

# Claudio Spitaleri

## List of Publications by Citations

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315  
papers

5,263  
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42  
h-index

60  
g-index

429  
ext. papers

5,953  
ext. citations

2.2  
avg, IF

4.77  
L-index

| #   | Paper  | IF   | Citations |
|-----|--|------|-----------|
| 315 | Solar fusion cross sections. II. The pp chain and CNO cycles. <i>Reviews of Modern Physics</i> , <b>2011</b> , 83, 195-245   | 40.5 | 461       |
| 314 | Indirect techniques in nuclear astrophysics: a review. <i>Reports on Progress in Physics</i> , <b>2014</b> , 77, 106901  | 14.4 | 139       |
| 313 | The Bare Astrophysical S(E) Factor of the ${}^7\text{Li}(p, \alpha){}^4\text{He}$ Reaction. <i>Astrophysical Journal</i> , <b>2001</b> , 562, 1076-1080  | 4.7  | 97        |
| 312 | Trojan horse method applied to ${}^2\text{H}({}^6\text{Li}, \alpha){}^4\text{He}$ at astrophysical energies. <i>Physical Review C</i> , <b>2001</b> , 63,  | 2.7  | 95        |
| 311 | The ${}^{11}\text{B}(p, \alpha){}^8\text{Be}$ reaction at sub-Coulomb energies via the Trojan-horse method. <i>Physical Review C</i> , <b>2004</b> , 69,   | 2.7  | 93        |
| 310 | Indirect ${}^7\text{Li}(p, \alpha){}^4\text{He}$ reaction at astrophysical energies. <i>Physical Review C</i> , <b>1999</b> , 60,  | 2.7  | 88        |
| 309 | The ${}^6\text{He}$ scattering and reactions on ${}^{12}\text{C}$ and cluster states of ${}^{14}\text{C}$ . <i>Nuclear Physics A</i> , <b>2004</b> , 730, 285-298  | 1.3  | 75        |
| 308 | THE FLUORINE DESTRUCTION IN STARS: FIRST EXPERIMENTAL STUDY OF THE ${}^{19}\text{F}(p, \alpha){}^{16}\text{O}$ REACTION AT ASTROPHYSICAL ENERGIES. <i>Astrophysical Journal Letters</i> , <b>2011</b> , 739, L54 | 7.9  | 74        |
| 307 | An increase in the C + C fusion rate from resonances at astrophysical energies. <i>Nature</i> , <b>2018</b> , 557, 687-690   | 30.4 | 74        |
| 306 | The Trojan Horse Method in nuclear astrophysics. <i>Physics of Atomic Nuclei</i> , <b>2011</b> , 74, 1725-1739   | 0.4  | 72        |
| 305 | Electron-screening effects on fusion reactions. <i>Die Naturwissenschaften</i> , <b>2001</b> , 88, 461-467   | 2    | 71        |
| 304 | Indirect Investigation of the D + ${}^6\text{Li}$ Reaction at Low Energies Relevant for Nuclear Astrophysics. <i>Astrophysical Journal</i> , <b>1996</b> , 457, 855  | 4.7  | 69        |
| 303 | A NOVEL APPROACH TO MEASURE THE CROSS SECTION OF THE ${}^{18}\text{O}(p, \alpha){}^{15}\text{N}$ RESONANT REACTION IN THE 0-200 keV ENERGY RANGE. <i>Astrophysical Journal</i> , <b>2010</b> , 708, 796-811      | 4.7  | 66        |
| 302 | ${}^6\text{He} + \alpha$ clustering in ${}^{10}\text{Be}$ . <i>Europhysics Letters</i> , <b>1996</b> , 34, 7-12  | 1.6  | 66        |
| 301 | BIG BANG NUCLEOSYNTHESIS REVISITED VIA TROJAN HORSE METHOD MEASUREMENTS. <i>Astrophysical Journal</i> , <b>2014</b> , 786, 112   | 4.7  | 65        |
| 300 | Validity test of the Trojan horse method applied to the ${}^6\text{Li}(p, \alpha){}^4\text{He}$ reaction. <i>Physical Review C</i> , <b>2003</b> , 67,   | 2.7  | 64        |
| 299 | Measurement of the 20 and 90 keV resonances in the ${}^{18}\text{O}(p, \alpha){}^{15}\text{N}$ reaction via the Trojan horse method. <i>Physical Review Letters</i> , <b>2008</b> , 101, 152501                  | 7.4  | 59        |

