

# Georgios Perdikakis

## List of Publications by Year in descending order

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Version: 2024-02-01

113  
papers

2,034  
citations

257450

24  
h-index

276875

41  
g-index

114  
all docs

114  
docs citations

114  
times ranked

1714  
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>r</i> -process nucleosynthesis: connecting rare-isotope beam facilities with the cosmos. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 083001. Novel technique for Constraining $r$ -Process	3.6	115
2		7.8	111
3	R Elastic scattering of $^6\text{Li}+^{28}\text{Si}$ at near-barrier energies. Physical Review C, 2004, 69, .	2.9	101
4	The elastic scattering of $^6\text{Li}+^{28}\text{Si}$ at near-barrier energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 556, 21-26.	4.1	86
5	Gamow-Teller Transition Strengths from $^{56}\text{Ni}$	7.8	82
6	Study of Antibacterial Composite $\text{Cu}/\text{SiO}_2$ Thin Coatings. Journal of Sol-Gel Science and Technology, 2003, 26, 1213-1218.	2.4	66
7	Observation of Low- and High-Energy Gamow-Teller Phonon Excitations in Nuclei. Physical Review Letters, 2014, 112, 112502.	7.8	63
8	Toward a complete theory for predicting inclusive deuteron breakup away from stability. European Physical Journal A, 2017, 53, 1.	2.5	62
9			

#	ARTICLE	IF	CITATIONS
19	Competition above the Neutron Threshold in the Decay of $^{60}\text{Co}$ . <i>Physical Review Letters</i> , 2007, 99, 102601.	2.8	34
20	Process Flow of $^{60}\text{Ni}$ . <i>Physical Review Letters</i> , 2007, 99, 102602.	2.8	32
21	LENDAs: A low energy neutron detector array for experiments with radioactive beams in inverse kinematics. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 686, 117-124.	1.6	31
22	Enhanced low-energy $\beta$ -decay strength of $^{60}\text{Ni}$ and its robustness within the shell model. <i>Physical Review C</i> , 2018, 97, .	2.9	28
23	$\beta$ -particle production: Direct and compound contribution in the reaction $\text{Li}7+\text{Si}28$ at near-barrier energies. <i>Physical Review C</i> , 2005, 71, .	2.9	25
24	Gamow-Teller Transition Strengths from $^{60}\text{Ti}$ . <i>Physical Review Letters</i> , 2007, 99, 102603.	7.8	25
25	Extraction of thermal and electromagnetic properties in $^{60}\text{Ti}$ and $^{60}\text{Ni}$ . <i>Physical Review C</i> , 2009, 80, .	2.9	24
26	Nuclear level density and $\beta$ -ray strength function of $^{43}\text{Sc}$ . <i>Physical Review C</i> , 2012, 85, .	2.9	24
27	The impact of $(n, \beta^-)$ reaction rate uncertainties of unstable isotopes near $N=50$ on the $i$ -process nucleosynthesis in He-shell flash white dwarfs. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2018, 45, 055203.	3.6	23
28	Fermi's golden rule applied to the $\beta$ decay in the quasicontinuum of $^{46}\text{Ti}$ . <i>Physical Review C</i> , 2011, 83, .	2.9	21
29	Activation cross section and isomeric cross-section ratio for the $(n, 2n)$ reaction on $^{191}\text{Ir}$ . <i>Physical Review C</i> , 2007, 75, .	2.9	20
30	$6,7\text{Li}+28\text{Si}$ total reaction cross sections at near barrier energies. <i>Nuclear Physics A</i> , 2007, 784, 13-24.	1.5	20
31	Spectroscopy of $^{13}\text{B}$ via the $(n, 2n)$ reaction. <i>Physical Review Letters</i> , 2007, 99, 102604.	2.9	20
32	High-resolution study of $^{60}\text{Zr}$ transitions in the $(n, 2n)$ reaction. <i>Physical Review Letters</i> , 2007, 99, 102605.	2.9	20







