Vasileios Soukeras

List of Publications by Year
in descending order

99	1,182	361413	414414
papers	citations	20 h-index	32 g-index

101	101	101	465
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reaction mechanisms of the weakly bound nuclei ^{6,7}Li and ^{7,9}Be on light targets at near barrier energies. European Physical Journal A. 2022. 58. 1.	2.5	14
2	Multichannel experimental and theoretical constraints for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Cd</mml:mi><mml:mprescripts /><mml:none		

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19	Recent experimental activity on heavy-ion induced reactions within the NUMEN project. EPJ Web of Conferences, 2021, 252, 04001.	0.3	0
20	Low energy proton induced reactions for CANS applications. EPJ Web of Conferences, 2021, 252, 06002.	0.3	0
21	Study of the 4He(4He,4He)4He* inelastic scattering at the MAGNEX facility. EPJ Web of Conferences, 2021, 252, 04007.	0.3	1
22	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>18</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mi>Se</mml:mi><mml:mprescripts /><mml:none /><mml:mn>76</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> elastic and inelastic scattering at 275 MeV. Physical Review C, 2021, 104, .	2.9	16
23	The NUMEN Technical Design Report. International Journal of Modern Physics A, 2021, 36, .	1.5	21
24	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>18</mml:mn></mml:mmultiscripts></mml:math> -induced single-nucleon transfer reactions on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ca</mml:mi><mml:mprescripts /><mml:none /><mml:mn>40</mml:mn></mml:mmultiscripts></mml:math> at <mml:math xmlns:mml="ht	2.9	19
25	The MAGNEX magnetic spectrometer for double charge exchange reactions. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 334-338.	1.4	35
26	Dominance of direct reaction channels at deep sub-barrier energies for weakly bound nuclei on heavy targets: The case <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">B</mml:mi><mml:mprescripts /><mml:none /><mml:mn>8</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mi>Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>208</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>. Physical Revie	2.9	23
27	New Results from the NUMEN Project. , 2020, , .		0
28	Analysis of two-nucleon transfer reactions in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Ne</mml:mi><mml:mprescripts /><mml:none /><mml:mn>20</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mi>Cd</mml:mi><mml:mprescripts /><mml:none /><mml:mn>116</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> system at 306 MeV. Physical Review C, 2020, 102, .	2.9	42
29	Analysis of the background on cross section measurements with the MAGNEX spectrometer: The (20Ne, 20O) Double Charge Exchange case. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 980, 164500.	1.6	24
30	Recent results on heavy-ion direct reactions of interest for 0Î½Î²Î² decay at INFN - LNS. Journal of Physics: Conference Series, 2020, 1610, 012004.	0.4	0
31	The NUMEN Heavy Ion Multidetector for a Complementary Approach to the Neutrinoless Double Beta Decay. Universe, 2020, 6, 129.	2.5	26
32	First comparison of GEANT4 hadrontherapy physics model with experimental data for a NUMEN project reaction case. European Physical Journal A, 2020, 56, 1.	2.5	10
33	Be9+p breakup at 5.67A MeV in a full kinematics approach. Physical Review C, 2020, 101, .	2.9	7
34	Global study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>9</mml:mn></mml:mmultiscripts><mml:mo>Â</mml:mo><mml:mo>+</mml:mo><mml:mo>Â</mml:mo><mml:mi>p</mml:mi></mml:mm at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2.72</mml:mn><mml:mi>A</mml:mi></mml:mrow></mml:m	2.9	6
35	Halo Effects in the Low-energy Scattering of (^{15})C with Heavy Targets. Acta Physica Polonica B, 2020, 51, 731.	0.8	1
36	A clear signature of the breakup modes for ⁹Be on a proton target at 5.6 MeV/nucleon. Journal of Physics: Conference Series, 2020, 1643, 012102.	0.4	0