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|-----|---|-----|----|
| 298 | Bare-nucleus astrophysical factor of the $\text{He}^3(\text{d},\text{p})\text{He}^4$ reaction via the Trojan horse method. <i>Physical Review C</i> , <b>2005</b> , 72,   | 2.7 | 59 |
| 297 | Astrophysical S(E) factor of the $\text{N}^{15}(\text{p},\text{n})\text{C}^{12}$ reaction at sub-Coulomb energies via the Trojan horse method. <i>Physical Review C</i> , <b>2007</b> , 76,   | 2.7 | 57 |
| 296 | New high accuracy measurement of the $\text{O}^{17}(\text{p},\text{n})\text{N}^{14}$ reaction rate at astrophysical temperatures. <i>Physical Review C</i> , <b>2010</b> , 82,  | 2.7 | 56 |
| 295 | NEW DETERMINATION OF THE $2\text{H}(\text{d},\text{p})3\text{H}$ AND $2\text{H}(\text{d},\text{n})3\text{He}$ REACTION RATES AT ASTROPHYSICAL ENERGIES. <i>Astrophysical Journal</i> , <b>2014</b> , 785, 96                                  | 4.7 | 55 |
| 294 | Excitation function of the quasifree contribution in the $2\text{H}(\text{Li}, \alpha\alpha)\text{n}$ reaction at $E_0=28-48$ MeV. <i>Physical Review C</i> , <b>1989</b> , 40, 181-185   | 2.7 | 55 |
| 293 | Nuclear astrophysics and the Trojan Horse Method. <i>European Physical Journal A</i> , <b>2016</b> , 52, 1  | 2.5 | 55 |
| 292 | First application of the Trojan horse method with a radioactive ion beam: Study of the $^{18}\text{F}(\text{p},\text{n})^{15}\text{O}$ reaction at astrophysical energies. <i>Physical Review C</i> , <b>2015</b> , 92,                       | 2.7 | 54 |
| 291 | AN UPDATED $^6\text{Li}(\text{p}, \text{n})^4\text{He}$ REACTION RATE AT ASTROPHYSICAL ENERGIES WITH THE TROJAN HORSE METHOD. <i>Astrophysical Journal</i> , <b>2013</b> , 768, 65  | 4.7 | 54 |
| 290 | Suppression of the Coulomb interaction in the off-energy-shell $\text{p} - \text{p}$ scattering from the $\text{p} + \text{d} \rightarrow \text{p} + \text{p} + \text{n}$ reaction. <i>Physical Review Letters</i> , <b>2007</b> , 98, 252502 | 7.4 | 51 |
| 289 | Sequential decay reactions induced by a 18 MeV $^6\text{He}$ beam on $^6\text{Li}$ and $^7\text{Li}$ . <i>Nuclear Physics A</i> , <b>2005</b> , 753, 263-287  | 1.3 | 51 |
| 288 | Trojan Horse as an indirect technique in nuclear astrophysics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2008</b> , 35, 014016   | 2.9 | 50 |
| 287 | Perspectives for photonuclear research at the Extreme Light Infrastructure - Nuclear Physics (ELI-NP) facility. <i>European Physical Journal A</i> , <b>2015</b> , 51, 1  | 2.5 | 49 |
| 286 | Recent evaluation of the $^7\text{Li}(\text{p},\text{n})^4\text{He}$ reaction rate at astrophysical energies via the Trojan Horse method. <i>Astronomy and Astrophysics</i> , <b>2012</b> , 541, A158   | 5.1 | 49 |
| 285 | Influence of the d-state component of the deuteron wave function on the application of the Trojan horse method. <i>Physical Review C</i> , <b>2012</b> , 85,  | 2.7 | 46 |
| 284 | ON THE MEASUREMENT OF THE $^{13}\text{C}(\text{n})^{16}\text{O}$ S-FACTOR AT NEGATIVE ENERGIES AND ITS INFLUENCE ON THE s-PROCESS. <i>Astrophysical Journal</i> , <b>2013</b> , 777, 143  | 4.7 | 46 |
| 283 | Trojan horse particle invariance studied with the $\text{Li}^6(\text{d},\text{n})^4\text{He}$ and $\text{Li}^7(\text{p},\text{n})^4\text{He}$ reactions. <i>Physical Review C</i> , <b>2011</b> , 83,   | 2.7 | 45 |
| 282 | New astrophysical S factor for the $\text{N}^{15}(\text{p},\text{n})\text{O}^{16}$ reaction via the asymptotic normalization coefficient (ANC) method. <i>Physical Review C</i> , <b>2008</b> , 78,   | 2.7 | 45 |
| 281 | New measurement of the $^{11}\text{B}(\text{p},\text{n})^8\text{Be}$ bare-nucleus S(E) factor via the Trojan horse method. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2012</b> , 39, 015106                               | 2.9 | 44 |

