

Gregory Potel Aguilar

List of Publications by Year in descending order

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papers

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567281

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57
all docs

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docs citations

57
times ranked

655
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishing a theory for deuteron-induced surrogate reactions. Physical Review C, 2015, 92, .	2.9	77
2	Evidence for Phonon Mediated Pairing Interaction in the Halo of the Nucleus ${}^6\text{Li}$ Nuclei ${}^6\text{Li}$. Physical Review Letters, 2010, 105, 172502.	7.8	68
3	${}^{100}\text{Sn}$ and ${}^{100}\text{Pb}$. Physical Review Letters, 2010, 105, 172502.	7.8	65
4	Toward a complete theory for predicting inclusive deuteron breakup away from stability. European Physical Journal A, 2017, 53, 1.	2.5	62
5	Cooper pair transfer in nuclei. Reports on Progress in Physics, 2013, 76, 106301.	20.1	49
6	Explicit inclusion of nonlocality in deuteron breakup reactions. Physical Review C, 2016, 93, .	2.0	39
7	Demonstrating ${}^3\text{He}$ breakup reactions. Physical Review C, 2016, 93, .	2.0	39

#	ARTICLE	IF	CITATIONS
19	Restricted spin-range correction in the Oslo method: The example of nuclear level density and strength function from ^{13}Pu -ray Evidence of a Near-Threshold Resonance in ^{11}B	2.9	9
20	Relevant to the (d,p) surrogate method for (n,\hat{p}^3) reactions. Physical Review C, 2018, 98, .	7.8	9
21	Nonlocal interactions in the (d,p) surrogate method for (n,\hat{p}^3) reactions. Physical Review C, 2018, 98, .	2.9	8
22	Difference between stable and exotic nuclei: medium polarization effects. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 064022.	3.6	7
23	Nuclear field theory predictions for ^{11}Li and ^{12}Be : Shedding light on the origin of pairing in nuclei. Physics of Atomic Nuclei, 2014, 77, 941-968. Investigating neutron-proton pairing in ^{-11}Li -shell nuclei via $^{-11}\text{Li}(d,p)^{-10}\text{Li}$	0.4	7
24	Statistical properties of the well deformed $\text{Sm}^{153,155}$ nuclei and the scissors resonance. Physical Review C, 2021, 103, .	2.9	7
25	Reaction mechanism of two-neutron transfer in DWBA. EPJ Web of Conferences, 2011, 17, 01004.	0.3	7
26	Merging <i>ab initio</i> theory and few-body approach for (d, p) reactions. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 065103.	3.6	6
27	Stability properties of $ \hat{r} ^2$ in Bohmian dynamics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 299, 125-130.	2.1	5
28	From bare to renormalized order parameter in gauge space: Structure and reactions. Physical Review C, 2017, 96, .	2.9	5
29	Large Longitudinal Spin Alignment of Excited Projectiles in Intermediate Energy Inelastic Scattering. Physical Review Letters, 2017, 119, 232501.	7.8	5
30	Informing neutron capture nucleosynthesis on short-lived nuclei with (d,p) reactions. EPJ Web of Conferences, 2017, 165, 01013.	0.3	5
31	$^{11}\text{Li}(d,p)^{10}\text{Li}$ reaction as a specific probe of ^{10}Li , the paradigm of parity-inverted nuclei around the $N=6$ closed shell. Physical Review C, 2020, 101, .	2.9	4
32	Transient Weak Links between Superconducting Nuclei: Coherence Length. Nuclear Physics News, 2021, 31, 24-29.	0.4	4
33	Prediction for ^{10}Tf ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td	2.9	4
34	Pairing Interaction and Two-Nucleon Transfer Reactions. Nuclear Physics News, 2014, 24, 19-25.	0.4	3
35	Large longitudinal spin alignment generated in inelastic nuclear reactions. Physical Review C, 2018, 97, .	2.9	3

#	ARTICLE	IF	CITATIONS
37	Pairing Correlations with Single Cooper Pair Transfer to Individual Quantal States. , 2013, , 479-501.		2
38	Core polarization and neutron halos. Journal of Physics: Conference Series, 2014, 527, 012005.	0.4	2
39	Dual origin of pairing in nuclei. Physics of Atomic Nuclei, 2016, 79, 807-810.	0.4	2
40	New developments in reaction theory: preparing for the FRIB era. EPJ Web of Conferences, 2018, 178, 03001.	0.3	2
41	Radioactive beams and inverse kinematics: Probing the quantal texture of the nuclear vacuum. European Physical Journal A, 2019, 55, 1.	2.5	2
42	Pygmy resonances: whatâ€™s in a name?. Physica Scripta, 2019, 94, 114002.	2.5	2
43	Characterization of vorticity in pygmy resonances and soft-dipole modes with two-nucleon transfer reactions. European Physical Journal A, 2019, 55, 1.	2.5	2
44	Effects which will not blur the message of the ^1H (^{11}Li , ^9Li) ^3H reaction: observation of phononâ€™exchange pairing correlations in nuclei. Journal of Physics: Conference Series, 2011, 312, 092061.	0.4	1
45	Structure and reactions of N=7 isotones: parity inversion and transfer processes. EPJ Web of Conferences, 2019, 223, 01005.	0.3	1
46	The denatured state of HIV-1 protease under native conditions. Proteins: Structure, Function and Bioinformatics, 2022, 90, 96-109.	2.6	1
47	Impact of Restricted Spin-Ranges in the Oslo Method: The Example of $(d,p)^{240}\text{Pu}$. Springer Proceedings in Physics, 2021, , 195-202.	0.2	1
48	Microscopic Calculation of Absolute Values of Two-nucleon Transfer Cross Sections. , 2009, , .		0
49	Spatial dependence of the pairing gap in superfluid nuclei. , 2009, , .		0
50	Two-Particle Transfer Cross Sections and Nuclear Superfluidity. Progress of Theoretical Physics Supplement, 2012, 196, 225-229.	0.1	0
51	Dynamical Processes in the Structure of Halo Nuclei and Their Experimental Evidence. Progress of Theoretical Physics Supplement, 2012, 196, 407-413.	0.1	0
52	Investigating Neutron-Proton Pairing insd-Shell Nuclei via $(p,^3\text{He})$ and $(^3\text{He},p)$ Transfer Reactions. , 2015, , .		0
53	Extracting capture from transfer reactions. Journal of Physics: Conference Series, 2020, 1668, 012030.	0.4	0
54	Transient Joule- and (ac) Josephson-like photon emission in one- and two- nucleon tunneling processes between superfluid nuclei: Blackbody and coherent spectral functions. Physical Review C, 2022, 105, .	2.9	0