#	ARTICLE	IF	CITATIONS
91	SECAR: A recoil separator for nuclear astrophysics. EPJ Web of Conferences, 2022, 260, 11044.	0.3	2
92	In-beam $\gamma$ -ray spectroscopy of $^{32}\text{Mg}$ via direct reactions. Physical Review C, 2022, 105, .	2.9	2
93	On the radiation damage effects in semiconductors beyond the end of range of implanted protons at high energies and fluences. Nuclear Instruments & Methods in Physics Research B, 2005, 240, 168-173.	1.4	1
94	Application of ion beam analysis to the characterization of protective coatings prepared by plasma detonation techniques on steel samples. Nuclear Instruments & Methods in Physics Research B, 2005, 240, 371-375.	1.4	1
95	Study of the $^{241}\text{Am}(n,2n)^{240}\text{Am}$ reaction cross section in the energy range of $E_n = 8.8\text{--}11.1$ MeV. Journal of Radioanalytical and Nuclear Chemistry, 2007, 272, 223-226.	1.5	1
96	Correlation between channeling parameters and nitrogen doping concentration in n-type SiC polytype crystals studied by CW- and pulsed-EPR. Nuclear Instruments & Methods in Physics Research B, 2002, 195, 414-421.	1.4	0
97	Measurement of the monitored drift tubes response to energetic neutrons. , 0, , .		0
98	Investigation of the ATLAS MDT Chambers Response to Fast Neutron Background Radiation. , 0, , .		0
99	Neutron induced reactions at the Athens Tandem Accelerator of NCSR "Demokritos". AIP Conference Proceedings, 2006, , .	0.4	0
100	Neutron activation measurements on natural Ge and Hf. AIP Conference Proceedings, 2006, , .	0.4	0
101	Measurement of the $^{241}\text{Am}(n, 2n)$ reaction cross section, by the activation method. AIP Conference Proceedings, 2006, , .	0.4	0
102	Level Densities and $\beta$ -Strength Functions in Light Sc and Ti Isotopes. EPJ Web of Conferences, 2010, 2, 03003.	0.3	0
103	$\beta^2$ and Isomeric Decay of Nuclei in the $^{100}\text{Sn}$ Region. , 2010, , .		0
104	Gamow-Teller Transitions Starting from $T_{z}^{\text{GT}} = +3$ Nucleus $^{47}\text{Ti}$ . , 2011, , .		0
105	Gamow-Teller Transitions Starting from $T_{z}^{\text{GT}} = +3$ Nucleus $^{45}\text{Sc}$ . , 2011, , .		0
106	Do light nuclei display a universal $\beta$ -ray strength function?. EPJ Web of Conferences, 2012, 21, 04004.	0.3	0
107	Gamow-Teller transitions from $^{56}\text{Ni}$ . , 2012, , .		0
108	Soft spin-dipole resonances in $^{40}\text{Ca}$ . Journal of Physics: Conference Series, 2012, 381, 012096.	0.4	0

#	ARTICLE	IF	CITATIONS
109	Measurement of astrophysically important excitation energies of $^{58}\text{Zn}$ with GREINA. EPJ Web of Conferences, 2014, 66, 07013.	0.3	0
110	Determination and theoretical analysis of the differential cross sections of the $^2\text{H}(d,p)$ reaction at energies and detection angles suitable for NRA (Nuclear Reaction Analysis). EPJ Web of Conferences, 2014, 66, 10009.	0.3	0
111	Isomeric cross sections of neutron induced reactions on Ge and Ir isotopes. , 2007, , .		0
112	Nuclear Astrophysics with Radioactive Beams. , 2017, , .		0
113	Total absorption spectroscopy measurement on neutron-rich $^{74,75}\text{Cu}$ isotopes. Nuclear Physics A, 2022, 1018, 122359.	1.5	0