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|-----|---|-----|----|
| 280 | Effects of distortion of the intercluster motion in H2, He3, H3, Li6, and Be9 on Trojan horse applications. <i>Physical Review C</i> , <b>2009</b> , 80,  | 2.7 | 44 |
| 279 | High-Precision Probe of the Fully Sequential Decay Width of the Hoyle State in $^{12}\text{C}$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 132501   | 7.4 | 43 |
| 278 | Proton-induced lithium destruction cross-section and its astrophysical implications. <i>Astronomy and Astrophysics</i> , <b>2003</b> , 398, 423-427   | 5.1 | 43 |
| 277 | Improved information on the $2\text{H}(6\text{Li},\alpha)\text{He}$ reaction extracted via the "Trojan horse" method. <i>Physical Review C</i> , <b>2001</b> , 64,  | 2.7 | 43 |
| 276 | New Improved Indirect Measurement of the $^{19}\text{F}(p,\alpha)^{16}\text{O}$ Reaction at Energies of Astrophysical Relevance. <i>Astrophysical Journal</i> , <b>2017</b> , 845, 19   | 4.7 | 42 |
| 275 | Suppression of the centrifugal barrier effects in the off-energy-shell neutron + $^{17}\text{O}$ interaction. <i>Physical Review C</i> , <b>2013</b> , 87,  | 2.7 | 42 |
| 274 | Study of the $6\text{Li}(n,\alpha)\text{H}$ reaction via the $2\text{H}$ quasi-free break-up. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2010</b> , 37, 125105  | 2.9 | 42 |
| 273 | Investigation of the $\alpha$ -cluster structure of $\text{Ne}^{22}$ and $\text{Mg}^{22}$ . <i>Physical Review C</i> , <b>2004</b> , 69,  | 2.7 | 42 |
| 272 | Quasi-free $6\text{Li}(n,\alpha)\text{H}$ reaction at low energy from $2\text{H}$ break-up. <i>European Physical Journal A</i> , <b>2005</b> , 25, 649-650  | 2.5 | 41 |
| 271 | Influence of the $\alpha$ motion in $\text{Li}^6$ on Trojan horse applications. <i>Physical Review C</i> , <b>2005</b> , 71,  | 2.7 | 41 |
| 270 | Improved information on electron screening in $7\text{Li}(p,\alpha)\text{He}$ using the Trojan-horse method. <i>European Physical Journal A</i> , <b>2000</b> , 9, 435-437  | 2.5 | 41 |
| 269 | Measurement of the 10 keV resonance in the $\text{B}^{10}(p,\alpha)\text{Be}^7$ reaction via the Trojan Horse method. <i>Physical Review C</i> , <b>2014</b> , 90,  | 2.7 | 40 |
| 268 | EFFECT OF HIGH-ENERGY RESONANCES ON THE $^{18}\text{O}(p,\alpha)^{15}\text{N}$ REACTION RATE AT AGB AND POST-AGB RELEVANT TEMPERATURES. <i>Astrophysical Journal</i> , <b>2010</b> , 723, 1512-1522                               | 4.7 | 40 |
| 267 | Trojan horse method applied to $^9\text{Be}(p,\alpha)^6\text{Li}$ at astrophysical energies. <i>Physical Review C</i> , <b>2008</b> , 78,   | 2.7 | 40 |
| 266 | Trojan Horse estimate of bare nucleus astrophysical $S(E)$ -factor for the $^6\text{Li}(p,\alpha)^3\text{He}$ reaction and its astrophysical implications. <i>Astronomy and Astrophysics</i> , <b>2005</b> , 438, 779-784         | 5.1 | 40 |
| 265 | THE RGB AND AGB STAR NUCLEOSYNTHESIS IN LIGHT OF THE RECENT $^{17}\text{O}(p,\alpha)^{14}\text{N}$ AND $^{18}\text{O}(p,\alpha)^{15}\text{N}$ REACTION-RATE DETERMINATIONS. <i>Astrophysical Journal</i> , <b>2013</b> , 764, 128 | 4.7 | 38 |
| 264 | Measurement of the -3 keV resonance in the reaction $^{13}\text{C}(\alpha,n)^{16}\text{O}$ of importance in the s-process. <i>Physical Review Letters</i> , <b>2012</b> , 109, 232701   | 7.4 | 38 |
| 263 | Validity test of the Trojan Horse Method applied to the $7\text{Li} + p \rightarrow \alpha + \text{He}$ reaction via the $3\text{He}$ break-up. <i>European Physical Journal A</i> , <b>2006</b> , 27, 243-248                    | 2.5 | 38 |

