Gregory Potel Aguilar

List of Publications by Year
in descending order

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54 papers	748 citations	567281 15 h-index	552781 26 g-index
57 all docs	57 docs citations	57 times ranked	655 citing authors

#	Article	IF	Citations
1	The denatured state of <scp>HIV</scp>â€1 protease under native conditions. Proteins: Structure, Function and Bioinformatics, 2022, 90, 96-109.	2.6	1
2	Prediction for (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:	2.9	4
3	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
4	Evidence of a Near-Threshold Resonance in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">B</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>11</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> Relevant to the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" Quantum Entanglement	7.8	9
5	Quantum entanglement in nuclear Cooper-pair tunneling with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math> rays. Physical Review C, 2021, 103, .	2.9	11
6	Statistical properties of the well deformed Sm153,155 nuclei and the scissors resonance. Physical Review C, 2021, 103, .	2.9	7
7	Impact of Restricted Spin-Ranges in the Oslo Method: The Example of (d,p)240Pu. Springer Proceedings in Physics, 2021, , 195-202.	0.2	1
8	Transient Weak Links between Superconducting Nuclei: Coherence Length. Nuclear Physics News, 2021, 31, 24-29.	0.4	4
9	Microscopic Structure of the Low-Energy Electric Dipole Response of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Sn</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>120</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2021, 127, 242501.	7.8	11
10	Extracting capture from transfer reactions. Journal of Physics: Conference Series, 2020, 1668, 012030.	0.4	0
11	Accessing the Single-Particle Structure of the Pygmy Dipole Resonance in Pb208. Physical Review Letters, 2020, 125, 102503.	7.8	15
12	Merging ab initio theory and few-body approach for (d, p) reactions. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 065103.	3.6	6
13	Nuclear Reactions in Astrophysics: A Review of Useful Probes for Extracting Reaction Rates. Annual Review of Nuclear and Particle Science, 2020, 70, 147-170.	10.2	18
14	Li9(d,p) reaction as a specific probe of Li10 , the paradigm of parity-inverted nuclei around the N=6 closed shell. Physical Review C, 2020, 101, .	2.9	4
15	Direct Observation of Proton Emission in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Be</mml:mi></mml:mrow><mml:mprescripts /><mml:none /> Restricted spin-range correction in the Oslo method: The example of nuclear level density and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math> -ray	7.8	29
16	strength function from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Pu</mml:mi><mml:mprescripts /><mml:none /><mml:mn>239</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>d</mml:mi><mml:mo>,</mml:mo><mml:mi>p</mm	2.9	9
17	Radioactive beams and inverse kinematics: Probing the quantal texture of the nuclear vacuum. European Physical Journal A, 2019, 55, 1.	2.5	2
18	Pygmy resonances: whatâ€™s in a name?. Physica Scripta, 2019, 94, 114002.	2.5	2

#	Article	IF	Citations
19	Neutron Capture on Exotic Nuclei: Demonstrating <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo stretchy="false">(</mml:mo><mml:mi>d</mml:mi><mml:mo>,</mml:mo><mml:mi>p</mml:mi><mml:mi>Î³</mml:mi><mml:mo) Tj ET xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo		

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37	Pairing Interaction and Two-Nucleon Transfer Reactions. Nuclear Physics News, 2014, 24, 19-25.	0.4	3
38	Nuclear field theory predictions for 11Li and 12Be: Shedding light on the origin of pairing in nuclei. Physics of Atomic Nuclei, 2014, 77, 941-968.	0.4	7
39	Core polarization and neutron halos. Journal of Physics: Conference Series, 2014, 527, 012005.	0.4	2
40	Cooper pair transfer in nuclei. Reports on Progress in Physics, 2013, 76, 106301.	20.1	49
41	Evaporation-cost dependence in heavy-ion fragmentation. Physical Review C, 2013, 88, .	2.9	22
42	Quantitative study of coherent pairing modes with two-neutron transfer: Sn isotopes. Physical Review C, 2013, 87, .	2.9	24
43	Pairing Correlations with Single Cooper Pair Transfer to Individual Quantal States. , 2013, , 479-501.		2
44	Two-Particle Transfer Cross Sections and Nuclear Superfluidity. Progress of Theoretical Physics Supplement, 2012, 196, 225-229.	0.1	0
45	Dynamical Processes in the Structure of Halo Nuclei and Their Experimental Evidence. Progress of Theoretical Physics Supplement, 2012, 196, 407-413.	0.1	0
46	Effects which will not blur the message of the¹H (¹¹Li,⁹Li)³H reaction: observation of phononâ€“exchange pairing correlations in nuclei. Journal of Physics: Conference Series, 2011, 312, 092061.	0.4	1
47	Nuclei<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Sn</mml:mi><mml:mprescripts /><mml:none /><mml:mn>100</mml:mn></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Sn</mml:mi><mml:mprescripts /><mml:none /><mml:mn	7.8	65
48	Reaction mechanism of twoâ€“neutron transfer in DWBA. EPJ Web of Conferences, 2011, 17, 01004.	0.3	7
49	Difference between stable and exotic nuclei: medium polarization effects. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 064022.	3.6	7
50	Evidence for Phonon Mediated Pairing Interaction in the Halo of the Nucleus<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mprescripts /><mml:none /><mml:mn>11</mml:mn></mml:mmultiscripts></mml:math>. Physical Review Letters, 2010, 105, 172502.	7.8	68
51	Microscopic Calculation of Absolute Values of Two-nucleon Transfer Cross Sections. , 2009, , .		0
52	Spatial dependence of the pairing gap in superfluid nuclei. , 2009, , .		0
53	Quantum mechanical description of Stern-Gerlach experiments. Physical Review A, 2005, 71, .	2.5	20
54	Stability properties of |Î¨|2 in Bohmian dynamics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 299, 125-130.	2.1	5