

Guillaume Hupin

List of Publications by Year in descending order

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papers

807
citations

516710

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501196

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35
all docs

35
docs citations

35
times ranked

643
citing authors

#	ARTICLE	IF	CITATIONS
1	PUMA, antiProton unstable matter annihilation. European Physical Journal A, 2022, 58, . <i>Ab initio</i> calculation of the \hat{I}^2 decay from	2.5	12
2	^{11}Be to a ^{11}Li	2.9	2
3	^{16}O reaction.	2.9	16
4	Using spin alignment of inelastically excited nuclei in fast beams to assign spins: The spectroscopy of ^{13}O as a test case. Physical Review C, 2021, 104, .	2.9	3
5	Transfer to the continuum of ^{11}Be with the application of ab-initio S-matrix. Journal of Physics: Conference Series, 2020, 1643, 012119.	0.4	0
6	Application of an <i>ab initio</i> S-matrix to data analysis of transfer reactions to the continuum populating ^{11}Be	2.9	12
7	^{11}Be and ^{11}Li nuclei within the no-core shell model with continuum. Physical Review C, 2019, 100, .	2.9	24
8	Ab initio predictions for polarized deuterium-tritium thermonuclear fusion. Nature Communications, 2019, 10, 351. three-cluster dynamics within the <i>ab initio</i> no-core shell model with continuum: How	12.8	44
9	many-body correlations and ^{11}He clustering shape	2.9	19
10	Structure of the exotic ^{9}He nucleus from the no-core shell model with continuum. Physical Review C, 2018, 97, .	2.9	15
11	$^{7}\text{Li}(d,p)^{8}\text{Li}$ transfer reaction in the NCSM/RGM approach. Journal of Physics: Conference Series, 2018, 981, 012006.	0.4	0
12	The self-consistent multiparticle-multihole configuration mixing. European Physical Journal A, 2017, 53, 1. Nuclear Force Imprints Revealed on the Elastic Scattering of Protons with	2.5	5
13	^{10}C	7.8	23
14	Ab initio calculations of reactions of light nuclei. EPJ Web of Conferences, 2017, 146, 12022.	0.3	0
15	Ab initio calculations of reactions with light nuclei. EPJ Web of Conferences, 2016, 113, 01005.	0.3	3
16	Can <i>Ab Initio</i> Theory Explain the Phenomenon of Parity Inversion in ^{11}Be ?	7.8	81
17	How Many-Body Correlations and ^{11}He Clustering Shape	4.1	65
18	^{11}He	2.9	30

#	ARTICLE	IF	CITATIONS
19	Deuteron-induced nucleon transfer reactions within an <i>ab initio</i> framework: First application to p -shell nuclei. <i>Physical Review C</i> , 2016, 93, .	2.9	23
20	Advances in the <i>ab initio</i> description of nuclear three-cluster systems. <i>EPJ Web of Conferences</i> , 2016, 113, 03004.	0.3	0
21	Unified <i>ab initio</i> approaches to nuclear structure and reactions. <i>Physica Scripta</i> , 2016, 91, 053002.	2.5	147
22	Unified Description of ^6Li Structure and Deuterium-Continuum and three-nucleon force effects on ^9Be energy levels. <i>Physical Review C</i> , 2015, 91, .	7.8	56
23	Continuum within an <i>Ab initio</i> Framework. <i>Physical Review Letters</i> , 2014, 113, 032503.	2.9	29
24	$^4\text{He}+n+n$ Predictive theory for elastic scattering and recoil of protons from ^4He . <i>Physical Review C</i> , 2014, 89, .	7.8	34
25	Progress on Light-Ion Fusion Reactions with Three-Nucleon Forces. <i>Few-Body Systems</i> , 2014, 55, 1013-1016.	2.9	32
26	<i>Ab initio</i> many-body calculations of nucleon- ^4He scattering with three-nucleon forces. <i>Physical Review C</i> , 2013, 88, .	1.5	2
27	Number-conserving approach to the pairing problem: Application to Kr and Sn isotopic chains. <i>Physical Review C</i> , 2012, 86, .	2.9	55
28	On the Application of Symmetry Breaking and Its Restoration to Treat Pairing Correlation in Finite Nuclei. <i>Progress of Theoretical Physics Supplement</i> , 2012, 196, 250-254.	2.9	15
29	Functional approach for pairing in finite systems: How to define restoration of broken symmetries in Energy Density Functional theory?. <i>Journal of Physics: Conference Series</i> , 2011, 321, 012056.	0.1	0
30	Description of pairing correlation in many-body finite systems with density functional theory. <i>Physical Review C</i> , 2011, 83, .	0.4	0
31	Formulation of functional theory for pairing with particle number restoration. <i>Physical Review C</i> , 2011, 84, .	2.9	18
32	Quantum Monte Carlo method applied to non-Markovian barrier transmission. <i>Physical Review C</i> , 2010, 81, .	2.9	12
33	DENSITY FUNCTIONAL FOR PAIRING WITH PARTICLE NUMBER CONSERVATION. <i>Modern Physics Letters A</i> , 2010, 25, 1854-1857.	2.9	28
34	Density-matrix functionals for pairing in mesoscopic superconductors. <i>Physical Review B</i> , 2010, 82, .	1.2	0
35		3.2	8