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|-----|--|-----|----|
| 262 | Impulse distribution of the $\bar{n}$ motion in Li6. <i>Physical Review C</i> , <b>1980</b> , 21, 1104-1106  | 2.7 | 38 |
| 261 | Trojan Horse measurement of the $^{18}\text{F}(p, \alpha)^{15}\text{O}$ astrophysical $S(E)$ -factor. <i>European Physical Journal A</i> , <b>2016</b> , 52, 1   | 2.5 | 36 |
| 260 | Improved determination of the astrophysical $S(0)$ factor of the $^{15}\text{N}(p, \alpha)^{12}\text{C}$ reaction. <i>Physical Review C</i> , <b>2009</b> , 80,  | 2.7 | 36 |
| 259 | Low-energy $^{9}\text{Be}(p, \alpha)^{6}\text{Li}$ reaction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 700, 111-115  | 4.2 | 36 |
| 258 | Boron depletion: indirect measurement of the $^{10}\text{B}(p, \alpha)^{7}\text{Be}$ $S(E)$ -factor. <i>Nuclear Physics A</i> , <b>2007</b> , 787, 309-314   | 1.3 | 36 |
| 257 | Study of the $^{9}\text{Be}(p, \alpha)^{6}\text{Li}$ reaction via the Trojan Horse Method. <i>European Physical Journal A</i> , <b>2006</b> , 27, 221-225  | 2.5 | 36 |
| 256 | Measurement of cross section and astrophysical factor of the $d(d, p)t$ reaction using the Trojan Horse Method. <i>Nuclear Physics A</i> , <b>2005</b> , 758, 146-149  | 1.3 | 36 |
| 255 | Updated evidence of the Trojan horse particle invariance for the $2\text{H}(d, p)^3\text{H}$ reaction. <i>Physical Review C</i> , <b>2013</b> , 87,  | 2.7 | 35 |
| 254 | UPDATED THM ASTROPHYSICAL FACTOR OF THE $^{19}\text{F}((p, \alpha)^{16}\text{O})$ REACTION AND INFLUENCE OF NEW DIRECT DATA AT ASTROPHYSICAL ENERGIES. <i>Astrophysical Journal</i> , <b>2015</b> , 805, 128                           | 4.7 | 33 |
| 253 | Off-energy-shell $p\bar{n}$ scattering at sub-Coulomb energies via the Trojan horse method. <i>Physical Review C</i> , <b>2008</b> , 78,   | 2.7 | 33 |
| 252 | The Trojan Horse Method in nuclear astrophysics. <i>Nuclear Physics A</i> , <b>2003</b> , 719, C99-C106  | 1.3 | 33 |
| 251 | Toward a reassessment of the $^{19}\text{F}(p, \alpha)^{16}\text{O}$ reaction rate at astrophysical temperatures. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 748, 178-182 | 4.2 | 32 |
| 250 | ASTROPHYSICAL IMPACT OF THE UPDATED $^{9}\text{Be}(p, \alpha)^{6}\text{Li}$ AND $^{10}\text{B}(p, \alpha)^{7}\text{Be}$ REACTION RATES AS DEDUCED BY THM. <i>Astrophysical Journal</i> , <b>2015</b> , 811, 99                         | 4.7 | 30 |
| 249 | First Measurement of the $^{19}\text{F}(p, \alpha)^{16}\text{O}$ Reaction at Energies of Astrophysical Relevance. <i>Astrophysical Journal</i> , <b>2017</b> , 836, 57   | 4.7 | 29 |
| 248 | Erratum to [Low-energy $d+d$ fusion reactions via the Trojan Horse Method][Phys. Lett. B 700 (2) (2011) 111]. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 705, 546         | 4.2 | 29 |
| 247 | Indirect measurement of nuclear reaction cross sections at astrophysical energies. <i>Nuclear Physics A</i> , <b>1997</b> , 621, 139-142   | 1.3 | 29 |
| 246 | Cross-section Measurement of the Cosmologically Relevant $^7\text{Be}(n, \alpha)^4\text{He}$ Reaction over a Broad Energy Range in a Single Experiment. <i>Astrophysical Journal</i> , <b>2019</b> , 879, 23                           | 4.7 | 28 |
| 245 | Improvement of the high-accuracy $^{17}\text{O}(p, \alpha)^{14}\text{N}$ reaction-rate measurement via the Trojan Horse method for application to $^{17}\text{O}$ nucleosynthesis. <i>Physical Review C</i> , <b>2015</b> , 91,        | 2.7 | 28 |