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37	Study of the scattering of ¹⁵C at energies around the Coulomb barrier. Journal of Physics: Conference Series, 2020, 1643, 012095.	0.4	2
38	Direct processes for the systems 7Be,8B + 208Pb at Coulomb barrier energies. Journal of Physics: Conference Series, 2020, 1643, 012096.	0.4	0
39	Recent results on heavy-ion induced reactions of interest for neutrinoless double beta decay at INFN-LNS. Journal of Physics: Conference Series, 2020, 1643, 012074.	0.4	1
40	Study of the (^6{mathrm {Li}}+p) and (^7{mathrm {Li}}+p) Systems in the Continuum Discretized Coupled Channels Approach. Acta Physica Polonica B, 2020, 51, 737.	0.8	0
41	Background estimate in heavy-ion two-body reactions measured by the MAGNEX spectrometer. Journal of Physics: Conference Series, 2020, 1643, 012019.	0.4	0
42	Elastic scattering for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">B</mml:mi><mml:mprescripts /><mml:none /><mml:mn>8</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts>	2.9	38
43	Cross-section Measurement of the Cosmologically Relevant ⁷Be(n, l±)⁴He Reaction over a Broad Energy Range in a Single Experiment. Astrophysical Journal, 2019, 879, 23.	4.5	49
44	Recent results on Heavy-Ion induced reactions of interest for 0Î½Î²Î² decay. Journal of Physics: Conference Series, 2019, 1308, 012002.	0.4	0
45	The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2019, , .	0.4	1
46	New experimental campaign of NUMEN project. AIP Conference Proceedings, 2019, , .	0.4	0
47	The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2019, , .	0.4	0
48	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Ne</mml:mi><mml:mprescripts /><mml:none /><mml:mn>20</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mi>Ge</mml:mi><mml:mprescripts /><mml:none /><mml:mn>76</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> elastic and inelastic scattering at 306 MeV. Physical Review C, 2019, 100, .	2.9	36
49	Charge-state distributions of 20Ne ions emerging from thin foils. Results in Physics, 2019, 13, 102191.	4.1	22
50	Recent results on heavy-ion induced reactions of interest for neutrinoless double beta decay at INFN-LNS. EPJ Web of Conferences, 2019, 223, 01009.	0.3	0
51	Study of continuum excitation by light weakly bound projectiles on proton target. EPJ Web of Conferences, 2019, 223, 01058.	0.3	0
52	Coherent coupled-reaction-channels analysis of existing and new <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> + <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>9</mml:mn></mml:mmultiscripts></mml:math> data between 1.7 and 15 MeV/nucleon. Physical Review C, 2019, 99, .	2.9	7
53	A Microscopic Approach for $p+^9$Be at Energies Between 1.7 to 15 MeV/nucleon. Acta Physica Polonica B, 2019, 50, 1547.	0.8	4
54	The Cosmologically Relevant ^{7} Be(n, $$alpha $$) ^{4} He Reaction in View of the Recent THM Investigations. Springer Proceedings in Physics, 2019, , 53-56.	0.2	0

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55	New results from the NUMEN project. , 2019, , .		0
56	The nuclear matrix elements of 0Î½Î²Î² decay and the NUMEN project at INFN-LNS. EPJ Web of Conferences, 2018, 194, 02001.	0.3	1
57	Post-stripper study for the (²⁰Ne, ²⁰O) double charge exchange reaction at zero degrees with the MAGNEX spectrometer. Journal of Physics: Conference Series, 2018, 1056, 012052.	0.4	0
58	Experimental challenges for the measurement of the ¹¹⁶Cd(²⁰Ne,²⁰O)¹¹⁶Sn double charge exchange reaction at 15 AMeV. Journal of Physics: Conference Series, 2018, 1023, 012006.	0.4	0
59	Data reduction for experimental measurements within the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012010.	0.4	0
60	Reaction Dynamics for the Systems 7Be, 8B + 208Pb at Coulomb Barrier Energies. Journal of Physics: Conference Series, 2018, 1078, 012013.	0.4	0
61	Measuring nuclear reaction cross sections to extract information on neutrinoless double beta decay. Journal of Physics: Conference Series, 2018, 966, 012021.	0.4	1
62	Experimental challenges in the measurement of double charge exchange reactions within the NUMEN project. Journal of Physics: Conference Series, 2018, 1078, 012008.	0.4	1
63	Experimental issues for the measurement of the double charge exchange reactions within the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012011.	0.4	0
64	Heavyâ€“ion particle identification for the transfer reaction channels for the system 18O + 116Sn under the NUMEN Project. Journal of Physics: Conference Series, 2018, 1056, 012015.	0.4	0
65	7Be and 8B reaction dynamics at Coulomb barrier energies. EPJ Web of Conferences, 2018, 184, 02015.	0.3	0
66	The NUMEN project: NUclear Matrix Elements for Neutrinoless double beta decay. European Physical Journal A, 2018, 54, 1.	2.5	146
67	First Measurement of the ^{116}Cd(^{20}Ne,^{20}O)^{116}Sn Reaction at 15,A,MeV. Acta Physica Polonica B, 2018, 49, 275.	0.8	37
68	The 7Li(d, p)8Li reaction in inverse kinematics at 5.44 MeV/u. European Physical Journal A, 2017, 53, 1.	2.5	6
69	Global description of the Li7+p reaction at 5.44 MeV/u in a continuum-discretized coupled-channels approach. Physical Review C, 2017, 96, .	2.9	9
70	Elastic scattering of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mi>Si</mml:mi><mml:mprescripts /><mml:none /><mml:mn>28</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> at near-barrier energies. Physical Review C, 2017, 95, .	2.9	12
71	Multip : A Multi Purpose simulation Monte Carlo algorithm for two- and three-body reaction kinematics. European Physical Journal A, 2017, 53, 1.	2.5	11
72	Exclusive breakup of Li7 incident on a proton target at 5.44A MeV. Physical Review C, 2017, 95, .	2.9	16

