

# Raymond Kozub

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3383145/publications.pdf>

Version: 2024-02-01

76  
papers

1,289  
citations

279798

23  
h-index

361022

35  
g-index

76  
all docs

76  
docs citations

76  
times ranked

855  
citing authors

#	ARTICLE	IF	CITATIONS
1	Destruction of $^{18}\text{F}$ via $^{18}\text{F}(p, \hat{1}\pm)^{15}\text{O}$ burning through the $E_c.m.=665\text{keV}$ resonance. <i>Physical Review C</i> , 2001, 63, .	2.9	107
2	Observation of the Astrophysically Important $3+$ State in $^{18}\text{Ne}$ via Elastic Scattering of a Radioactive $^{17}\text{F}$ Beam from H1. <i>Physical Review Letters</i> , 1999, 83, 45-48.	7.8	104
3	Direct reaction measurements with a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 132 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{Sn}$ radioactive ion beam. <i>Physical Review C</i> , 2011, 84, .	2.9	62
4	Neutron Single Particle Structure in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Sn} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 131 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ and Direct Neutron Capture Cross Sections. <i>Physical Review Letters</i> , 2012, 109, 172501.	7.8	58
5	The astrophysically important $3+$ state in $^{18}\text{Ne}$ and the $^{17}\text{F}(p, \hat{1}^3)^{18}\text{Ne}$ stellar rate. <i>Physical Review C</i> , 2000, 62, .	2.9	54
6	First study of the level structure of the r-process nucleus $^{83}\text{Ge}$ . <i>Physical Review C</i> , 2005, 71, .	2.9	48
7	Single-neutron excitations in neutron-rich $^{83}\text{Ge}$ and $^{85}\text{Se}$ . <i>Physical Review C</i> , 2007, 76, .	2.9	47
8	Nuclear structure properties of astrophysical importance for $^{19}\text{Ne}$ above the proton threshold energy. <i>Physical Review C</i> , 2007, 75, .	2.9	46
9	Astrophysically important $26\text{Si}$ states studied with the $^{28}\text{Si}(p, t)^{26}\text{Si}$ reaction. <i>Physical Review C</i> , 2002, 65, .	2.9	42
10	New constraints on the $^{18}\text{F}(p, \hat{1}\pm)^{15}\text{O}$ rate in novae from the $(d, p)$ reaction. <i>Physical Review C</i> , 2005, 71, . <a href="#">Search for a resonant enhancement of the <math>\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{Be} + \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle d \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle</math> reaction and primordial <math>\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle</math></a>	2.9	39
11	<a href="#">Search for a resonant enhancement of the <math>\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{Be} + \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle d \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle</math> reaction and primordial <math>\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle</math></a>	2.9	39
12	Astrophysically important $^{26}\text{Si}$ states studied with the $^{28}\text{Si}(p, t)^{26}\text{Si}$ reaction. II. Spin of the 5.914-MeV $^{26}\text{Si}$ level and galactic $^{26}\text{Al}$ production. <i>Physical Review C</i> , 2006, 74, .	2.9	38
13	Astrophysically important $^{31}\text{S}$ states studied with the $^{32}\text{S}(p, d)^{31}\text{S}$ reaction. <i>Physical Review C</i> , 2007, 76, .	2.9	34
14	First proton-transfer study of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 18 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ resonances relevant for novae. <i>Physical Review C</i> , 2011, 83, .	2.9	33
15	Search for astrophysically important $^{19}\text{Ne}$ levels with a thick-target $^{18}\text{F}(p, p)^{18}\text{F}$ measurement. <i>Physical Review C</i> , 2004, 70, .	2.9	30
16	Elastic scattering of the proton drip-line nucleus $^{17}\text{F}$ . <i>Physical Review C</i> , 2005, 72, .	2.9	30
17	First experimental constraints on the interference of $32+$ resonances in the $^{18}\text{F}(p, \hat{1}\pm)^{15}\text{O}$ reaction. <i>Physical Review C</i> , 2006, 74, .	2.9	29
18	The $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Si} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 28 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle \langle \text{mml:math} \rangle T_j \text{ ETQq0 0}^{29}\text{rgBT} / \text{Overlock } 10$		

#	ARTICLE	IF	CITATIONS
19	Constraint of the Astrophysical $S_{\alpha}$ Factor for the $^{18}\text{O}(\alpha, n)^{21}\text{Ne}$ Reaction. Physical Review C, 2007, 75, .	2.9	28
20	Measurement of the 183 keV resonance in $^{17}\text{O}(p, n)^{17}\text{F}$ using a novel technique. Physical Review C, 2007, 75, .	2.9	27
21	Constraint of the Astrophysical $S_{\alpha}$ Factor for the $^{26}\text{Mg}(p, n)^{26}\text{Al}$ Reaction. Physical Review C, 2007, 75, .	7.8	27
22	$^{19}\text{F}$ widths and the $^{18}\text{F}$ pre-reaction rates. Physical Review C, 2005, 71, .	2.9	25
23	Structures of exotic $^{131}\text{S}$ and $^{133}\text{S}$ isotopes and effect on $r$ -process nucleosynthesis. Physical Review C, 2012, 86, .	2.9	25
24	Study of the $^{124}\text{Sn}(d, p)^{124}\text{Sb}$ reaction in inverse kinematics close to the Coulomb barrier. Physical Review C, 2004, 70, .	2.9	23
25	Kinematically complete measurement of the $^{18}\text{F}(p, n)^{18}\text{O}$ excitation function for the astrophysically important 7.08-MeV state in $^{19}\text{Ne}$ . Physical Review C, 2000, 62, .	2.9	22
26	Single-nucleon transfer reactions on $^{18}\text{F}$ . Physical Review C, 2011, 84, .	2.9	20
27	$^{30}\text{S}$ studied with the spectroscopic study of low-lying $^{16}\text{N}$ levels. Physical Review C, 2008, 78, .	2.9	19
28	Spectroscopic study of low-lying $^{16}\text{N}$ levels. Physical Review C, 2008, 78, .	2.9	18
29	Search for the admixture of heavy neutrinos in the recoil spectra of $^{37}\text{Ar}$ decay. Physical Review C, 1998, 58, 2512-2525.	2.9	15
30	Neutron single particle strengths from the $(d, p)$ reaction on $^{18}\text{F}$ . Physical Review C, 2006, 73, .	2.9	15
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#	ARTICLE	IF	CITATIONS
73	Direct reaction experimental studies with beams of radioactive tin ions. AIP Conference Proceedings, 2015, , .	0.4	0
74	GAMMASPHERE AND ORRUBA: DUAL DETECTORS FOR EXPERIMENTAL STRUCTURE STUDIES. , 2013, , .		0
75	Transfer Reactions with $^{134}\text{Xe}$ . , 2017, , .		0
76	Proton Decay of $^{21}\text{Na}$ for $^{20}\text{Ne}$ Energy Levels. Journal of the Korean Physical Society, 2020, 77, 383-387.	0.7	0