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|-----|--|-----|----|
| 244 | Low-energy radioactive ion beam induced nuclear reactions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>1998</b> , 24, 1553-1559   | 2.9 | 28 |
| 243 | The quasi-free reaction between 3 and 12 MeV. <i>Nuclear Physics A</i> , <b>1986</b> , 458, 493-501  | 1.3 | 28 |
| 242 | The 6 He + 6 Li reactions and exotic states of 10 Be. <i>Europhysics Letters</i> , <b>1999</b> , 48, 616-622   | 1.6 | 27 |
| 241 | On the Determination of the ${}^7\text{Be}(n, p){}^6\text{He}$ Reaction Cross Section at BBN Energies. <i>Astrophysical Journal</i> , <b>2017</b> , 850, 175   | 4.7 | 26 |
| 240 | A Trojan Horse Approach to the Production of ${}^{18}\text{F}$ in Novae. <i>Astrophysical Journal</i> , <b>2017</b> , 846, 65  | 4.7 | 25 |
| 239 | Molecular structures in T=1 states of ${}^{10}\text{B}$ . <i>Physical Review C</i> , <b>2011</b> , 84,   | 2.7 | 25 |
| 238 | Assessing the near threshold cross section of the ${}^{17}\text{O}(n, p){}^{16}\text{N}$ reaction by means of the Trojan horse method. <i>Physical Review C</i> , <b>2017</b> , 95,                                | 2.7 | 23 |
| 237 | Astrophysics studies with the Trojan Horse Method. <i>European Physical Journal A</i> , <b>2019</b> , 55, 1  | 2.5 | 23 |
| 236 | Measurement of the ${}^{10}\text{B}(p, \alpha){}^7\text{Be}$ cross section from 5 keV to 1.5 MeV in a single experiment using the Trojan horse method. <i>Physical Review C</i> , <b>2017</b> , 95,                | 2.7 | 22 |
| 235 | New Advances in the Trojan Horse Method as an Indirect Approach to Nuclear Astrophysics. <i>Few-Body Systems</i> , <b>2013</b> , 54, 745-753   | 1.6 | 22 |
| 234 | New investigations of the ${}^{10}\text{B}(p, \alpha){}^7\text{Be}$ reaction at bombarding energies between 0.6 and 1 MeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2016</b> , 43, 045109    | 2.9 | 22 |
| 233 | Indirect techniques in nuclear astrophysics. <i>European Physical Journal A</i> , <b>2006</b> , 27, 205-215  | 2.5 | 21 |
| 232 | Indirect measurement of the ${}^{15}\text{N}(p, n){}^{15}\text{C}$ reaction cross section through the Trojan-Horse Method. <i>European Physical Journal A</i> , <b>2006</b> , 27, 249-254                          | 2.5 | 21 |
| 231 | Quasifree reaction mechanism in $2\text{H}({}^6\text{Li}, {}^3\text{He} \alpha)n$ at $E_0=21.6-33.6$ MeV. <i>Physical Review C</i> , <b>1990</b> , 41, 1848-1850   | 2.7 | 21 |
| 230 | Asymptotic normalization coefficients from the ${}^{14}\text{C}(d, p){}^{15}\text{C}$ reaction. <i>Physical Review C</i> , <b>2011</b> , 84,   | 2.7 | 20 |
| 229 | The $\alpha$ <i>European Physical Journal A</i> , <b>2000</b> , 7, 181   | 2.5 | 20 |
| 228 | The electron screening puzzle and nuclear clustering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 755, 275-278   | 4.2 | 19 |
| 227 | Indirect study of the astrophysically important ${}^{15}\text{O}(p, n){}^{15}\text{N}$ reaction through $2\text{H}({}^{18}\text{Ne}, {}^{19}\text{Ne}){}^1\text{H}$ . <i>Physical Review C</i> , <b>2002</b> , 66, | 2.7 | 19 |