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73	Breakup of Li6+p at near-barrier energies and the effect on elastic scattering. Physical Review C, 2017, 95, .	2.9	19
74	The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2017, , .	0.4	1
75	Reaction dynamics studies for the system 7Be + 208Pb at Coulomb barrier energies. EPJ Web of Conferences, 2017, 163, 00035.	0.3	3
76	The Trojan Horse Method for nuclear astrophysics and its recent applications. EPJ Web of Conferences, 2017, 165, 01032.	0.3	4
77	NURE: An ERC project to study nuclear reactions for neutrinoless double beta decay. , 2017, , .		6
78	Discrimination of Processes and Optical Model Analysis in the ^{17}O+^{58}Ni Collision Around the Coulomb Barrier. Acta Physica Polonica B, 2017, 48, 615.	0.8	0
79	Neutron decay of the Giant Pairing Vibration in¹⁵C. Journal of Physics: Conference Series, 2016, 724, 012006.	0.4	0
80	O17+Ni58scattering and reaction dynamics around the Coulomb barrier. Physical Review C, 2016, 94, .	2.9	11
81	Probing the cluster structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:math>via elastic scattering on protons and deuterons in inverse kinematics. Physical Review C, 2016, 94, .	2.9	16
82	Neutron decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mn>15</mml:mn></mml:mmultiscripts></mml:math>resonances by measurements of neutron knockout. Physical Review C, 2016, 93, .	2.9	38
83	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:none /><mml:mn>3</mml:mn></mml:mmultiscripts></mml:math> production in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>	2.9	19
84	The nuclear matrix elements of 0νî²î² decay and the NUMEN project at INFN-LNS. Journal of Physics: Conference Series, 2016, 730, 012006.	0.4	1
85	7Be- and8B-reaction dynamics at Coulomb barrier energies. EPJ Web of Conferences, 2016, 117, 06006.	0.3	4
86	Elastic scattering of17O+208Pb at energies near the Coulomb barrier. EPJ Web of Conferences, 2016, 117, 08027.	0.3	1
87	Reexamination of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">Li</mml:mi><mml:mprescripts /><mml:none /><mml:mn>6</mml:mn></mml:mmultiscripts></mml:mrow><mml:mo>+</mml:mo><mml:mi>p</mml:mi></mml:mrow></mml:math>Direct and compound-nucleus reaction mechanisms in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Be</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:mmultiscripts><mml:mspace width="4pt" /><mml:mo>+</mml:mo><mml:mspace width="4pt" /><mml:mmultiscripts><mml:mi mathvariant="normal">Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>58</mml:mn></mml:m	2.9	20
88		2.9	30
89	Reaction dynamics induced by the radioactive ion beam 7Be on medium-mass and heavy targets. AIP Conference Proceedings, 2015, , .	0.4	0
90	Elastic scattering for the system 6Li+p at near barrier energies with MAGNEX. , 2015, , .		2

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91	Study of the 6Li + p $ ightarrow$ 3He + 4He reaction in inverse kinematics. European Physical Journal A, 2015, 51, 1.	2.5	10
92	Elastic scattering measurements for the system 7Be+28Si at 17.2 MeV. , 2015, , .		1
93	Total reaction cross sections for 8Li + 90Zr at near-barrier energies. European Physical Journal A, 2015, 51, 1.	2.5	33
94	Important influence of single neutron stripping coupling on near-barrier 8Li + 90Zr quasi-elastic scattering. European Physical Journal A, 2015, 51, 1.	2.5	9
95	Total reaction cross sections at near barrier energies for 6,7Li on various targets. European Physical Journal A, 2014, 50, 1.	2.5	2
96	Elastic scattering of17O ions from58Ni at near-barrier energies. EPJ Web of Conferences, 2014, 66, 03087.	0.3	0
97	Fusion cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>8</mml:mn></mml:msup></mml:math>Bâ€‰+â€‰<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>28</mml:mn></mml:msup></mml:math>Si at near-barrier energies. Physical Review C, 2013, 87, .	2.9	39
98	BACKWARD ANGLE STRUCTURE IN THE ²⁰Ne+²⁸Si QUASIELASTIC SCATTERING. International Journal of Modern Physics E, 2013, 22, 1350073.	1.0	5
99	Energy reconstruction from PileUp events. , 2012, , .		0