

# Natalie Jachowicz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7740072/publications.pdf>

Version: 2024-02-01

44  
papers

1,137  
citations

361413

20  
h-index

377865

34  
g-index

45  
all docs

45  
docs citations

45  
times ranked

546  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrino energy reconstruction from semi-inclusive samples. Physical Review C, 2022, 105, .	2.9	10
2	Benchmarking intranuclear cascade models for neutrino scattering with relativistic optical potentials. Physical Review C, 2022, 105, .	2.9	9
3	Angular distributions in MonteÂCarlo event generation of weak single-pion production. Physical Review D, 2021, 103, .	4.7	4
4	Modeling quasielastic interactions of monoenergetic kaon decay-at-rest neutrinos. Physical Review C, 2021, 103, .	2.9	14
5	Nuclear medium effects in neutrino- and antineutrino-nucleus scattering. European Physical Journal: Special Topics, 2021, 230, 4339-4356.	2.6	8
6	Constraints in modeling the quasielastic response in inclusive lepton-nucleus scattering. Physical Review C, 2020, 101, .	2.9	27
7	Lepton kinematics in low-energy neutrino-argon interactions. Physical Review C, 2020, 101, .	2.9	11
8	Electron versus Muon Neutrino Induced Cross Sections in Charged Current Quasielastic Processes. Physical Review Letters, 2019, 123, 052501.	7.8	22
9	Nuclear effects in electron-nucleus and neutrino-nucleus scattering within a relativistic quantum mechanical framework. Physical Review C, 2019, 100, .	2.9	37
10	Low-energy neutrino scattering in experiment and astrophysics. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 084003.	3.6	14
11	Forbidden transitions in neutral- and charged-current interactions between low-energy neutrinos and argon. Physical Review C, 2019, 100, .	2.9	14
12	Modeling Nuclear Effects for Neutrino-Nucleus Scattering in the Few-GeV Region. Springer Proceedings in Physics, 2019, , 155-156.	0.2	0
13	Pion production within the hybrid relativistic plane wave impulse approximation model at MiniBooNE and MINERvA kinematics. Physical Review D, 2018, 97, .	4.7	19
14	NuSTEC ÂWhite Paper: Status and challenges of neutrinoâ€nucleus scattering. Progress in Particle and Nuclear Physics, 2018, 100, 1-68.	14.4	206
15	Mean-field approach to reconstructed neutrino energy distributions in accelerator-based experiments. Physical Review C, 2018, 98, .	2.9	10
16	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle A \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ dependence of quasielastic charged-current neutrino-nucleus cross sections. Physical Review C, 2018, 97, .	2.9	13
17	Modeling neutrino-induced charged pion production on water at T2K kinematics. Physical Review D, 2018, 97, .	4.7	14
18	Electroweak single-pion production off the nucleon: From threshold to high invariant masses. Physical Review D, 2017, 95, .	4.7	27



#	ARTICLE	IF	CITATIONS
37	On the importance of low-energy beta beams for supernova neutrino physics. , 2006, , 43-48.		0
38	Detecting supernova neutrinos using neutrino-nucleus scattering reactions. Nuclear Physics A, 2005, 758, 51-54.	1.5	2
39	Spin-dependent neutrino-induced nucleon knockout. Physical Review C, 2005, 71, .	2.9	10
40	Identifying Neutrinos and Antineutrinos in Neutral-Current Scattering Reactions. Physical Review Letters, 2004, 93, 082501.	7.8	32
41	Influence of supernova-neutrino spectra on the neutrino signal in a terrestrial detector. Physical Review C, 2003, 68, .	2.9	18
42	Cross sections for neutral-current neutrino scattering on $^{208}\text{Pb}$ . Physical Review C, 2002, 66, .	2.9	28
43	Continuum random phase approximation approach to charged-current neutrino-nucleus scattering. Physical Review C, 2002, 65, .	2.9	75
44	Cross sections for neutral-current neutrino-nucleus interactions: Applications for $^{12}\text{C}$ and $^{16}\text{O}$ . Physical Review C, 1999, 59, 3246-3255.	2.9	54