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|-----|--|-----|----|
| 226 | The $^{19}\text{F}(\alpha, p)^{22}\text{Ne}$ Reaction at Energies of Astrophysical Relevance by Means of the Trojan Horse Method and Its Implications in AGB Stars. <i>Astrophysical Journal</i> , <b>2018</b> , 860, 61                                   | 4.7 | 18 |
| 225 | Indirect measurement of the $^{18}\text{O}(p, n)^{15}\text{N}$ reaction rate through the THM. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2008</b> , 35, 014014   | 2.9 | 18 |
| 224 | Cross-section of $^8\text{Li}(\alpha, n)^{11}\text{B}$ : Inhomogeneous Big Bang nucleosynthesis. <i>European Physical Journal A</i> , <b>2004</b> , 20, 355-358  | 2.5 | 18 |
| 223 | Energy dependence of the quasi-free $^9\text{Be}(^3\text{He}, ^4\text{He})$ reaction near the coulomb barrier <b>1978</b> , 45, 405-418  |     | 18 |
| 222 | Measurement of the $\text{H}_2(\text{d}, \text{p})\text{H}_3$ reaction at astrophysical energies via the Trojan-horse method. <i>Physical Review C</i> , <b>2015</b> , 92,   | 2.7 | 17 |
| 221 | On the magnitude of the $^8\text{Li} + ^4\text{He} \rightarrow ^{11}\text{B} + n$ reaction cross section at the Big-Bang temperature. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2008</b> , 664, 157-161 | 4.2 | 17 |
| 220 | $^4\text{H}$ nucleus and the $2\text{H}(\text{t}, \text{tp})\text{n}$ reaction. <i>Physical Review C</i> , <b>1991</b> , 44, 325-328   | 2.7 | 17 |
| 219 | Quasi-free contribution to the $^9\text{Be}(^3\text{He}, ^4\text{He})$ reaction at 2.8 MeV. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ  Italiana Di Fisica</i> , <b>1976</b> , 17, 231-237  |     | 17 |
| 218 | Indirect Study of the Astrophysically Relevant $^6\text{Li}(p, n)^4\text{He}$ Reaction by Means of the Trojan Horse Method. <i>Progress of Theoretical Physics Supplement</i> , <b>2004</b> , 154, 341-348   |     | 15 |
| 217 | Indirect Techniques in Nuclear Astrophysics. Asymptotic Normalization Coefficient and Trojan Horse. <i>Nuclear Physics A</i> , <b>2007</b> , 787, 321-328  | 1.3 | 13 |
| 216 | Reactions induced by 18 MeV $^6\text{He}$ beam on $^6\text{Li}$ , $^7\text{Li}$ and $^{12}\text{C}$ . <i>Nuclear Physics A</i> , <b>2004</b> , 746, 183-187  | 1.3 | 13 |
| 215 | Quasi-free processes in $^6\text{Li}(^3\text{He}, ^4\text{He})$ reaction at low energies. <i>Nuclear Physics A</i> , <b>1987</b> , 474, 373-380  | 1.3 | 13 |
| 214 | On the derivation of the PWIA cross-section for quasi-free reactions. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ  Italiana Di Fisica</i> , <b>1978</b> , 22, 547-552  |     | 13 |
| 213 | Evidence for $^{15}\text{O}$ -resonance structures in $^{19}\text{Ne}$ via direct measurement. <i>Physical Review C</i> , <b>2017</b> , 96,  | 2.7 | 12 |
| 212 | $^5\text{He}$ decaying states and the ground-state rotational band of $^9\text{Be}$ . <i>Europhysics Letters</i> , <b>1998</b> , 41, 489-494   |     | 12 |
| 211 | Triple resonances in the $^6\text{Li} + ^6\text{Li} \rightarrow ^3\text{He}$ reaction at low energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2015</b> , 750, 59-63                                    | 4.2 | 11 |
| 210 | A fast and complete GEANT4 and ROOT Object-Oriented Toolkit: GROOT. <i>EPJ Web of Conferences</i> , <b>2017</b> , 165, 01034   | 0.3 | 11 |
| 209 | DWBA momentum distribution and its effect on THM. <i>Nuclear Physics A</i> , <b>2010</b> , 834, 658c-660c  | 1.3 | 11 |



