

Simon Groth

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

876
citations

759233

12
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

224
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Ab initio</i> path integral monte carlo simulation of the uniform electron gas in the high energy density regime. Plasma Physics and Controlled Fusion, 2020, 62, 075003.	2.1	28
2	Permutation blocking path integral Monte Carlo simulations of degenerate electrons at finite temperature. Contributions To Plasma Physics, 2019, 59, e201800157.	1.1	30
3	The uniform electron gas at warm dense matter conditions. Physics Reports, 2018, 744, 1-86.	25.6	177
4	Free energy of the uniform electron gas: Testing analytical models against first-principles results. Contributions To Plasma Physics, 2017, 57, 137-146.	1.1	25
5	<i>Ab initio</i> quantum Monte Carlo simulation of the warm dense electron gas. Physics of Plasmas, 2017, 24, .	1.9	59
6	<i>Ab initio</i> Exchange-Correlation Free Energy of the Uniform Electron Gas at Warm Dense Matter Conditions. Physical Review Letters, 2017, 119, 135001.	7.8	139
7	Permutation-blocking path-integral Monte Carlo approach to the static density response of the warm dense electron gas. Physical Review E, 2017, 96, 023203.	2.1	43
8	Ab initio results for the static structure factor of the warm dense electron gas. Contributions To Plasma Physics, 2017, 57, 468-478.	1.1	37
9	Configuration path integral Monte Carlo approach to the static density response of the warm dense electron gas. Journal of Chemical Physics, 2017, 147, 164108.	3.0	49
10	<i>Ab initio</i> Quantum Monte Carlo Simulation of the Warm Dense Electron Gas in the Thermodynamic Limit. Physical Review Letters, 2016, 117, 156403.	7.8	136
11	Permutation blocking path integral Monte Carlo approach to the uniform electron gas at finite temperature. Journal of Chemical Physics, 2015, 143, 204101.	3.0	61
12	Permutation blocking path integral Monte Carlo: a highly efficient approach to the simulation of strongly degenerate non-ideal fermions. New Journal of Physics, 2015, 17, 073017.	2.9	92