

# Vincent Michaud-Rioux

## List of Publications by Year in descending order

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docs citations

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times ranked

569  
citing authors

#	ARTICLE	IF	CITATIONS
1	RESCU: A real space electronic structure method. Journal of Computational Physics, 2016, 307, 593-613.	3.8	89
2	Quantum Transport Modeling From First Principles. Proceedings of the IEEE, 2013, 101, 518-530.	21.3	78
3	Moiré impurities in twisted bilayer black phosphorus: Effects on the carrier mobility. Physical Review B, 2017, 96, .	3.2	55
4	Calculated carrier mobility of h-BN/ $\text{InSe}$ /h-BN van der Waals heterostructures. 2D Materials, 2017, 4, 045014.	4.4	19
5	Moiré Valleytronics: Realizing Dense Arrays of Topological Helical Channels. Physical Review Letters, 2018, 121, 186403.	7.8	19
6	Theoretical Design of Topological Heteronanotubes. Nano Letters, 2019, 19, 4146-4150.	9.1	19
7	Twistronics in tensile strained bilayer black phosphorus. Nanoscale, 2020, 12, 12909-12916.	5.6	13
8	Dirac electrons in Moiré superlattice: From two to three dimensions. Physical Review Materials, 2017, 1, .	2.4	9
9	Quantum transport modelling of silicon nanobeams using heterogeneous computing scheme. Journal of Applied Physics, 2016, 119, .	2.5	8
10	Electronic structure of aqueous two-dimensional photocatalyst. Npj Computational Materials, 2021, 7, .	8.7	8
11	Band engineering of GaSbN alloy for solar fuel applications. Physical Review Materials, 2017, 1, .	2.4	8
12	Size dependence in two-dimensional lateral heterostructures of transition metal dichalcogenides. Journal of Materials Chemistry C, 2019, 7, 3837-3842.	5.5	7
13	Efficient evaluation of nonlocal operators in density functional theory. Physical Review B, 2018, 97, .	3.2	5