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|-----|---|-----|----|
| 208 | Test of the Pauli principle in nuclear reactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 252, 487-490  | 4.2 | 11 |
| 207 | Treiman-Yang criterion as a test of the pole approximation in the $\text{Be}9(\text{He}3, \text{H})\text{He}4$ reaction. <i>Physical Review C</i> , <b>1981</b> , 24, 1394-1399   | 2.7 | 11 |
| 206 | Study of the $10\text{B}(\text{p}, (\alpha_{1}))7\text{Be}$ reaction by means of the Trojan Horse Method. <i>European Physical Journal A</i> , <b>2018</b> , 54, 1  | 2.5 | 11 |
| 205 | Gamma ray beams for Nuclear Astrophysics: first results of tests and simulations of the ELISSA array. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, C03079-C03079   | 1   | 10 |
| 204 | Observation of $\text{N}15$ resonant structures in $\text{F}19$ using the thick target in inverse kinematics scattering method. <i>Physical Review C</i> , <b>2019</b> , 99,  | 2.7 | 10 |
| 203 | Quasifree mechanism in the $\text{Li}6 + \text{Li}6 \rightarrow 3\text{H}$ reaction at low energy. <i>Physical Review C</i> , <b>2015</b> , 91,   | 2.7 | 10 |
| 202 | $7\text{Li}$ quasi-free scattering off the $\alpha$ cluster in $9\text{Be}$ nucleus. <i>European Physical Journal A</i> , <b>1998</b> , 3, 303-305  | 2.5 | 10 |
| 201 | $4\pi$ Neutron detection with low-intensity radioactive beams. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2007</b> , 581, 783-790                                | 1.2 | 10 |
| 200 | $8\text{Li} + \text{H}$ decay of $12\text{B}$ and its possible astrophysical implications. <i>Europhysics Letters</i> , <b>2003</b> , 63, 524-530   | 1.6 | 10 |
| 199 | $4\text{He}1\text{H}2+$ and $4\text{He}2\text{H}+$ , exotic impurities in $6\text{He}+$ beam. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2000</b> , 447, 544-547 | 1.2 | 10 |
| 198 | A new study of $10\text{B}(\text{p}, (\alpha))7\text{Be}$ reaction at low energies. <i>European Physical Journal A</i> , <b>2016</b> , 52, 1  | 2.5 | 10 |
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| 189 | Indirect measurement of the $(^3\text{He})(n,p)(^3\text{H})$ reaction cross section at Big Bang energies. <i>European Physical Journal A</i> , <b>2020</b> , 56, 1  | 2.5 | 9 |
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| 187 | $^{16}\text{O}-^8\text{Be}$ break-up states and cluster structure of $^{24}\text{Mg}$ . <i>European Physical Journal A</i> , <b>2001</b> , 12, 327-334  | 2.5 | 8 |
| 186 | Study of the quasi-free $^6\text{Li}(^3\text{He}, p)^4\text{He}$ reaction at 2.9 MeV <b>1979</b> , 53, 327-337  |     | 8 |
| 185 | Quasi-free effects in the $^9\text{Be}(p, d)^4\text{He}$ reaction at 30 MeV <b>1982</b> , 69, 1-8   |     | 8 |
| 184 | Search for Quasi-free effects in $^{10}\text{B}(d, ^4\text{He})$ and $^{11}\text{B}(p, ^4\text{He})$ reactions at low energy. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ  Italiana Di Fisica</i> , <b>1977</b> , 20, 193-197               |     | 8 |
| 183 | Astrophysical S-factor for the $^3\text{He}(^7\text{Be}, p)^4\text{He}$ reaction via the asymptotic normalization coefficient (ANC) method. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 807, 135606 | 4.2 | 8 |
| 182 | The $^{10}\text{B}(n, (\alpha)) ^7\text{Li}$ cross sections at ultra-low energy through the Trojan Horse Method applied to the $^2\text{H}(^{10}\text{B}, (\alpha)^7\text{Li})^1\text{H}$ . <i>European Physical Journal A</i> , <b>2019</b> , 55, 1            | 2.5 | 8 |
| 181 | The determination of the astrophysical S-factor of the direct $^{18}\text{O}(p, \gamma)^{19}\text{F}$ capture by the ANC method. <i>European Physical Journal A</i> , <b>2019</b> , 55, 1   | 2.5 | 7 |
