

Nonlocal van der Waals functionals for solids: Choosing

Physical Review Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Interplay between interlayer exchange and stacking in CrI ₃ bilayers. Solid State Communications, 2019, 299, 113662.	0.9	132
2	Performance of Tao's Mo Semilocal Functional with rVV10 Dispersion-Correction: Influence of Different Correlation. Journal of Physical Chemistry A, 2019, 123, 10582-10593.	1.1	14
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4	Comparison of dispersion-corrected exchange-correlation functionals using atomic orbitals. Physical Review B, 2019, 100, .	1.1	5
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8	Shortcomings of meta-GGA functionals when describing magnetism. Physical Review B, 2020, 102, .	1.1	27
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16	Unveiling phonons in a molecular qubit with four-dimensional inelastic neutron scattering and density functional theory. Nature Communications, 2020, 11, 1751.	5.8	43
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20	From Molecules to Solids: A vdW-DF-C09 Case Study of the Mercury Dihalides. Journal of Physical Chemistry A, 2021, 125, 3978-3985.	1.1	1
21	Strain engineering the topological type-II Dirac semimetal NiTe ₂ . Physical Review B, 2021, 103, .	1.1	23
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24	Spontaneous interlayer compression in commensurately stacked van der Waals heterostructures. Physical Review B, 2021, 103, .	1.1	7
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34	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>U</mml:mi></mml:math> for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml:math> transition-metal oxides within the SCAN+ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>U</mml:mi></mml:math> framework.	0.9	55
35	Layer-dependent electronic and magnetic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Nb</mml:mi></mml:mrow></mml:math> <mathvariant="normal">I</math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>8</mml:mn></mml:mrow></mml:math>. Physical Review Research, 2020, 2, .	1.3	17
36	Assessing cathode property prediction <i>via</i> exchange-correlation functionals with and without long-range dispersion corrections. Physical Chemistry Chemical Physics, 2021, 23, 24726-24737.	1.3	8

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38	Enhanced valleytronic properties in germanene by direct proximity to heavy metal layer. <i>Journal of Physics Condensed Matter</i> , 2020, 33, 095502.	0.7	0
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50	Two-dimensional MoTe_2 van der Waals heterostructures for tunnel-FET applications. <i>Physical Review Materials</i> , 2022, 6, .		
51	Advances and Challenges in DFT-based Energy Materials Design. <i>Chinese Physics B</i> , 0, , .	0.7	8
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53	Experimental and theoretical studies of native deep-level defects in transition metal dichalcogenides. <i>Npj 2D Materials and Applications</i> , 2022, 6, .	3.9	10
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57	Ab Initio Investigation of Anisotropic Magnetism and Magnetization Blocking in Metal Complexes. Challenges and Advances in Computational Chemistry and Physics, 2023, , 1-62.	0.6	0