lifetimes of conduction band electrons in monolayer WSe_2 . , 2020, , .		0
7	Spin States Protected from Intrinsic Electron-Phonon Coupling Reaching 100 ns Lifetime at Room Temperature in MoSe_2 . Nano Letters, 2019, 19, 4083-4090.	4.5	27
8	Dry-transferred CVD graphene for inverted spin valve devices. Applied Physics Letters, 2017, 111, .	1.5	17
9	Simulations on the Influence of Spatially Varying Spin Transport Parameters on the Measured Spin Lifetime in Graphene Non-Local Spin Valves. Physica Status Solidi (B): Basic Research, 2017, 254, 1700293.	0.7	6
10	Spin Lifetimes Exceeding 12 ns in Graphene Nonlocal Spin Valve Devices. Nano Letters, 2016, 16, 3533-3539.	4.5	214
11	Nanosecond spin lifetimes in bottom-up fabricated bilayer graphene spin-valves with atomic layer deposited Al_2O_3 spin injection and detection barriers. Physica Status Solidi (B): Basic Research, 2015, 252, 2395-2400.	0.7	5
12	Contact-induced charge contributions to non-local spin transport measurements in Co/MgO/graphene devices. 2D Materials, 2015, 2, 024001.	2.0	28
13	Nanosecond Spin Lifetimes in Single- and Few-Layer Graphene-hBN Heterostructures at Room Temperature. Nano Letters, 2014, 14, 6050-6055.	4.5	149
14	Toward Wafer Scale Fabrication of Graphene Based Spin Valve Devices. Nano Letters, 2011, 11, 2363-2368.	4.5	214