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| 172 | The ${}^6\text{Li}({}^3\text{He}, p){}^4\text{He}$ reaction at 13 MeV and the $\alpha$ momentum distribution <b>1982</b> , 71, 429-437  |     | 7 |
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| 167 | The Texas Edinburgh Catania Silicon Array (TECSA): A detector for nuclear astrophysics and nuclear structure studies with rare isotope beams. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2011</b> , 634, 71-76 | 1.2 | 6 |
| 166 | The Trojan horse method in nuclear astrophysics: recent results. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2008</b> , 35, 014008   | 2.9 | 6 |
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| 157 | No signature of nuclear-Coulomb interference in the proton-proton elastic scattering via the Trojan Horse Method. <i>Nuclear Physics A</i> , <b>2007</b> , 787, 337-342   | 1.3 | 5 |
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| 151 | Beam-energy dependence and updated test of the Trojan-horse nucleus invariance via a measurement of the $\text{H}_2(d,p)\text{H}_3$ reaction at low energies. <i>Physical Review C</i> , <b>2017</b> , 95,                     | 2.7 | 4 |
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| 148 | Measurements of the neutron-induced reactions on ${}^7\text{Be}$ with CRIB by the Trojan Horse method <b>2018</b> ,  |     | 4 |
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| 144 | Trojan Horse Method: recent applications in nuclear astrophysics. <i>Nuclear Physics A</i> , <b>2010</b> , 834, 639c-642c.   | 0.3 | 4 |
| 143 | ${}^6\text{He}$ quasi-free scattering off clusters in ${}^6\text{Li}$ ?. <i>Europhysics Letters</i> , <b>2006</b> , 76, 801-807  | 1.6 | 4 |
| 142 | The Trojan-Horse Method applied to the ${}^6\text{Li}(p, n){}^3\text{He}$ reaction down to astrophysical energies. <i>Nuclear Physics A</i> , <b>2004</b> , 734, 639-642   | 1.3 | 4 |
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| 135 | Stardust In Primitive Solar System Materials <b>2010</b> ,   |     | 3 |
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| 131 | The $^{12}\text{C}$ radiative capture process and the Trojan Horse Method. <i>Nuclear Physics A</i> , <b>2001</b> , 688, 543-545   | 1.3 | 3 |
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| 128 | Experimental test of the polar approximation in the quasi-free $^9\text{Be}(^3\text{He}, ^4\text{He})$ reaction at low energy. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Società Italiana Di Fisica</i> , <b>1981</b> , 30, 241-244 |     | 3 |
| 127 | Intermediate structure in $^{15}\text{N}(\text{d}, \text{p})$ reaction at E d <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Società Italiana Di Fisica</i> , <b>1976</b> , 17, 467-471  |     | 3 |
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| 119 | Trojan Horse technique to measure nuclear astrophysics rearrangement reactions. <i>Journal of Physics: Conference Series</i> , <b>2013</b> , 420, 012137   | 0.3 | 2 |

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| 95  | New results on the Trojan Horse Method applied to the $^{10,11}\text{B}+p$ reactions <b>2009</b> ,   |     | 1 |
| 94  | Trojan Horse Method and RIBs: The $^{18}\text{F}(p, n)^{15}\text{O}$ reaction at astrophysical energies <b>2012</b> ,  |     | 1 |
| 93  | First measurement of the $^{18}\text{O}(p, n)^{15}\text{N}$ cross section at astrophysical energies. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 202, 012019                                  | 0.3 | 1 |
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| 83  | Continuous spectra of deuterons from $^3\text{He}+^{12}\text{C}$ at low energy. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ  Italiana Di Fisica</i> , <b>1983</b> , 36, 475-480            |     | 1 |

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