

Ortwin Leenaerts

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

12
papers

204
citations

10
h-index

12
g-index

12
ext. papers

243
ext. citations

4.6
avg, IF

2.91
L-index

#	Paper	IF	Citations
12	Quantum anomalous Hall effect in a stable 1T-YN monolayer with a large nontrivial bandgap and a high Chern number. <i>Nanoscale</i> , 2018 , 10, 8153-8161	7.7	21
11	First-principles study of the stability and edge stress of nitrogen-decorated graphene nanoribbons. <i>Physical Review B</i> , 2018 , 97,	3.3	1
10	Gallium bismuth halide GaBi-X ₂ (X = I, Br, Cl) monolayers with distorted hexagonal framework: Novel room-temperature quantum spin Hall insulators. <i>Nano Research</i> , 2017 , 10, 2168-2180	10	12
9	Carbon-rich carbon nitride monolayers with Dirac cones: Dumbbell C ₄ N. <i>Carbon</i> , 2017 , 118, 285-290	10.4	30
8	New group-V elemental bilayers: A tunable structure model with four-, six-, and eight-atom rings. <i>Physical Review B</i> , 2017 , 96,	3.3	12
7	Intrinsic magnetism in penta-hexa-graphene: A first-principles study. <i>Physical Review B</i> , 2016 , 94,	3.3	11
6	Stable kagome lattices from group IV elements. <i>Physical Review B</i> , 2015 , 91,	3.3	10
5	Band-gap tuning of graphene by Be doping and Be, B co-doping: a DFT study. <i>RSC Advances</i> , 2015 , 5, 55762-55773	3.7	58
4	Ab-initio study of the segregation and electronic properties of neutral and charged B and P dopants in Si and Si/SiO ₂ nanowires. <i>Journal of Applied Physics</i> , 2015 , 118, 104306	2.5	3
3	Hydrogen adsorption on nitrogen and boron doped graphene. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 425502	1.8	13
2	Defect-induced faceted blue phosphorene nanotubes. <i>Physical Review B</i> , 2015 , 92,	3.3	20
1	Graphane- and Fluorographene-Based Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16242-16247	3.6	13